kennametal.com

KENNAMETAL®

MASTER CATALOGUE 2018

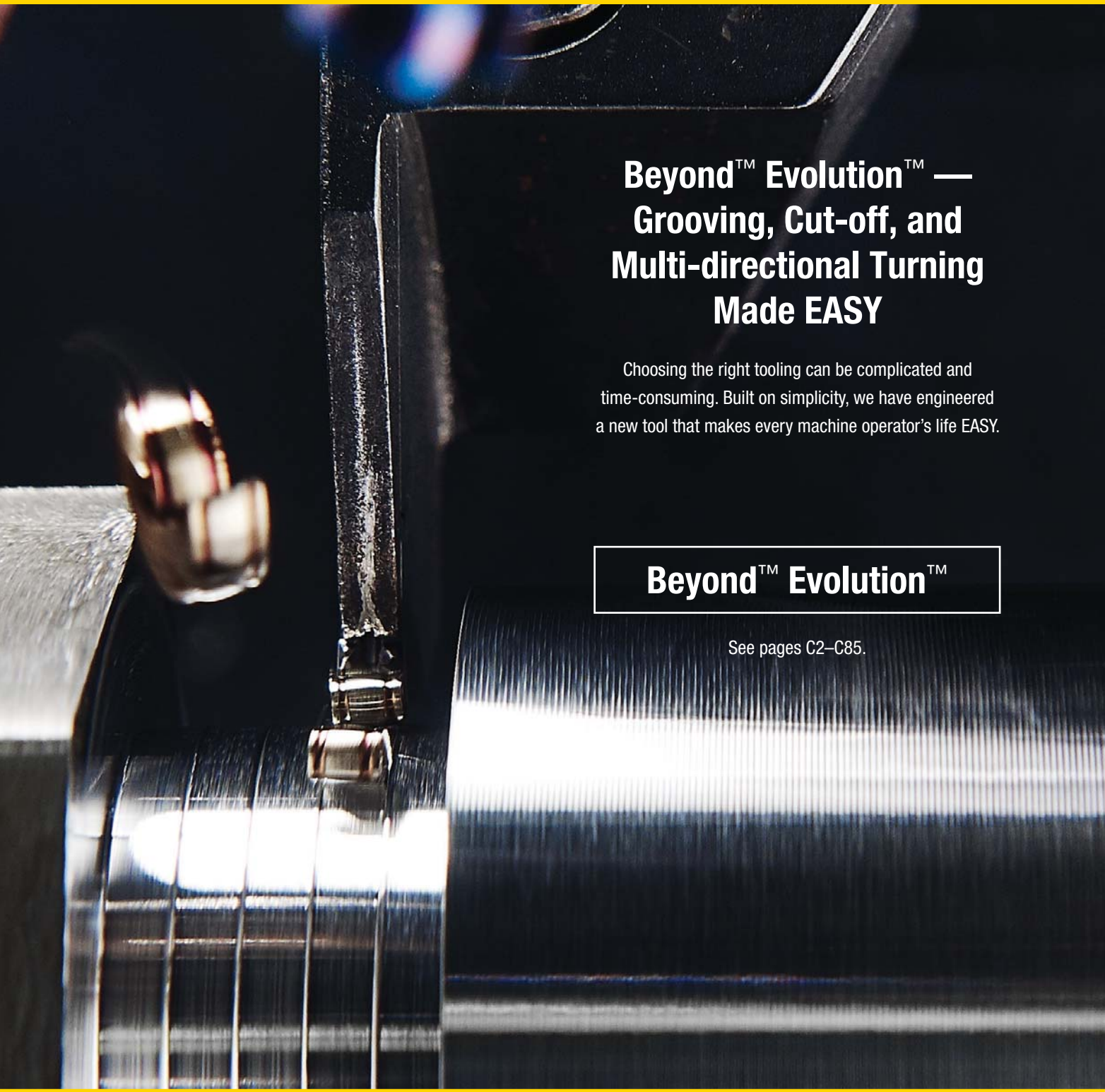
VOLUME ONE | **TURNING** TOOLS





ISO TURNING | GROOVING & CUT-OFF | THREADING | APPLICATION SPECIFIC

KENNAMETAL



Beyond™ Evolution™ — Grooving, Cut-off, and Multi-directional Turning Made EASY

Choosing the right tooling can be complicated and time-consuming. Built on simplicity, we have engineered a new tool that makes every machine operator's life EASY.

Beyond™ Evolution™

See pages C2–C85.

Since its inception in 1938, Kennametal has understood precisely how to improve manufacturing performance and profitability — by introducing unparalleled products and services to reduce operating costs and lead times.

These 900+ pages bring you the latest in turning products and superior services — specifically engineered to enhance overall productivity, even in the most challenging metalworking applications.

Rely on Kennametal to significantly boost manufacturing competitiveness. To learn more, contact your Kennametal Representative or Authorised Kennametal Distributor.

Visit us at **kennametal.com**.

POWERED BY NOVO™

Volume I • Turning Tools

This Catalogue Consists of Two Volumes — Vol. I: Turning Tools / Vol. II: Rotating Tools

Turning Tools

Introduction ..... **ii–xi**

Services and Support ..... **xiv**

Turning **A2–E65**

Turning Introduction A2–A3

ISO Turning B1–B387

Grooving and Cut-Off C1–C179

Threading D1–D110

Application Specific E1–E65

Ordering Information **Y2–Y217**

Index by Order Number Y2–Y93

Index by Catalogue Number Y94–Y182

Global Contacts Y184–Y185

Icon Legend Y186–Y190

Material Overview Y191

Workpiece Material Overview Listing Y192–Y217

Rotating Tools • See Volume II

Holemaking **F1–K212**

Solid Carbide Drills G1–G153

Modular Drills H1–H106

Combination Tools I1–I27

Indexable Drills J1–J101

Hole Finishing K1–K212

Tapping **L1–M132**

Spiral-Point/Left-Hand Spiral-Flute Taps M1–M18

Spiral-Flute Taps M20–M50

Straight-Flute Taps M52–M68

Forming Taps M70–M75

Pipe Taps M76–M79

Solid Carbide Thread Mills M80–M97

Technical Information M98–M132

Solid End Milling **N1–Q43**

Duo-Lock Modular Milling O1–O59

High-Performance Solid Carbide End Mills P1–P197

General Purpose Solid Carbide End Mills Q1–Q43

Indexable Milling **R1–X37**

Face Milling S1–S150

Shoulder Milling T1–T123

Slot Milling U1–U53

Copy Milling V1–V157

Thread Milling W1–W55

Technical Information • Recommended Starting Speeds X1–X37

Turning

PRODUCT HIGHLIGHTS

BEYOND™ EVOLUTION™

See section C for more details.

Kennametal proudly introduces the Beyond™ Evolution™ platform. This innovative platform is built on simplicity and challenges today's approach to grooving and cut-off. Selecting the right tool is easy with the Beyond™ Evolution™ platform because this high-performance system is versatile and flexible. It is the first portfolio in the market to compete in all grooving and cut-off applications, with up to 35% less tooling than current competitors.

The proprietary coolant delivery system directs coolant precisely to the cutting edges underneath the chip, which is the best method for heat removal in grooving and cut-off applications.



beyond™ EVOLUTION™

BEYOND™ DRIVE™

See section B for more details.

Beyond™ Drive™ ISO turning inserts provide up to 50% improved insert edge utilisation. The advanced surface treatment reduces coating stress and improves coating adhesion. The bronze outer layer simplifies wear detection and increases insert utilisation. PVD grades KCU10™ and KCU25™ with Beyond™ technology resist the high temperatures of machining in tough alloys. Achieve up to 30–40% longer tool life for more profitability in general engineering, transportation, aerospace, energy, and earthworks markets. The PVD coating helps to maintain consistent chip control and minimise insert edge wear in turning, grooving, and cut-off operations in a wide range of materials and applications.



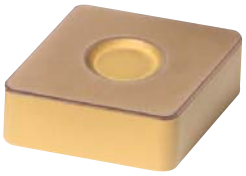
beyond™ DRIVE™



CAST IRON TURNING WITH KBK45™

See section B for more details.

KBK45 is a new high-content PcBN grade designed for high-performance machining of grey cast iron, such as brake discs and fly wheels. It is designed for reducing waste of unused corners, reducing cost-per-part (CPP) by maintaining tool changes between shifts, and enhancing output by using more reliable products. KBK45 grade provides an excellent CPP value.



HARD TURNING WITH KBH20™

See section B for more details.

KBH20 is the ideal PcBN hard turning grade in continuous to lightly interrupted applications with up to medium-severity interruption. The structure and different edge preparations enable tight and repeatable workpiece tolerances, excellent surface finishes, and surface integrity — even at elevated speeds.

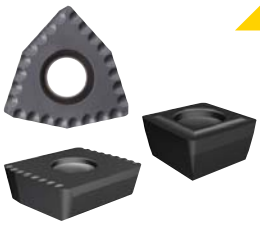
KBH20 grade is a new substrate for applications like case-hardened components, including gears, shafts, and other drive-train components.

The nano-composite coating enhances speed capabilities and tool life. The improved edge preparation promotes longer tool life, reliable performance, and better surface finish.



Holemaking

PRODUCT HIGHLIGHTS



DRILL FIX™ DFSP™

INDEXABLE DRILLS WITH DS AND LP INSERTS

See section J (Volume II) for more details.

DFSP is the renamed expanded Drill Fix DFS™ indexable drilling platform. The standard diameter range is now 14–55mm in L/D ratios 2 x D, 3 x D, 4 x D, and 5 x D. The DFSP platform combines the economical squared outboard insert with the superior centring capabilities of the trigon inboard insert. These indexable drills offer increased metal removal rates and high surface quality and hole straightness.

Use new DS and LP chipbreaker insert designs with Drill Fix DFSP, DFT™, and HTS indexable drills, and KSEM PLUS™ modular drills. These inserts enable excellent chip formation on low-carbon steels and other long-chipping materials.

KENTIP™ FS

THE PERFECT FUSION OF A SOLID CARBIDE AND AN INDEXABLE DRILL

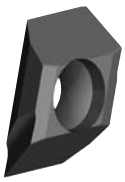
See section H (Volume II) for more details.

The new modular drill KenTIP FS covers more applications and provides better performance than any other modular system, delivering substantial cost savings and process simplifications on your shop floor.

- 3-point geometries, 3 high-performance grades, 3 different shank styles.
- 6–26mm diameter range.
- Up to 12 x D drilling depths.
- Applicable in steel, stainless steel, and cast iron.







COUNTERFIX MICRO

SMALL INSERTS THAT MAKE A BIG DIFFERENCE!

See section H (Volume II) for more details.

New CounterFix Micro (CFM) tangential inserts offer a new way to enhance drilling, chamfering, and counterboring operations. They enable very small incremental steps on tailor-made step drills, longer tool life per edge, and improved surface finish.

CFM inserts can be used on KenTIP, KSEM™, and Drill Fix products, as well as for made-to-order indexable countersinking tools.

CounterFix Micro will be available for KenTIP FS tailor-made drills in 2018 upon request.

NEW SGL DRILLS WITH THROUGH COOLANT FOR STAINLESS STEEL

See section G (Volume II) for more details.

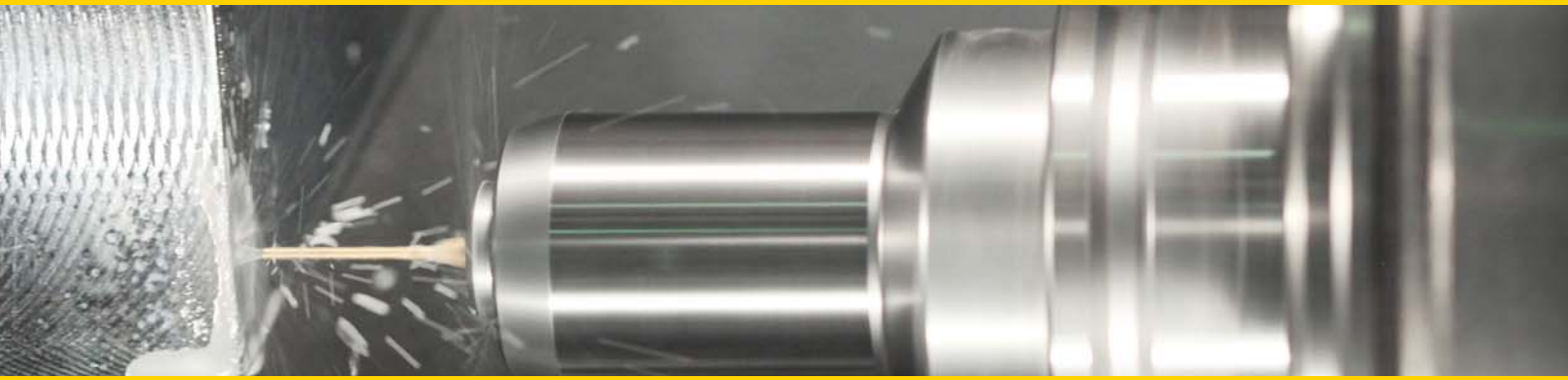
The all-new B21_SGL series solid carbide drills are designed specifically for stainless steel applications, offering high performance and long tool life in high-temperature alloys and regular steel, also.

By combining unique Kennametal features, such as the all-new SGL-point-geometry with patented gashing, a unique flute design, and a best-in-class coating into one tool, the B21*SGL drill is the ultimate high-volume production tool.

The all-new B27_SGL series is designed specifically for deep-hole drilling up to 40 x D applications in stainless steel and high-temperature alloys.









NEW KMH DRILLS FOR HARD MATERIALS

See section G (Volume II) for more details.

The all-new KMH solid carbide drills are engineered for hard material applications up to 65 HRC. The B94_drill series without through coolant is specifically designed to machine hardened and surface-hardened materials using flood coolant. With its 145° point angle, it is also perfectly suited as a pilot drill for the B95_drill series with through coolant and 140° point for deeper applications.

Both series come with an increased core to strengthen the drill, feature a curved cutting edge with corner chamfer to avoid chipping on the margin lands and increased tool life in these challenging materials.



RMR™ AND RHR™ DISC-STYLE REAMERS

See section K (Volume II) for more details.

Performance, quality, and regrindability, like solid carbide reamers for diameters 14–42,5mm.

Common reamers have single tips brazed onto a steel body. The new Kennametal RMR and RHR reamers have a solid carbide disc brazed onto the steel body. This enables more regrinds than a regular tipped reamer, reducing the cost-per-hole significantly. The new KCU05 coating holds the surface finish more than twice as long as conventional reamer coatings, depending on the workpiece material.



GOTAP™

MULTIPURPOSE HSS-E TAPS

See section M (Volume II) for more details.

GOtap is our multipurpose line of taps that include optimised geometries and PVD coatings capable of tapping a wide range of ductile materials, such as stainless steels, carbon and alloy steels, cast aluminium, and ductile iron. GOtap taps versatility extends beyond the part, as it can be used in a wide range of machine tools and application conditions. The new GOtap TC multipurpose taps enable blind-hole tapping with tension/compression holders without sizing problems due to over-feeding. The versatility of GOtap taps mean lower inventory costs with no loss of productivity, consistent tool life, and high-quality thread finish.

Solid End Milling

PRODUCT HIGHLIGHTS

DUO-λOCK®

See section O (Volume II) for more details.

Duo-Lock™ is a revolutionary new coupling for solid carbide end milling applications. This replaceable-head design combines high accuracy in runout and length repeatability with maximum stability, making it a precise and virtually unbreakable interface for challenging milling applications.

- **Up to 1 x D full slotting increases metal removal rates for significantly higher productivity.**
- **1,5 x D standard cutting edge length enables fewer passes.**
- **Cutting data and tool life comparable to high-performance solid carbide tools.**



DUO-λOCK®
by HAIMER® and Kennametal



HARVI™ III FAMILY

See section P (Volume II) for more details.

HARVI III end mills are the first choice for high-temperature alloy machining, profiling, semi-finishing, and finishing. Beyond grade KCSM15™ delivers maximum metal removal rates and exceptional tool life in titanium and stainless steel, as well as excellent surface finishes.

- **Taper ball nose for complex 5-axis machining.**
- **Ball nose for 3D profiling.**
- **Square end for semi-finishing/finishing operations.**

beyond™



BEYOND™ EADE SOLID CERAMIC END MILLS

See section P (Volume II) for more details.

Beyond™ EADE solid ceramic end mills offer higher productivity in roughing nickel-based high-temperature alloys. With reduced machining time, EADE ceramic end mills also achieve significantly longer tool life compared to carbide tooling.

— Beyond grade KYS40™ enables cutting speeds up to 1000 m/min.



beyond



GOMILL™ GP PLATFORM

See section Q (Volume II) for more details.

GOmill GP tools enable plunging, slotting, and profiling, plus longer tool life, on a wide range of workpiece materials. They are designed to provide higher metal removal rates (MRR) and good surface finishes at an excellent cost-benefit ratio.

— Roughing and finishing with one tool.

— Excellent cost-benefit ratio.

— Multilayer KC633M™ grades for longer tool life.

Indexable Milling

PRODUCT HIGHLIGHTS

MILL 4-11™ AND MILL 4-15™

See section T (Volume II) for more details.

The Mill 4-11™ and Mill 4-15™ series tools are specially engineered to achieve excellent surface quality and higher metal removal rates in shoulder milling applications. The unique design enables multiple passes (stepping down) with outstanding results.

Use Mill 4-11 in roughing to finishing applications in steel, cast iron, stainless steel, non-ferrous materials, and high-temp alloys. Use Mill 4-15 for roughing to finishing in steel, cast iron, stainless steel, and titanium.





MILL 16™

See section S (Volume II) for more details.

The new Mill 16™ series is a tailor-made platform for rough milling of components like engine heads and blocks, housings and gear boxes in cast iron materials (CGI, DCI, GCI), and all other cast iron face milling jobs.



KCSM40™

NEW MILLING GRADE FOR TITANIUM MACHINING

Breakthrough indexable milling grade for roughing and semi-finishing operations in titanium and stainless steels — S40, M30 application range.

Available in these indexable milling platforms: Mill 1-10™, Mill 1-14™, Mill 1-18™, Mill 4-11™, Mill 4-15™, Dodeka™ Mini, Dodeka, Dodeka MAX™, MEGA™, KSOM™ Mini, KSOM™, KSRM™, NGE™, KSSM™ 90, KSSM8+™, Rodeka™, Stellram® 5230, Stellram 7713, and Stellram 7792.





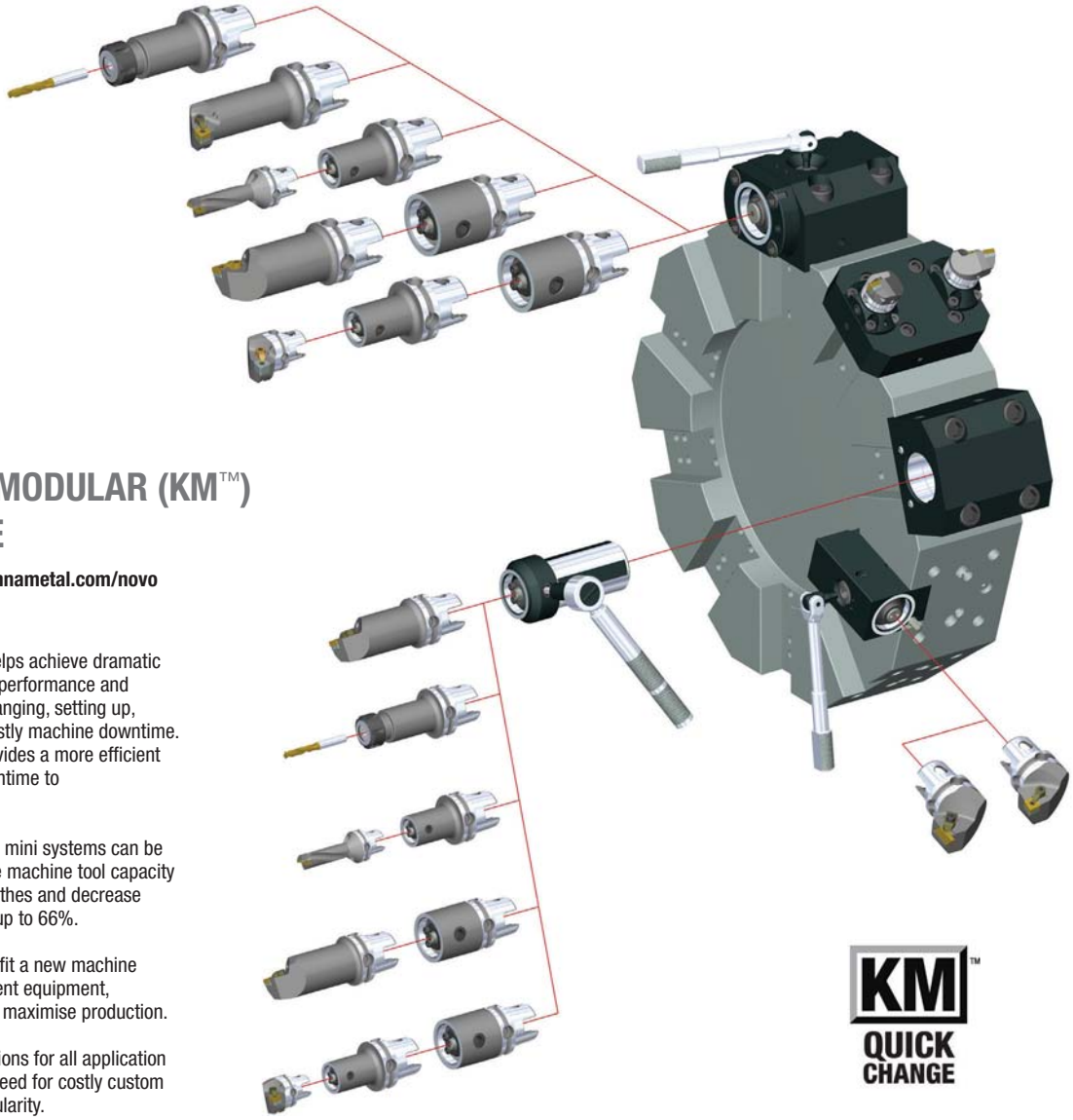
STELLRAM® 7792VX HIGH-FEED SERIES

See section V (Volume II) for more details.

The 7792VX cutter series is designed for high-feed milling applications with superior surface generation. The 7792VX cutters are designed for a wide range of applications, including facing, pocketing, ramping, helical interpolation, and plunging. They are capable of machining all materials, including steel, stainless steel, cast iron, and high-temperature and aluminium alloys.

Tooling Systems

PRODUCT HIGHLIGHTS



KENNAMETAL MODULAR (KM™) QUICK CHANGE

Visit **kennametal.com** or **kennametal.com/novo** for more details.

KM™ quick-change tooling helps achieve dramatic improvements in cutting tool performance and machine output. Frequent changing, setting up, and gaging of tools create costly machine downtime. KM quick-change tooling provides a more efficient process that can reduce downtime to increase productivity.

In addition, KM micro and KM mini systems can be used to considerably increase machine tool capacity on automatic and universal lathes and decrease indexing and setup times by up to 66%.

Whether you're looking to outfit a new machine or improve the output of current equipment, KM quick-change tooling can maximise production.

The KM portfolio includes options for all application requirements and limits the need for costly custom solutions due to system modularity.

KM™ QUICK CHANGE



KM4X™

Visit **kennametal.com** or **kennametal.com/novo** for more details.

The KM4X spindle interface is designed for heavy-duty machining applications. It's especially suited for machining large structural components. These rotating and static tool adaptors handle 3x more bending capacity than similar competitive models.

- Rigid configuration through higher clamping force.
- Design enables front-loaded spindle configurations.
- High spindle speed capability.
- Designed for use in most applications.
- Use in a wide range of high and low speeds and torques.
- Can upgrade to the KM4X system on spindles which use HSK format.
- Maintain taper contact in higher speeds.





DRIVEN TOOLING AND STATIC TOOL BLOCKS

Visit **kennametal.com** or **kennametal.com/novo** for more details.

Turn your CNC lathe into a multi-task solution provider with turret-adapted driven clamping units for rotating applications and static tool blocks for maximum quick change flexibility. Whether it's for milling, drilling, tapping, boring, or non-rotating applications, you can maximise machine utilisation by employing Kennametal tooling and solutions. Available in multiple KM™ format sizes to allow for versatility and productivity.

- 0 and 90° options available as standard.
- Up to 12,000 RPM speeds for high metal removal rates.
- 1:1 and 1:2 gear ratios available for added speed or torque.
- Standard configurations for multiple manufactures and customisable to fit most turrets.
- Quick change solutions for static and rotating applications to maximise machine effectiveness.

TUNABLE BORING

Visit **kennametal.com** or **kennametal.com/novo** for more details.

Kennametal tunable boring bars can increase productivity and solve chatter and other issues in long-boring operations.

Several key improvements to our current tunable boring bar portfolio include:

- Enhanced tuning process at the manufacturing plant ensures accurate tuning at the maximum overhang.
- Nitriding of steel tunable boring bars eliminates the effects of chip wash.
- Elimination of flats on tunable boring bars enhances stability and proper toolholding.
- Addition of a small flat on the connection collar enables the use of a centre-height tool.
- Enhanced assembly process.



Kennametal on the Web

kennametal.com

FIND THE LATEST PRODUCT INFORMATION

Whether your operation is turning, milling, or holemaking, Kennametal brands are the high-performance tooling you need. We offer standard and custom solutions for a wide range of applications.

Find information about our most current campaigns and catalogues.

Register on Konnect for the full functionality of the Kennametal online ordering website.



CONTACT US

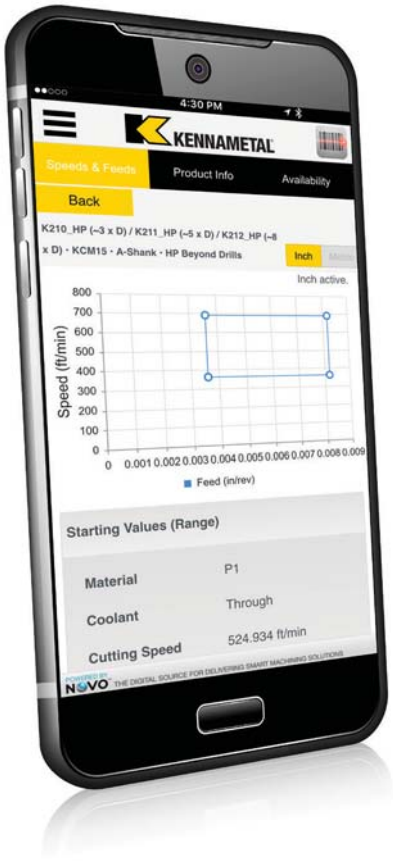
Our customers are important to us. We want to provide you the best customer service in the industry. If you have a comment or question, please send it to us. We strive to respond to all inquiries within 24 hours.

FIND A LOCAL AUTHORISED DISTRIBUTOR IN YOUR AREA

Kennametal offers world-class products and services globally. Our distributors know us, and more importantly, they know you. They know better than anyone in the industry how to put the global power of Kennametal to work for you — in your industry, in your region, and for your business.

Mobile App

The Kennametal mobile app makes it easy to access product information, calculators, and much more from iPhone® and Android™ devices.



FEATURES

Scan a Kennametal tool package barcode or search a product catalogue number to access complete product information.

Product information includes tool image, dimensions, grades, and product highlights.

View product availability at global locations.

Get speed and feed information in inch and metric values for all metalcutting products.

View tech tips for helpful solutions to common machining questions.

Contact Customer Support directly from the app.

MACHINING CALCULATORS

View data for milling and drilling applications.

Inch and metric values calculated.

ORDERING

Login using your Konnect credentials to complete a purchase.

WHERE TO FIND IT

Download the free app today from iTunes® or the Google Play™ store.

ANDROID APP ON Google play

Available on the App Store

Service and Support

Customer Application Support (CAS)

Get Fast and Reliable Answers to Your Toughest Metalcutting Problems

Our Customer Application Support (CAS) Team is the metalworking industry's leading help desk resource for tooling application solutions and problem resolution.

Easy Access to Proven Metalworking Expertise!

Kennametal Customer Application Engineers assist customers and engineering groups throughout the world with expert tool selection and application recommendations for the entire range of Kennametal tooling.

SERVICE LEVEL EXCELLENCE	Fast telephone response. Quick technical solutions. Efficient case management.
SERVICES	Operating parameters. Process optimisation. Hardware support. Tooling selection. Troubleshooting.
BEST-IN-CLASS SUPPORT TOOLS AND TECHNOLOGY	Materials database. Application calculators. Tooling performance experts.



Originating Country	Language	Phone	E-mail
Australia	English	1800 666 667	ap-kmt.techsupport@kennametal.com
Austria	German	0800 202873	eu.techsupport@kennametal.com
Belgium	English/French	0800 80850	eu.techsupport@kennametal.com
China	Chinese	400 889 2238	k-cn.techsupport@kennametal.com
Denmark	English	808 89298	na.techsupport@kennametal.com
Finland	English	0800 919412	na.techsupport@kennametal.com
France	French	080 5540 367	eu.techsupport@kennametal.com
Germany	German	0800 0006651	eu.techsupport@kennametal.com
India	English	1 800 103 5227	in.techsupport@kennametal.com
Israel	English	1809 449889	na.techsupport@kennametal.com
Italy	Italian	800 916561	eu.techsupport@kennametal.com
Japan	English	03 3820 2855	ap-kmt.techsupport@kennametal.com
Korea (South)	English	+82 2 2100 6100	ap-kmt.techsupport@kennametal.com
Malaysia	English	1800 812 990	ap-kmt.techsupport@kennametal.com
Mexico	Spanish	1800 253 0758	na.techsupport@kennametal.com
Netherlands	English	0800 0201 130	eu.techsupport@kennametal.com
New Zealand	English	0800 450 941	ap-kmt.techsupport@kennametal.com
Norway	English	800 10080	na.techsupport@kennametal.com
Poland	Polish	0080 04411887	eu.techsupport@kennametal.com
Russia (landline)	Russian	8800 5556394	eu.techsupport@kennametal.com
Russia (cell phone)	Russian	+7 8005556394	eu.techsupport@kennametal.com
Singapore	English	1800 6221031	ap-kmt.techsupport@kennametal.com
South Africa	English	0800 981643	na.techsupport@kennametal.com
Sweden	English	020799246	na.techsupport@kennametal.com
Taiwan	English	0800 666 197	ap-kmt.techsupport@kennametal.com
Thailand	English	1800 4417820	ap-kmt.techsupport@kennametal.com
UK	English	0800 032 8339	na.techsupport@kennametal.com
Ukraine	Russian	0800502664	eu.techsupport@kennametal.com
USA	English	800 835 3668	na.techsupport@kennametal.com

Numbers shown only serve the originating country listed.

NOVO KNOWS SEARCH

Searching for a tool has been enhanced by Advise and Select functions from NOVO™ applications — saving you time and money.

ADVISE

Uses a rules-based approach to provide cutting tool recommendations:

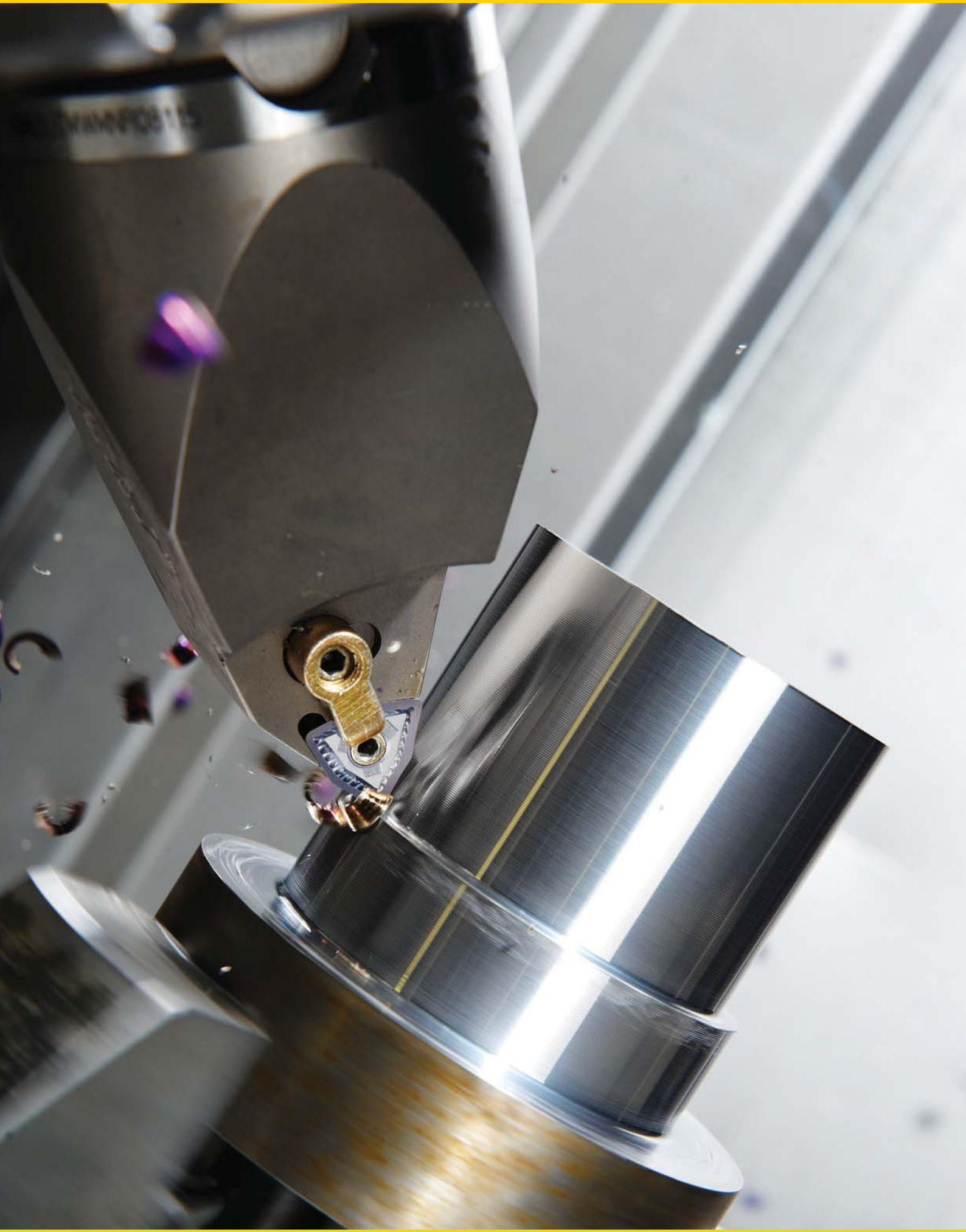
- Define Machining Feature (face milling, slotting, blind hole, etc.)
- Apply Constraint Requirements (geometric, material, tolerance, etc.)
- Set Machining Sequence (single or multi-step operations, rough then finish, etc.)
- Receive Ranked Results

SELECT

A method of selecting cutting tools from a tree structure via a hierarchy or parametric search:

- If you know which product you are looking for, a quick search can be performed by just the catalogue number or product description.
- Smart filters significantly reduce the amount of potential tooling solutions.
- After the tool is selected, NOVO also provides cutting and adaptive item options that fit with your solution.

NOVO applications can ensure you have the right tools on your machines, in the right sequence. Resulting in flawless execution that accelerates every job, and maximises every shift. **kennametal.com/novo**



Turning

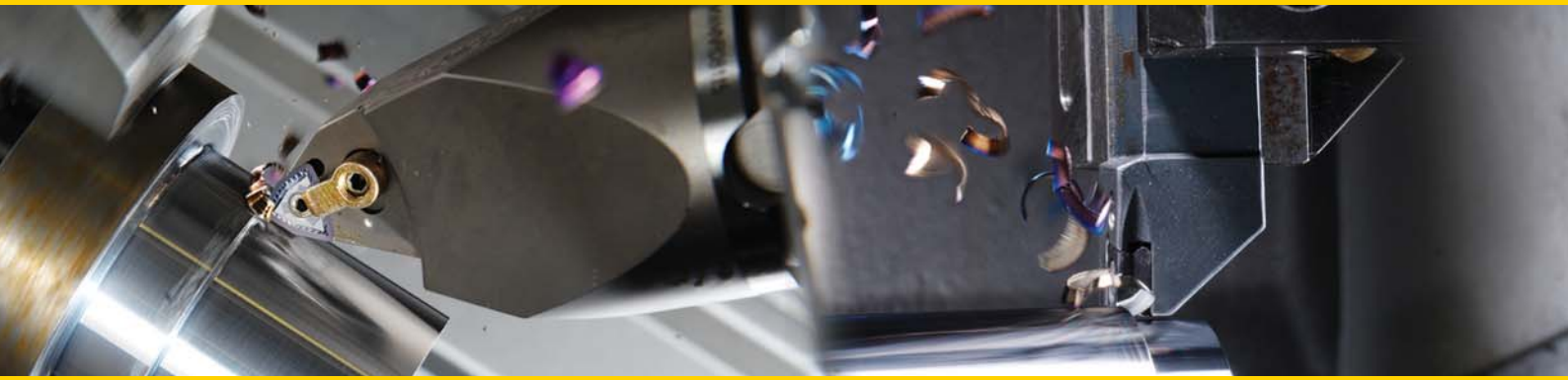
Turning Introduction.....A2–A3

ISO Turning B1–B387

Grooving and Cut-Off.....C1–C179

Threading..... D1–D110

Application Specific..... E1–E65



Turning Products

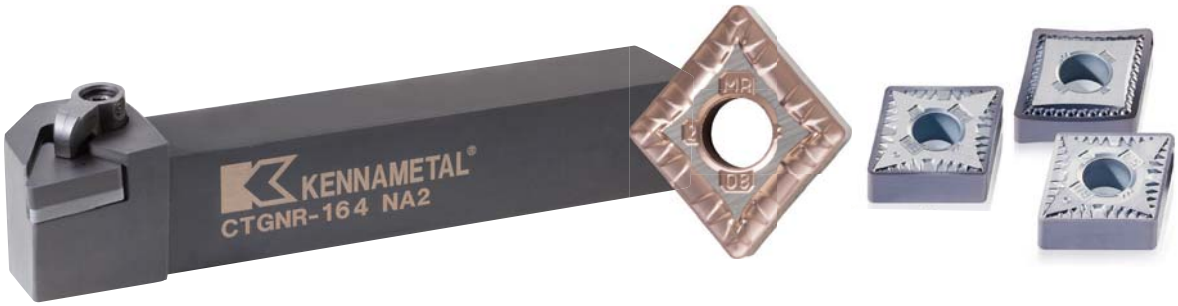
Our latest Metalcutting Innovations are designed to deliver higher productivity, longer tool life, and increased application versatility.

For more information about the latest products and services from Kennametal, please contact your Kennametal Representative or Authorised Kennametal Distributor, or visit **kennametal.com**.

ISO TURNING

See Section B for more details.

- Negative-style inserts.
- Toolholders, boring bars, cartridges, and bolt-on heads for negative-style inserts.
- Positive-style inserts.
- Toolholders, boring bars, cartridges, and bolt-on heads for positive-style inserts.
- Advanced material inserts for machining:
  - — Cast iron
  - — Hardened steels
  - — High-temperature alloys
- PCD inserts.
- Toolholders, boring bars, cartridges, and bolt-on heads for use with advanced material inserts.
- Tunable bars.



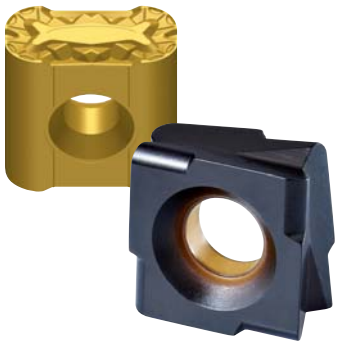


THREADING, GROOVING, AND CUT-OFF

See Sections C and D for more details.

- Beyond™ Evolution™ Grooving, Cut-Off, and Side Turning
- A4™ Grooving and Side Turning
- Top Notch™ Grooving
- Top Notch Threading
- Laydown Threading





APPLICATION SPECIFIC

See Section E for more details.

- Fix-Perfect™ Turning
- Top Notch Profiling
- Tools for Railroad and Wheel Machining
- K-Lock™





ISO Turning

Kennametal Insert Selection System **B2–B21**

Kennametal Grades and Grade Descriptions/Application Areas **B22–B29**

Chip Control Geometries, Feed Rates, Depth of Cut, and Application Areas **B30–B35**

Toolholder, Boring Bar, and Cartridge Overview; ISO Codes **B36–B45**

Kenloc Negative Style Inserts, Toolholders, Boring Bars, Cartridges, and Bolt-On Heads **B46–B165**

Kendex Positive Style Inserts, Toolholders, Boring Bars, Cartridges, and Bolt-On Heads **B166–B174**

Screw-On Positive Style Inserts, Toolholders, Boring Bars, Cartridges, and Bolt-On Heads **B175–B273**

Advanced Material Inserts, Toolholders, Boring Bars, Cartridges, and Bolt-On Heads **B274–B378**

- Advanced Materials for Cast Iron Machining B278–B300
- Advanced Materials for Hard Turning B302–B324
- Advanced Materials for High-Temperature Machining B326–B337
- PCD Inserts B338–B352
- Toolholders, Boring Bars, Cartridges, and Bolt-On Heads B353–B378

Tunable Bars **B380–B387**

Mobile Apps

The Kennametal mobile app provides easy access to product information and calculators on both iPhone® and Android™ devices. We've highlighted a few of the key features...

There's an app for that.

SPEEDS & FEEDS

View speeds and feeds information for metalworking products.

PRODUCT AVAILABILITY

Check global availability of products. View available quantities by providing your Konnect login credentials.

CALCULATORS

Utilise our machining calculators for milling and drilling applications.



By just scanning the bar code on the insert packet, you can find the most productive cutting conditions for tool life, process time, and chip control.

NOTE: The app is currently only available in the English-language version. We have plans to translate the app in different languages with future releases.

Google play | Available on the App Store

ISO Turning Inserts, Toolholders, and Boring Bars

Modern CNC machines and flexible production facilities require tools with application versatility. Kennametal high-performance inserts, toolholders, and boring bars are designed to handle any turning application. Whether you're cutting steel or titanium, or doing light finishing or heavy roughing, we have the tooling solution to meet your needs.

Features and Benefits

Beyond™ Drive™ Inserts

- Designed for increased productivity.
- Post-coat treatment reduces stress, improves coating adhesion.
- Excellent toughness and wear resistance.
- Better insert wear detection.

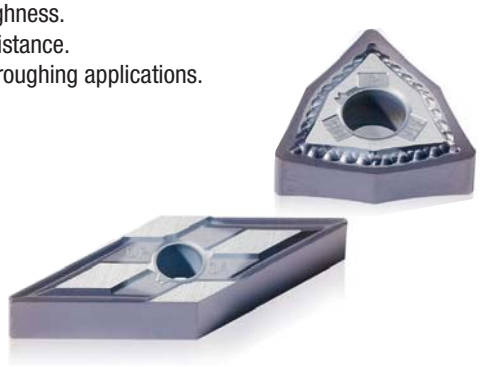
Beyond™ PVD Grades

KCU10™ Grade

- Superior wear resistance and faster cutting speeds at higher temperatures.
- Ideal for stainless steels and high-temp alloys.
- Improved depth-of-cut notch resistance.
- Use in finishing to medium applications.

KCU25™ Grade

- Superior edge toughness.
- Excellent wear resistance.
- Use in medium to roughing applications.



Kennametal Turning Solutions by Material

P	Steel	Carbide or Cermet Inserts
M	Stainless Steel	Carbide Inserts
K	Cast Iron	Carbide, Ceramic, or PcBN Inserts
N	Non-Ferrous	Carbide or PCD Inserts
S	High-Temp Alloys	Carbide, Ceramic, PcBN, or PCD Inserts
H	Hardened Materials	Ceramic or PcBN Inserts

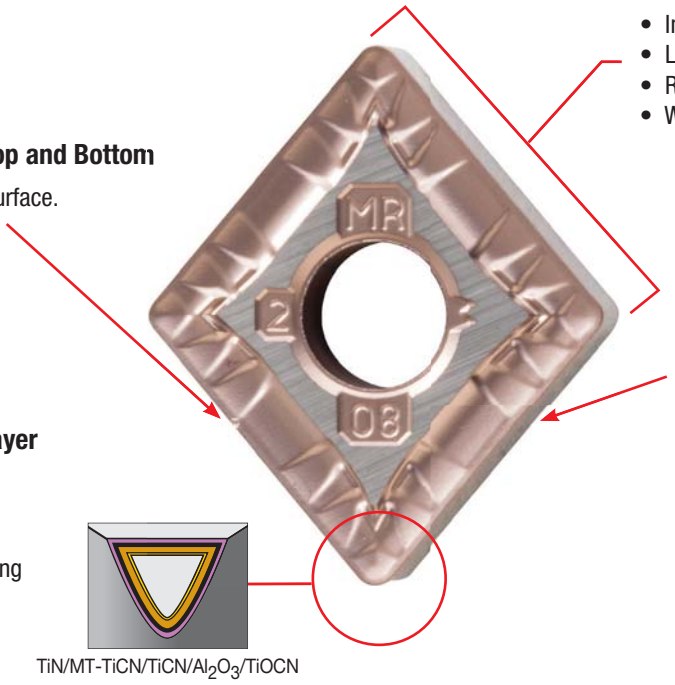
Beyond™ Drive™ Inserts • Technology Details

Post-Coat Treatment

- Improves edge toughness.
- Long predictable tool life.
- Reduces depth-of-cut notching.
- Wide range of applications.

Post-Coat Grinding — Top and Bottom

- Provides secure seating surface.



Micro-Polished Edges

- Improves edge toughness.
- Provides smooth outer surface to reduce forces, friction, and workpiece sticking.

Fine-Grained Alumina Layer

- Provides coating integrity at elevated speeds.
- Higher productivity and dependability at high-cutting temperatures.

TiN/MT-TiCN/TiCN/Al_2O_3/TiOCN

Toolholders, Boring Bars, and Cartridges



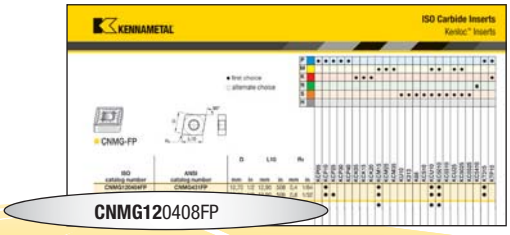






How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



C — Insert Shape

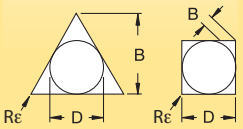
H	Hexagon	120°
O	Octagon	135°
P	Pentagon	108°
R	Round	—
S	Square	90°
T	Triangular	60°
C	Rhomboid	80°
D		55°
E		75°
M		86°
V		35°
W	Trigon	80° with enlarged corner angles
L	Rectangular	90°
A	Parallelogram	85°
B		82°
N/K		55°

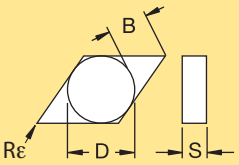
N — Insert Clearance Angle

A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°
O	Indicated for other clearance angles requiring descriptions.

M — Tolerance Class

Tolerances apply prior to edge prep and coating





D = Theoretical diameter of the insert inscribed circle
S = Thickness
B = See figures below

G — Insert Features

N	
R	
F	
A	
M	
G	
W	
T	
Q	
U	
B	
H	
C	
J	
X	Special Design

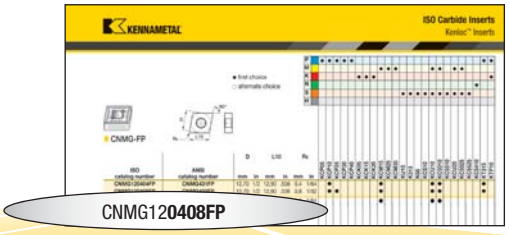
12 — Size

Code for inch cutting edge length "L10"

"D" mm	C	D	R	S	T	V	W
3,97	S4	04	03	03	06	—	—
4,76	04	05	04	04	08	08	S3
5,56	05	06	05	05	09	09	03
6,00	—	—	06	—	—	—	—
6,35	06	07	06	06	11	11	04
7,94	08	09	07	07	13	13	05
8,00	—	—	08	—	—	—	—
9,52	09	11	09	09	16	16	06
10,00	—	—	10	—	—	—	—
11,11	11	13	11	11	19	19	07
12,00	—	—	12	—	—	—	—
12,70	12	15	12	12	22	22	08
14,29	14	17	14	14	24	24	09
15,88	16	19	15	15	27	27	10
16,00	—	—	16	—	—	—	—
17,46	17	21	17	17	30	30	11
19,05	19	23	19	19	33	33	13
20,00	—	—	20	—	—	—	—
22,22	22	27	22	22	38	38	15
25,00	—	—	25	—	—	—	—
25,40	25	31	25	25	44	44	17
31,75	32	38	31	31	54	54	21
32,00	—	—	32	—	—	—	—

tolerance class	tolerance on "D"	tolerance on "B"	tolerance on "S"
C	±0,025	±0,013	±0,025
H	±0,013	±0,013	±0,025
E	±0,025	±0,025	±0,025
G	±0,025	±0,025	±0,013
M	See tables on next page		±0,013
U	See tables on next page		±0,013

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



04	08			FP
Thickness S	Corner Radius "Rε"	Hand of Insert *(optional)*	Cutting Edge *(optional)*	Chipbreaker *(optional)*

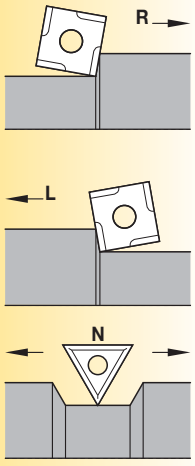
symbol	thickness
mm	mm
—	0,79
T0	1,00
01	1,59
T1	1,98
02	2,38
03	3,18
T3	3,97
04	4,76
05	5,56
06	6,35
07	7,94
9	9,52
11	11,11
12	12,70

symbol	corner radius
mm	mm
X0	0,04
01	0,1
02	0,2
04	0,4
08	0,8
12	1,2
16	1,6
20	2,0
24	2,4
28	2,8
32	3,2
00	round insert
M0	round insert
—	round insert

R = Right hand

L = Left hand

N = Neutral



F	Sharp
E	Rounded
T	Chamfered
S	Chamfered and Rounded
K	Double-Chamfered
P	Double-Chamfered and Rounded

F	=	Sharp
FF	=	Fine Finishing
FN	=	Finishing Negative
MN	=	Medium Negative
MR	=	Medium Roughing
RN	=	Roughing Negative
UN	=	Universal Medium
FP	=	Finishing Positive
MP	=	Medium Positive
RP	=	Roughing Positive
RM	=	Roughing Medium
RH	=	Roughing Heavy
FW	=	Finishing Wiper
MW	=	Medium Wiper
FS	=	Finishing Sharp
MS	=	Medium Sharp
RW	=	Roughing Wiper
HP	=	High Positive
UP	=	Universal Positive
K	=	Light-Feed Chip Control
UF	=	Ultra-Fine Finishing
LF	=	Light Finishing
MF	=	Medium Finishing
E	=	Hone Only
T	=	Negative Land
S	=	Negative Land Plus Hone
MP-K	=	Medium Positive
MG-P	=	Medium Positive

	± Tolerance on "D"				± Tolerance on "B"			
	Class M Tolerance			Class U Tolerance	Class M Tolerance			Class U Tolerance
"D"	Shapes S, T, C, R, & W	Shape D	Shape V	Shapes S, T, & C	Shapes S, T, C, R, & W	Shape D	Shape V	Shapes S, T, & C
mm	mm	mm	mm	mm	mm	mm	mm	mm
3,97	0,05	–	–	–	0,08	–	–	–
4,76	0,05	–	–	0,08	0,08	–	–	0,13
5,56	0,05	0,05	0,05	0,08	0,08	0,11	–	0,13
6,35	0,05	0,05	0,05	0,08	0,08	0,11	–	0,13
7,94	0,05	0,05	0,05	0,08	0,08	0,11	–	0,13
9,52	0,05	0,05	0,05	0,08	0,08	0,11	0,18	0,13
11,11	0,08	0,08	0,08	0,13	0,13	0,15	–	–
12,70	0,08	0,08	0,08	0,13	0,13	0,15	0,25	0,20
14,29	0,08	0,08	0,08	0,13	0,13	0,15	–	–
15,88	0,10	0,10	0,10	0,18	0,15	0,18	–	0,27
17,46	0,10	0,10	0,10	0,18	0,15	0,18	–	0,27
19,05	0,10	0,10	0,10	0,18	0,15	0,18	–	0,27
22,22	0,13	–	–	0,25	0,15	–	–	0,38
25,40	0,13	–	–	0,25	0,18	–	–	0,38
31,75	0,15	–	–	0,25	0,20	–	–	0,38

A system of grades, geometries, and application guidelines to provide optimal solutions for your metalcutting needs. It's easy to determine which Kennametal chip-control cutting tool will work best in your specific workpiece materials and applications!

Grade • Beyond™ • Beyond™ Drive™

K	C	P	M	25	B
Brand	Insert Material	Primary Workpiece Material *(ISO 513)*	Secondary Workpiece Material *(optional)*	Application Range	Future Upgrades *(optional)*

K = Kennametal

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials
U	Universal Machining

Blank	=	Carbide, uncoated
C	=	Carbide, coated
T	=	Cermet
Y	=	Ceramic
D	=	PCD
B	=	PcBN

Hardest

5	fine finishing
10	finishing
15 **20**	medium to roughing
25 **30** **35**	roughing
40 **45** **50**	heaviest roughing

Toughest

B	=	Beyond™ Drive™
C	=	Generation 3

etc.

NOTE: Application range does not apply to PcBN grades.

Positive Inserts



Screw-On Inserts

- Screw-On inserts are your first choice for I.D. turning of all materials and O.D. turning on small to medium lathes.
- Available in flat-top and chip-control geometries with both moulded and ground peripheries. Suitable for all workpiece materials.

See pages:
Carbide: B175–B273
Advanced Materials: B284–B351



Kendex™ and V-Bottom Inserts

- Kendex positive and V-bottom inserts are your first choice for productive machining of high-temperature alloys on medium to large lathes.
- Available in flat-top geometries with ground periphery.

See pages:
Carbide: B166–B168
Advanced Materials: B284–B351



Top Notch™ Profiling Inserts

- First choice for high-production profiling.
- Unique insert clamping design offers superior rigidity.
- Available in chip-control geometries with both moulded and ground peripheries. Suitable for all workpiece materials.

See pages E20–E43 for product listing.



K-Lock™ Inserts

- K-Lock inserts are ideal for deep grooving and profiling.
- A unique insert clamping system allows for unimpeded chip flow.
- Available in moulded and ground peripheries.

See page E62–E65 for product listing.

Negative Inserts



Kenloc™ Inserts

- Kenloc inserts are your first choice for general machining of all materials on medium to large lathes.
- Kenloc inserts offer the best economy for high metal removal rates.
- Available in flat-top and chip-control geometries with both moulded and ground peripheries. Suitable for all workpiece materials.

See pages:
Carbide: B46–B165
Advanced Materials: B284–B351



Kendex Inserts

- Ceramic Kendex inserts are a great choice for productive machining of high-temp alloys.
- Kendex negative rake inserts are also recommended for the machining of hardened materials and cast irons.
- Available in flat-top geometries with moulded and ground peripheries.
- Wide selection of standard toolholders are offered.

See pages B284–B351 for product listing.



Top Notch Turning Inserts

- Ceramic Top Notch turning inserts are your first choice for high-speed roughing and finishing of cast iron parts.
- Available in flat-top geometries with moulded and ground peripheries.

See pages B284–B351 for product listing.



Fix-Perfect™ Inserts

- Tangential design and rigid clamping system.

See pages E2–E18 for product listing.



Railroad Inserts

- Designed for the machining of railway wheels and axles.

See pages E44–E61 for product listing.

Insert Selection System

How to Use

The Kennametal three-step insert selection system makes choosing and applying the most productive tool as easy as 1, 2, 3. Tool recommendations are based on six workpiece material groups, optimising selection accuracy.

Example:
Six workpiece material groups

Step 1 • Select the insert geometry

Given: depths of cut = 1mm
feed = 0,4mm
Unknown: insert geometry
Solution: -MN

Step 2 • Select the grade

Given: cutting conditions:
lightly interrupted cut



Geometry: -MN
Unknown: grade
Solution: KCP25B

Step 3 • Select the cutting speed

Given: grade KCP25B
cutting conditions



material CK15
Unknown: cutting speed
Solution: 280 m/min

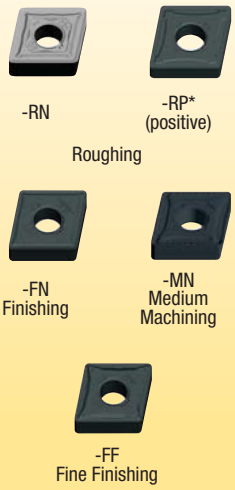
Need help in selecting a product?
Additional information can be obtained by contacting
The Kennametal Customer Application Support Team.
Go to kennametal.com for your country's phone number.

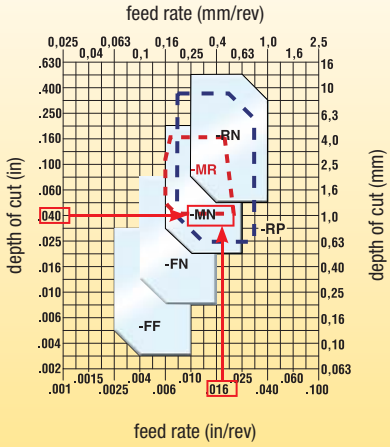
Step 1 • Select the insert geometry

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

beyond™ beyond™ DRIVE™

Negative Inserts





*-RP – Supplemental geometry for high-strength materials

Step 2 • Select the grade

cutting condition	-FF	-FN	-MN	-RN	-RP	-11	-UF	-LF	-FP	-MF	-MP
heavily interrupted cut	KCP10B/ KCP10	KCP25B/ KCP25	KCP30B/ KCP30	KCP30B/ KCP30/ KCP40B/ KCP40	KCP30B/ KCP30/ KCP40B/ KCP40	–	KCU10/ KCP25B/ KCP25	KCP25B/ KCP25	KCU25/ KCP25B/ KCP25	KCP40B/ KCP40B	KCP40B/ KCP40B
lightly interrupted cut	KCP10B/ KCP10	KCP25B/ KCP25	KCP25B/ KCP25	KCP30B/ KCP30/ KCP40B/ KCP40	KCP30B/ KCP30/ KCP40B/ KCP40	–	KCU10/ KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25
varying depth of cut, casting, or forging skin	KCP05B/ KCP05/ KT315	KCP10B/ KCP10	KCP10B/ KCP10	KCP30B/ KCP30/ KCP40B/ KCP40	KCP30B/ KCP30/ KCP40B/ KCP40	KT315	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10

Step 3 • Selecting the cutting speed

Low-Carbon (<0,3% C) and Free-Machining Steel — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P1	KCP05B/KCP05/KTP10							◁▷			435	1450
	KCP10B/KCP10							◁▷			395	1320
	KCP25B/KCP25				◁▷						275	925
	KCP30B/KCP30/KCP40B/KCP40			◁▷							210	700

New Beyond™ Material Group Selection Guide:

To optimise speed recommendations, Beyond material subgroups have been added to each of the six workpiece material groups.

material	material group ISO code	number of material subgroups
steel	P	1–6
stainless steel	M	1–3
cast iron	K	1–3
non-ferrous materials	N	1–8
high-temp alloys	S	1–4
hardened materials	H	1

Step 1 • Select the insert geometry

Negative Wiper Inserts



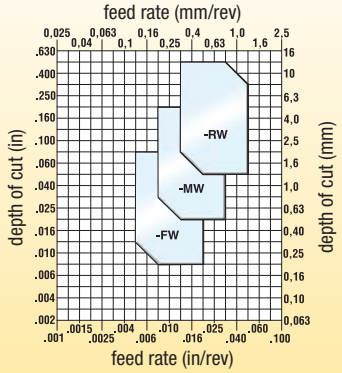
-RW
Rough Wiper



-MW
Medium Wiper



-FW
Finishing Wiper



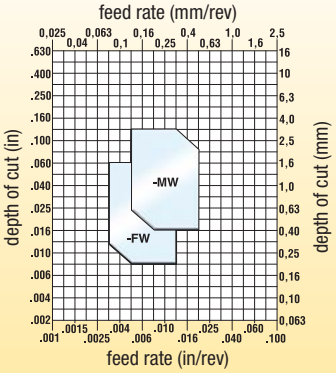
Positive Wiper Inserts



-MW
Medium Wiper



-FW
Finishing Wiper



Step 2 • Select the grade

cutting condition		Negative Insert Geometry -FW	-MW	-RW	Positive Insert Geometry -FW	-MW
heavily interrupted cut		–	–	KCP25B/KCP25	–	KCP25B/KCP25
lightly interrupted cut		KCP10B/KCP10	KCP25B/KCP25	KCP25B/KCP25	KCP25B/KCP25	KCP25B/KCP25
varying depth of cut, casting, or forging skin		KCP05B/KCP05/ KT315	KCP10B/KCP10	KCP10B/KCP10	KCP10B/KCP10/ KCK20B/KCK20	KCP10B/KCP10
smooth cut, pre-turned surface		KCP05B/KCP05/ KT315	KCP05B/KCP05	KCP10B/KCP10	KCP10B/KCP10/ KT315	KT315

Step 1 • Select the insert geometry

Negative Inserts



-RN



-RP*
(positive)



-MR
Medium
Roughing



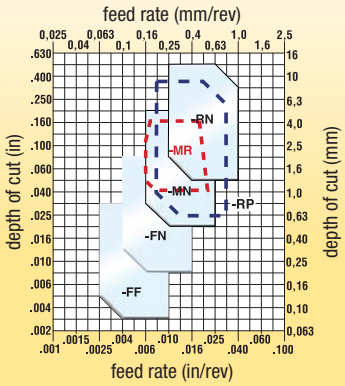
-MN
Medium
Machining



-FN
Finishing



-FF
Fine Finishing



*-RP – Supplemental geometry for high-strength materials

Positive Inserts



-MF



-MP
Positive

Medium Machining



-LF



-FP
Positive

Finishing

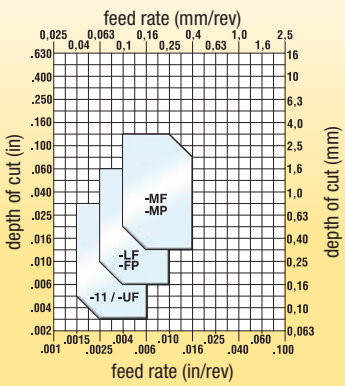


-11



-UF

Fine Finishing



Step 2 • Select the grade

cutting condition		Negative Insert Geometry -FF	-FN	-MN	-MR	-RN	-RP	-11	Positive Insert Geometry -UF	-LF	-FP	-MF	-MP
heavily interrupted cut		KCP10B/ KCP10	KCP25B/ KCP25	KCP30B/ KCP30	–	KCP30B/ KCP40B	KCP30B/ KCP40B	–	KCU10/ KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	KCP40B/ KCP40	KCM25B/ KCM25
lightly interrupted cut		KCP10B/ KCP10	KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	–	KCU10/ KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25	KCP25B/ KCP25
varying depth of cut, casting, or forging skin		KCP05B/ KCP05/ KT315	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10	KT315	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10	KCP10B/ KCP10
smooth cut, pre-turned surface		KCP05B/ KCP05/ KT315	KCP05B/ KCP05	KCP05B/ KCP05	KCP10B/ KCP10/ KCK15B	KCP05B/ KCP10	KCP05B/ KCP10	KT315	KCP05B/ KCP05	KCP05B/ KCP05/ KT315	KCP05B/ KCP05/ KTP10	KCP05B/ KCP05	KCP05B/ KCP05

Step 3 • Selecting the cutting speed

Low-Carbon (<0,3% C) and Free-Machining Steel — speed — m/min (SFM) — Starting Conditions

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P0/P1	KCP05B/KCP05/KCPK05							◇			435	1450
	KCP10B/KCP10						◇				395	1320
	KCP25B/KCP25				◇						275	925
	KCP30B/KCP30/KCP40B/KCP40		◇								210	700
	KT315/KTP10							◇			440	1450
	KCU10			◇							280	925

Medium- and High-Carbon Steels (>0,3% C) — speed — m/min (SFM) — Starting Conditions

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P2	KCP05B/KCP05/KCPK05				◇						240	800
	KCP10B/KCP10			◇							265	880
	KCP25B/KCP25		◇								195	650
	KCP30B/KCP30/KCP40B/KCP40		◇								150	500
	KT315/KTP10				◇						270	880
	KCU10	◇									200	650

Alloy Steels and Tool Steels (≤330 HB) (≤35 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	135 (450)	180 (600)	225 (800)	275 (900)	320 (1050)	360 (1200)	410 (1350)	455 (1500)	495 (1650)	m/min	SFM
P3	KCP05B/KCP05/KCPK05			◇							205	680
	KCP10B/KCP10		◇								190	630
	KCP25B/KCP25		◇								155	510
	KCP30B/KCP30/KCP40B/KCP40	◇									120	400
	KT315/KTP10			◇							210	680
	KCU10		◇								155	510

Alloy Steels and Tool Steels (340–450 HB) (36–48 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	90 (300)	120 (400)	150 (500)	180 (600)	210 (700)	240 (800)	270 (900)	300 (1000)	m/min	SFM
P4	KCP05B/KCP05/KCPK05				◇						160	530
	KCP10B/KCP10				◇						145	480
	KCP25B/KCP25			◇							105	360
	KCP30B/KCP30/KCP40B/KCP40		◇								95	325
	KT315/KTP10					◇					210	530
	KCU10			◇							110	360

Ferritic, Martensitic, and PH Stainless Steels (≤330 HB) (≤35 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	120 (400)	150 (500)	180 (600)	210 (700)	240 (800)	270 (900)	300 (1000)	330 (1100)	360 (1200)	m/min	SFM
P5	KCP05B/KCP05/KCPK05					◇					240	800
	KCP10B/KCP10				◇						215	720
	KCP25B/KCP25				◇						195	650
	KCP30B/KCP30/KCP40B/KCP40		◇								135	450
	KT315/KTP10					◇					250	800
	KCU10				◇						200	660

Ferritic, Martensitic, and PH Stainless Steels (340–450 HB) (36–48 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	105 (350)	135 (450)	165 (550)	195 (650)	225 (750)	255 (850)	285 (950)	315 (1050)	345 (1150)	m/min	SFM
P6	KCP05B/KCP05/KCPK05				◇						200	660
	KCP10B/KCP10				◇						180	600
	KCP25B/KCP25			◇							150	500
	KCP30B/KCP30/KCP40B/KCP40	◇									105	350
	KT315/KTP10				◇						200	660
	KCU10			◇							150	500

Step 1 • Select the insert geometry

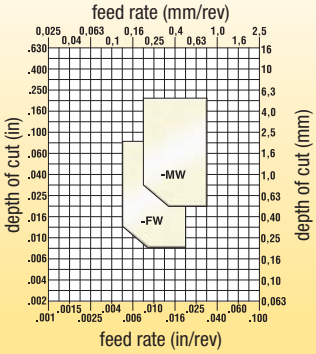
Negative Wiper Inserts



-MW
Medium Wiper



-FW
Finishing Wiper



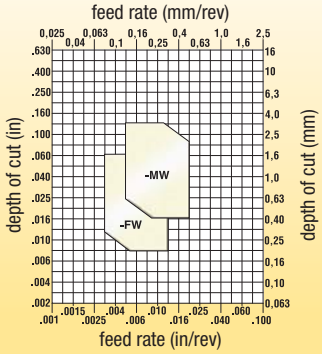
Positive Wiper Inserts



-MW
Medium Wiper



-FW
Finishing Wiper



Step 2 • Select the grade

cutting condition		Negative Insert Geometry -FW	Negative Insert Geometry -MW	Positive Insert Geometry -FW	Positive Insert Geometry -MW
heavily interrupted cut		–	–	–	–
lightly interrupted cut		KCM15B/KCM15	KCM25B/KCM25	KCM15B/KCM15	KCM15B/KCM15
varying depth of cut, casting, or forging skin		KCM15B/KCM15/ KCU10	KCM15B/KCM15	KCU10	KCU10
smooth cut, pre-turned surface		KCM15B/KCM15/ KT315	KCM15B/KCM15	KT315	KT315

Step 1 • Select the insert geometry

Negative Inserts



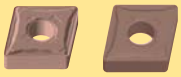
-RP -P
Roughing



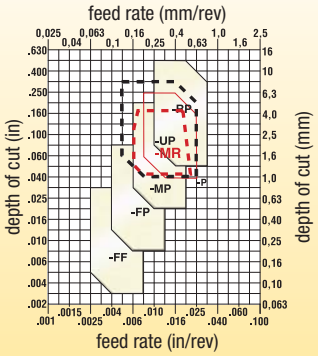
-MR
Medium Roughing



-MP -UP
Medium Machining



-FP -FF
Finishing



Positive Inserts



-MP
Medium Machining



-LF



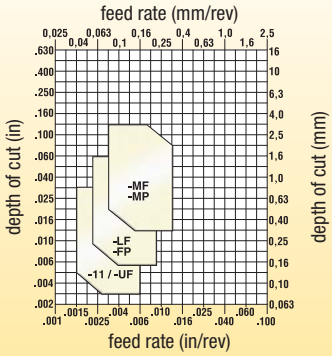
..GT-LF
Finishing



-11



-UF
Fine Finishing



Step 2 • Select the grade

cutting condition		Negative Insert Geometry -FF	-FP	-MP/-UP	-P/-RP	-MR
heavily interrupted cut		KCU10	KCM15B/KCM15	KCM35B/KCM35	KCM35B/KCM35	KCM35B/KCM35
lightly interrupted cut		KCU10	KCM15B/KCM15	KCM25B/KCM25	KCM25B/KCM25	KCM25B/KCM25
varying depth of cut, casting, or forging skin		KT315	KCM15B/KCM15/ KCU10	KCM15B/KCM15	KCM15B/KCM15/ KCM25B/KCM25	KCM15B/KCM15
smooth cut, pre-turned surface		KT315	KCM15B/KCM15/ KT315	KCM15B/KCM15/ KCU10	KCU10	KCM15B/KCM15

(continued)

Step 2 • Select the grade *(continued)*

cutting condition		Positive Insert Geometry -11	-UF	-LF	-MP/-MF	-FP	..GT-LF
heavily interrupted cut		–	KCU25	KCM35B/KCM35	KCM25B/KCM25	KCU25/KCM25B/ KCM25	KCU25
lightly interrupted cut		–	KCU10	KCM25B/KCM25	KCM25B/KCM25	KCM15B/KCM15	KCU25
varying depth of cut, casting, or forging skin		KT315	–	KCM15B/KCU10	KCM15B/KCM15	KCU10	KCU10
smooth cut, pre-turned surface		KT315	–	KCM15B/KCM15/ KT315	KCM15B/KCM15	KTP10	KCU10

Step 3 • Selecting the cutting speed

Austenitic Stainless Steel — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (800)	270 (900)	315 (1050)	360 (1200)	405 (1350)	450 (1500)	m/min	SFM
M1	KCM15B/KCM15			◁▷							180	600
	KCM25B/KCM25		◁▷								150	500
	KCM35B/KCM35	◁▷									120	400
	KT315				◁▷						230	750
	KCU10			◁▷							215	700
	KCU25		◁▷								180	550

Austenitic Stainless Steel — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (800)	270 (900)	315 (1050)	360 (1200)	405 (1350)	450 (1500)	m/min	SFM
M2	KCM15B/KCM15			◁▷							165	550
	KCM25B/KCM25		◁▷								140	450
	KCM35B/KCM35	◁▷									105	350
	KT315				◁▷						215	700
	KCU10			◁▷							200	650
	KCU25		◁▷								165	500

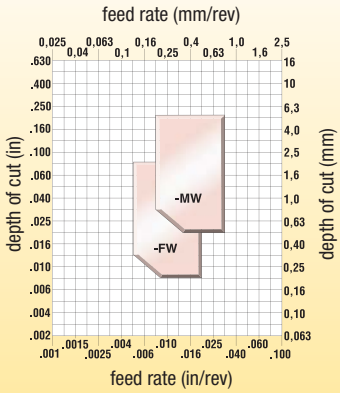
Austenitic Stainless Steel: Duplex (Ferritic and Austenitic Mixture) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (800)	270 (900)	315 (1050)	360 (1200)	405 (1350)	450 (1500)	m/min	SFM
M3	KCM15B/KCM15			◁▷							150	500
	KCM25B/KCM25		◁▷								120	400
	KCM35B/KCM35	◁▷									90	300
	KT315				◁▷						200	650
	KCU10			◁▷							185	600
	KCU25		◁▷								150	450

Step 1 • Select the insert geometry

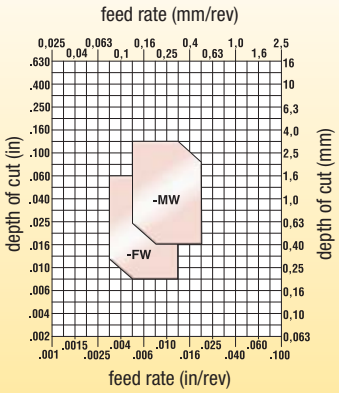
Negative Wiper Inserts





Positive Wiper Inserts





Step 2 • Select the grade

Grey Iron

		Negative Insert Geometry			Positive Insert Geometry	
cutting condition		**-FW**	**-T-20FW**	**-S...MW...**	**-FW**	**-MW**
heavily interrupted cut		–	KY3500	KB1345	–	KCK15B/KCK15/ KCK20B/KCK20
lightly interrupted cut		KCK15B/KCK15	KY3500	KB1345	KCK20B/KCK20	KCK15B/KCK15/ KCK20B/KCK20
varying depth of cut, casting, or forging skin		KCK05B/KCK05/ KT315	KYK10	KB1345	KCK20B/KCK20	KCK15B/KCK15/ KCK20B/KCK20
smooth cut, pre-turned surface		KCK05B/KCK05/ KT315	KYK25	KB1345	KCK20B/ KT315	KCK15B/KCK15/ KCK20B/KCK20/KT315

Ductile Iron

		Negative Insert Geometry		Positive Insert Geometry	
cutting condition		**-FW**	**-T-20FW**	**-FW**	**-MW**
heavily interrupted cut		–	–	–	–
lightly interrupted cut		KCK15B/ KCK15	KY3500	KCK20B/ KCK20	KCK20B/ KCK20
varying depth of cut, casting, or forging skin		KCK05B/KCK05/ KT315	KYK10	KCK20B/ KCK20	KCK20B/ KCK20
smooth cut, pre-turned surface		KCK05B/KCK05/ KT315	KYK25	KCK20B/KCK20/ KT315	KCK20B/KCK20/ KT315

Step 3 • Selecting the cutting speed

Grey Cast Iron — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	150 (500)	240 (800)	330 (1100)	420 (1400)	510 (1700)	600 (2000)	690 (2300)	780 (2600)	m/min	SFM
K1	KCK05B/KCK05					◁▷					450	1500
	KCK15B/KCK15				◁▷						360	1200
	KCK20B/KCK20/KCPK05				◁▷						300	1000
	KT315				◁▷						275	900

Ductile, Compacted Graphite, and Malleable Cast Irons (<80 KSI tensile strength) — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	150 (500)	240 (800)	330 (1100)	420 (1400)	510 (1700)	600 (2000)	690 (2300)	780 (2600)	m/min	SFM
K2	KCK05B/KCK05				◁▷						360	1200
	KCK15B/KCK15			◁▷							270	900
	KCK20B/KCK20/KCPK05			◁▷							240	800
	KT315				◁▷						275	900

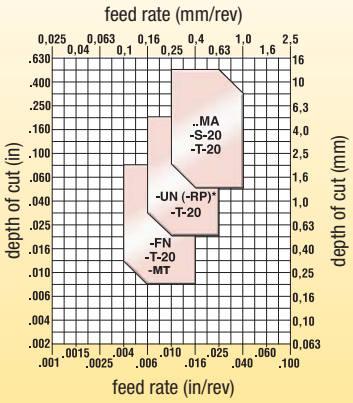
Ductile, Compacted Graphite, and Malleable Cast Irons (>80 KSI tensile strength) — speed — m/min (SFM) — Starting Conditions

material group	grade	60 (200)	150 (500)	240 (800)	330 (1100)	420 (1400)	510 (1700)	600 (2000)	690 (2300)	780 (2600)	m/min	SFM
K3	KCK05B/KCK05			◁▷							240	800
	KCK15B/KCK15			◁▷							215	725
	KCK20B/KCK20/KCPK05		◁▷								210	700
	KT315			◁▷							230	750

Step 1 • Select the insert geometry

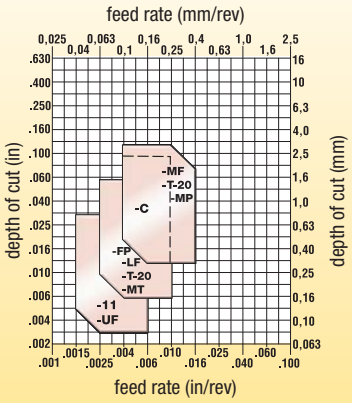
Negative Inserts





Positive Inserts





*Geometry can be used in medium machining operations to reduce tool pressure in high-strength metals.

Step 2 • Select the grade

Grey Iron

		Negative Insert Geometry				Positive Insert Geometry			
cutting condition		**-FN**	**-MR**	**-UN(-RP)**	**-MA**	**-LF**	**-FP**	**-MF**	**-MP**
heavily interrupted cut		KCK15B/ KCK15	KCP25B/ KCP25/ KCP10B/KCP10	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20
lightly interrupted cut		KCK15B/ KCK15	KCP10B/ KCP10/ KCP25B/KCP25	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20
varying depth of cut, casting, or forging skin		KCK05B/ KCK05/ KT315	KCK15B/ KCK15	KCK15B/ KCK15	KCK15B/ KCK15	KCK15B/ KCK15	KCK20B/ KCK20	KCK15B/ KCK15	KCK20B/ KCK20
smooth cut, pre-turned surface		KCK05B/ KCK05/ KT315	KCK15B/ KCK15	KCK05B/ KCK05	KCK05B/ KCK05	KCK05B/ KCK05	KCK20B/ KCK20	KCK15B/ KCK15	KCK20B/ KCK20

Ductile Iron

		Negative Insert Geometry				Positive Insert Geometry			
cutting condition		**-FN**	**-UN(-RP)**	**-MA**	**-11/-UF**	**-LF**	**-MF**	**-FP**	**-MP**
heavily interrupted cut		KCK15B/ KCK15	KCK20B/ KCK20	KCK20B/ KCK20	–	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20
lightly interrupted cut		KCK15B/ KCK15	KCK20B/ KCK20	KCK20B/ KCK20	KCU10	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20	KCK20B/ KCK20
varying depth of cut, casting, or forging skin		KCK05B/ KCK05/ KT315	KCK15B/ KCK15	KCK15B/ KCK15	KCU10	KCK15B/ KCK15	KCK15B/ KCK15	KCK20B/ KCK20	KCK20B/ KCK20
smooth cut, pre-turned surface		KCK05B/ KCK05/ KT315	KCK05B/ KCK05	KCK05B/ KCK05	KT315	KCU10	KCK15B/ KCK15	KCK20B/ KCK20	KCK20B/ KCK20

(continued)

Step 3 • Selecting the cutting speed *(continued)* (Optimal speed depends on casting quality and disposition.)

Grey Cast Iron — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	60 (200)	180 (600)	305 (1000)	430 (1400)	550 (1800)	675 (2200)	800 (2600)	920 (3000)	1040 (3400)	1160 (3800)	m/min	SFM
K1	KT315		◁▷									275	900
	KB1340/KB1345							◁▷				760	2500
	KCK05B/KCK05			◁▷								450	1500
	KCK15B/KCK15			◁▷								360	1200
	KCK20B/KCK20/KCPK05			◁▷								300	1000

Ductile, Compacted Graphite, and Malleable Cast Irons (<600 MPa tensile strength) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	460 (1500)	500 (1650)	550 (1800)	600 (1950)	m/min	SFM
K2	KT315					◁▷								275	900
	KCU10			◁▷										200	650
	KCK05B/KCK05						◁▷							360	1200
	KCK15B/KCK15					◁▷								270	900
	KCK20B/KCK20/KCPK05				◁▷									240	800

Ductile, Compacted Graphite, and Malleable Cast Irons (>600 MPa tensile strength) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	460 (1500)	500 (1650)	550 (1800)	600 (1950)	m/min	SFM
K3	KT315				◁▷									230	750
	KCU10			◁▷										150	500
	KCK05B/KCK05				◁▷									240	800
	KCK15B/KCK15			◁▷										215	725
	KCK20B/KCK20/KCPK05		◁▷											210	700

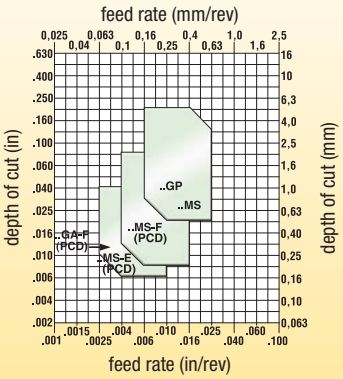
Step 1 • Select the insert geometry

Negative Inserts



..GP ..MS

Medium Finishing



Positive Inserts



..GT-HP

Medium Finishing

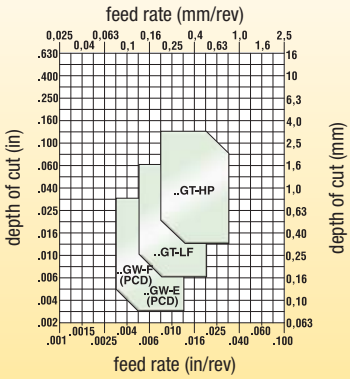


..GT-LF

Finishing



..GW-F (PCD) ..GW-E (PCD)



Step 2 • Select the grade

		Negative Insert Geometry		Positive Insert Geometry	
cutting condition		**..GP**	**..MS**	**..GT-LF**	**..GT-HP**
heavily interrupted cut		**KC5410/K313**	**KC5410**	**–**	**KC5410**
lightly interrupted cut		**KC5410/K313**	**KC5410**	**KC5410**	**KC5410**
varying depth of cut, casting, or forging skin		**KC5410/K313**	**KC5410**	**KC5410**	**KC5410**
smooth cut, pre-turned surface		**KC5410/K313**	**KC5410**	**KC5410**	**KC5410**

Step 3 • Selecting the cutting speed

Low-Silicon Aluminium Alloys (hypoeutectic <12.2% Si) and Magnesium Alloys

speed — m/min (SFM)

Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	1250 (4000)	1500 (4800)	1750 (5600)	2000 (6400)	2250 (7200)	2500 (8000)	m/min	SFM
N1	**KC5410**		◁▷									550	1800

Additional cutting speed recommendations for miscellaneous workpiece materials

Copper-, Brass-, Zinc-Based on a Machinability Index Range of 70–100 — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N4	KC5410	◁▷				275	900
	K313	◁▷				260	850

Nylon, Plastics, Rubbers, Phenolics, Resins, Fibreglass, and Glass — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N5	KC5410	◁▷				170	550

Carbon and Graphite Composites: Brush Alloys, Kevlar, and Graphite (280–400 HB) (30–43 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N6	KC5410	◁▷				200	650

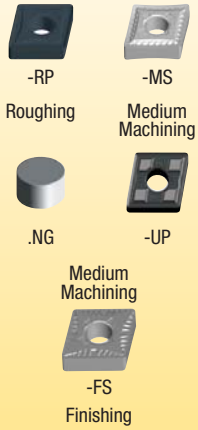
Tin Alloys, Cast: ASTM 823, Alloys 1, 2, 3, 11 — speed — m/min (SFM) — Starting Conditions ◁▷

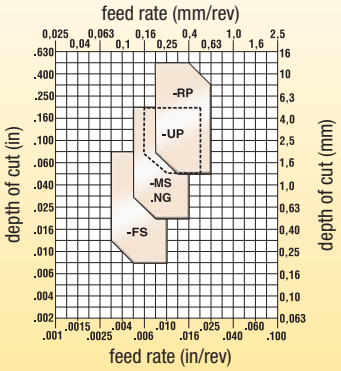
material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N8	KC5410	◁▷				215	700
	K313	◁▷				180	600

Step 1 • Select the insert geometry

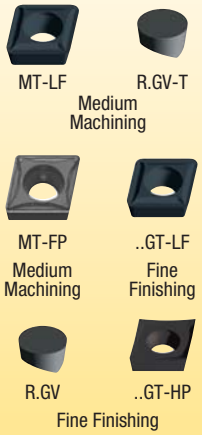
beyond DRIVE™

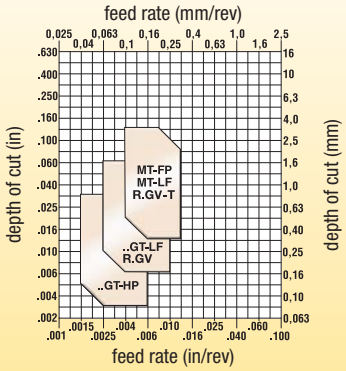
Negative Inserts





Positive Inserts





Step 2 • Select the grade

		Negative Insert Geometry			
cutting condition		**-FS**	**-MS**	**-UP**	**-RP**
heavily interrupted cut		**KCU25**	**KCU25**	**KCM35B**	**KCM25B/ KCM35B**
lightly interrupted cut		**KCU10**	**KCU25**	**KCM25B**	**KCM15B**
varying depth of cut, casting, or forging skin		**KCU10**	**KCU10**	**KCM15B**	**KCU25**
smooth cut, pre-turned surface		**KCU10/K313**	**KCU10/K313**	**KCU10**	**KCU10**

		Positive Insert Geometry			
cutting condition		**MT-FP**	**..GT-HP**	**MT-LF**	**..GT-LF**
heavily interrupted cut		**KCU25**	**–**	**KCU25**	**KCU25**
lightly interrupted cut		**KCU25**	**KCU25**	**KCU25**	**KCU25**
varying depth of cut, casting, or forging skin		**KCU10/KU10**	**KCU10**	**KCU10**	**KCU10**
smooth cut, pre-turned surface		**KCU10/KU10**	**KCU10/K313**	**KCU10/K313**	**KCU10/K313**

Step 3 • Select the cutting speed

Iron-Based, Heat-Resistant Alloys (135–320 HB) (≤34 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S1	K313/KU10		◁▷												30	100
	KCU10			◁▷											55	180
	KCU25		◁▷												40	125
	KCM15B/KCM15			◁▷											55	180
	KCM25B/KCM25/KCM35B/KCM35		◁▷												40	125

Cobalt-Based, Heat-Resistant Alloys (150–425 HB) (≤45 HRC) — speed — m/min (SFM) — Starting Conditions

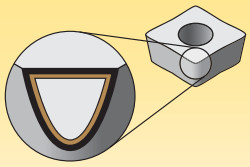
material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S2	K313/KU10		◁▷												35	110
	KCU10			◁▷											60	195
	KCU25		◁▷												30	100
	KCM15B/KCM15			◁▷											60	195
	KCM25B/KCM25/KCM35B/KCM35		◁▷												30	100

Nickel-Based, Heat-Resistant Alloys (140–475 HB) (≤48 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S3	K313/KU10		◁▷												40	125
	KCU10			◁▷											70	225
	KCU25		◁▷												40	125
	KCM15B/KCM15			◁▷											70	225
	KCM25B/KCM25/KCM35B/KCM35		◁▷												40	125

Titanium and Titanium Alloys (110–450 HB) (≤48 HRC) — speed — m/min (SFM) — Starting Conditions

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S4	K313/KU10		◁▷												45	150
	KCU10			◁▷											70	225
	KCU25		◁▷												55	175
	KCM15B/KCM15			◁▷											70	225
	KCM25B/KCM25/KCM35B/KCM35		◁▷												55	175

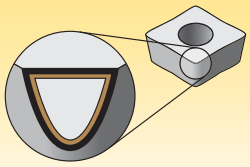


Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

	Coating		Grade Description		05	10	15	20	25	30	35	40	45
Uncoated Carbide Grades	K313	—	**Composition:** A hard, low binder content, unalloyed WC/Co fine-grain grade. **Application:** Exceptional edge wear resistance combined with very high strength for machining titanium, cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and most high-temp alloys. Superior thermal deformation and depth-of-cut notch resistance. The grain structure is well controlled for minimal pits and flaws, which contributes to long, reliable service.	M									
				K									
				N									
				S									
	K68	—	**Composition:** A hard, low binder content, alloyed grade WC/Co fine-grain grade. **Application:** The K68 grade has excellent abrasion resistance for machining cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and as an alternative to the K313 grade on high-temperature alloys. Use as a general-purpose grade for non-ferrous materials.	M									
				K									
				N									
				S									
PVD-Coated Carbide Grades	KCS10	—	**Composition:** An advanced PVD-AlTiN coated, fine-grained tungsten carbide grade. **Application:** The KCS10 grade specifically engineered for the productive machining of high-temperature alloys. The fine-grained tungsten carbide substrate has excellent toughness and deformation resistance while the advanced PVD coating allows metalcutting speeds double those of conventional PVD-coated cutting tools.	P									
				M									
				K									
				N									
				S									
				H									
	KCU10	—	**Composition:** An advanced multilayer PVD coating over a very deformation-resistant unalloyed carbide substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU10™ grade is ideal for finishing to general machining of most workpiece materials at a wide range of speed and feed capabilities. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and high-temp alloys with improved edge toughness, notch resistance, and higher cutting speed/feed capability. beyond	P									
				M									
				K									
				N									
				S									
				H									

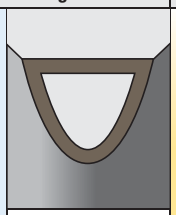
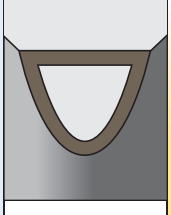
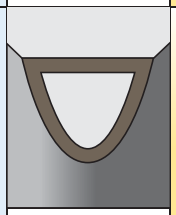
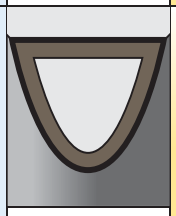


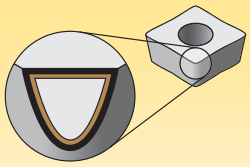
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

PVD-Coated Carbide Grades

Coating	Grade Description		05	10	15	20	25	30	35	40	45
KCU25  —	**Composition:** An advanced PVD grade with hard AlTiN coating and fine-grain unalloyed substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU25™ grade is ideal for general machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials in a wide range of speeds and feeds with improved edge toughness for interrupted cut and high feed rates. beyond	P									
		M									
		K									
		N									
		S									
KC5010  —	**Composition:** An advanced PVD AlTiN coating over a very deformation-resistant unalloyed carbide substrate. **Application:** The KC5010™ grade is ideal for finishing to general machining of most workpiece materials at higher speeds. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and high-temp alloys under stable conditions. It also performs well machining hardened and short chipping materials.	P									
		M									
		K									
		N									
		S									
		H									
KC5025  —	**Composition:** An advanced PVD-AlTiN-coated grade with a tough, ultra-fine-grain unalloyed substrate. **Application:** For general-purpose machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials. Speeds may vary from low to medium and will handle interruptions and high feed rates.	P									
		M									
		K									
		N									
		S									
KC5410  —	**Composition:** A PVD TiB_2 coating over a very deformation-resistant unalloyed substrate. **Application:** Designed for roughing, semi-finishing, and finishing of free machining (hypoeutectic <12.2% Si) aluminium, aluminium alloys, and magnesium alloys. The TiB_2 coating is harder than TiN and TiAlN coatings and has an extremely smooth surface, resulting in reduced surface friction, speedy chip flow, and outstanding wear resistance. Built-up edge is prevented because this coating has a very low affinity for aluminium. The substrate is unalloyed and fine grained and offers sharp edges, smooth surfaces, and excellent thermal deformation resistance and edge integrity. Inserts with a ground periphery are polished before coating and have a sharp edge. Moulded inserts have a light hone.										
		N									



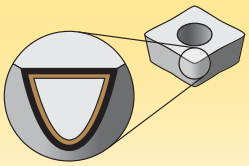
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

CVD-Coated Carbide Grades

Coating	Grade Description		05	10	15	20	25	30	35	40	45
KCP05B	**Composition:** An innovative, highly deformation-resistant, cobalt-enriched substrate with a specially designed, adherent MTCVD TiCN-Al_2O_3-TiOCN coating. **Application:** For finishing to semi-finishing of most steels, ferritic, martensitic, and PH stainless steels and cast irons. Provides excellent combination of deformation resistance and insert edge strength. The new coating combined with a state-of-the-art post-coat treatment provides high-productivity with long predictable tool life and superior workpiece surface finish. beyond™ DRIVE™	P	■	■	■						
—		K					■	■	■		
KCP05	**Composition:** An innovative, highly deformation-resistant, cobalt-enriched substrate with a specially designed, adherent MTCVD TiCN-Al_2O_3 coating. **Application:** For finishing to semi-finishing of most steels, ferritic, martensitic, and PH stainless steels and cast irons. Provides excellent combination of deformation resistance and insert edge strength. The new coating combined with a state-of-the-art post-coat treatment provides high-productivity with long predictable tool life and superior workpiece surface finish. beyond	P	■	■	■						
—		K					■	■	■		
KCPK05	**Composition:** A deformation-resistant, cobalt-enriched substrate combined with thick MTCVD TiCN-Al_2O_3 coating. **Application:** For high productivity turning of steels and PH stainless steels in continuous to lightly interrupted cuts. This grade provides excellent combination of toughness and high speed wear resistance allowing the fastest steel part production. Its unique combination of substrate and coating also make it an ideal roughing grade for cast iron where chipping resistance is required. beyond	P	■	■	■						
—		K					■	■	■		
KCP10B	**Composition:** A specially engineered cobalt-enriched carbide grade with thick MTCVD TiCN-Al_2O_3-TiOCN coating for maximum wear resistance. **Application:** An excellent finishing to medium machining grade for a variety of workpiece materials, including most steels, ferritic, martensitic, and PH stainless steels, and cast irons. The cobalt-enriched substrate offers a balanced combination of deformation resistance and edge toughness, while the thick coating layers offer outstanding abrasion resistance and crater wear resistance for high-speed machining. Smooth coating provides resistance to edge build-up and microchipping and produces excellent surface finishes. beyond™ DRIVE™	P		■	■	■					
—		K					■	■	■		
KCP10	**Composition:** A specially engineered cobalt-enriched carbide grade with thick MTCVD TiCN-Al_2O_3 coating for maximum wear resistance. **Application:** An excellent finishing to medium machining grade for a variety of workpiece materials, including most steels, ferritic, martensitic, and PH stainless steels, and cast irons. The cobalt-enriched substrate offers a balanced combination of deformation resistance and edge toughness, while the thick coating layers offer outstanding abrasion resistance and crater wear resistance for high-speed machining. Smooth coating provides resistance to edge build-up and microchipping and produces excellent surface finishes. beyond	P		■	■	■					
—		K					■	■	■		

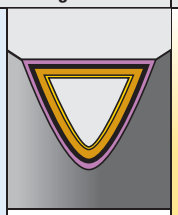
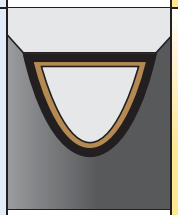
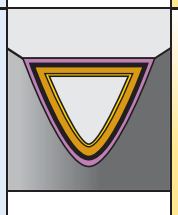
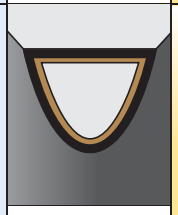


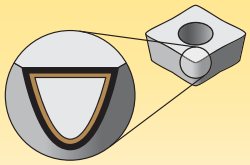
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

CVD-Coated Carbide Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KCP25B  —	**Composition:** A tough cobalt-enriched carbide grade with a multilayer MTCVD TiCN-Al_2O_3-TiOCN coating with superior interlayer adhesion. **Application:** Best general-purpose turning grade for most steels and ferritic and martensitic stainless steels. The substrate design ensures adequate deformation resistance with excellent insert edge strength. Coating layers offer good wear resistance over a wide range of machining conditions and the post-coat treatment minimises microchipping and improves coating adhesion to substrate leading to long tool life and improved workpiece finishes. beyond DRIVE™	P				■	■	■			
		K					■	■	■	
KCP25  —	**Composition:** A tough cobalt-enriched carbide grade with a multilayer MTCVD TiCN-Al_2O_3 coating with superior interlayer adhesion. **Application:** Best general-purpose turning grade for most steels and ferritic and martensitic stainless steels. The substrate design ensures adequate deformation resistance with excellent insert edge strength. Coating layers offer good wear resistance over a wide range of machining conditions and the post-coat treatment minimises microchipping and improves coating adhesion to substrate leading to long tool life and improved workpiece finishes. beyond™	P				■	■	■			
		K					■	■	■	
KCP30B  —	**Composition:** A tough cobalt-enriched carbide grade with an advanced multilayer MTCVD TiCN-Al_2O_3-TiOCN coating. **Application:** For medium to rough machining of all carbon, alloy, and stainless steels. The substrate design provides superior insert strength that is required for this application, and the multilayer coating adds wear resistance to the insert resulting in long tool life. beyond DRIVE™	P					■	■	■	
		M				■	■				
KCP30  —	**Composition:** A tough cobalt-enriched carbide grade with an advanced multilayer MTCVD TiCN-Al_2O_3 coating. **Application:** For medium to rough machining of all carbon, alloy, and stainless steels. The substrate design provides superior insert strength that is required for this application, and the multilayer coating adds wear resistance to the insert resulting in long tool life. beyond™	P					■	■	■	
		M				■	■				



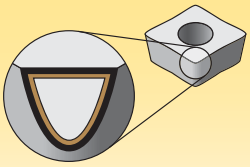
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

CVD-Coated Carbide Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KCP40B	**Composition:** A tough carbide grade with a thin MTCVD TiCN-Al_2O_3-TiOCN coating. **Application:** For heavy roughing of carbon, alloy, and stainless steels. The substrate-coating combination provides unbelievable toughness and operational security allowing high metal removal rates even in most demanding interrupted cuts. beyond DRIVE™									
KCP40	**Composition:** A tough carbide grade with a thin MTVCVD TiCN-Al_2O_3 coating. **Application:** For heavy roughing of carbon, alloy, and stainless steels. The substrate-coating combination provides unbelievable toughness and operational security allowing high metal removal rates even in most demanding interrupted cuts. beyond									
KCK05B	**Composition:** A multilayered coating with moderately thick MTCVD TiCN-Al_2O_3-TiOCN layers over a highly deformation-resistant carbide substrate. **Application:** Designed for high-speed machining of grey and ductile irons. The substrate and coating architecture together with post-coat treatment ensure a tremendous tool life advantage, especially when cutting higher tensile strength ductile and grey irons where workpiece size consistency and reliability of tool life are critical. Excellent both in continuous cuts and varied depths of cut. beyond DRIVE™									
KCK05	**Composition:** A multilayered coating with moderately thick MTCVD TiCN-Al_2O_3 layers over a highly deformation-resistant carbide substrate. **Application:** Designed for high-speed machining of grey and ductile irons. The substrate and coating architecture together with post-coat treatment ensure a tremendous tool life advantage, especially when cutting higher tensile strength ductile and grey irons where workpiece size consistency and reliability of tool life are critical. Excellent both in continuous cuts and varied depths of cut. beyond									
KCK15B	**Composition:** A multilayered coating with thick MTCVD TiCN-Al_2O_3-TiOCN layers applied over a carbide substrate specifically engineered for cast irons. **Application:** Delivers consistent performance in high-speed machining of grey and ductile irons. The substrate design permits the insert to stay in the cut for a long time at high speeds with minimum deformation. The thick CVD coating and post-coat treatment provide superior wear resistance ensuring long and consistent tool life. Can be applied both in continuous and lightly interrupted cuts. beyond DRIVE™									



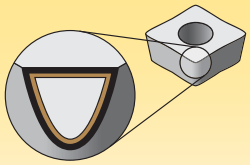
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

CVD-Coated Carbide Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KCK15 —	**Composition:** A multilayered coating with thick MTCVD TiCN-Al_2O_3 layers applied over a carbide substrate specifically engineered for cast irons. **Application:** Delivers consistent performance in high-speed machining of grey and ductile irons. The substrate design permits the insert to stay in the cut for a long time at high speeds with minimum deformation. The thick CVD coating and post-coat treatment provide superior wear resistance ensuring long and consistent tool life. Can be applied both in continuous and lightly interrupted cuts. beyond	P	P							
		K	K	K	K					
KCK20B —	**Composition:** A specially toughened MTCVD TICN-Al_2O_3-TiOCN coating over a wear-resistant substrate. **Application:** Specifically engineered to maximise coating adhesion and edge strength making this grade ideal in wet interrupted cutting of grey and ductile irons. It can be used in a wide range of applications from finishing to roughing to maximise productivity wherever strength and reliability are needed. beyond DRIVE	P	P	P						
		K		K	K	K	K			
KCK20 —	**Composition: A** specially toughened MTCVD TICN-Al_2O_3 coating over a wear-resistant substrate. **Application:** Specifically engineered to maximise coating adhesion and edge strength making this grade ideal in wet interrupted cutting of grey and ductile irons. It can be used in a wide range of applications from finishing to roughing to maximise productivity wherever strength and reliability are needed. beyond	P	P	P						
		K		K	K	K	K			
KCM15B —	**Composition:** A multilayer MTCVD TiCN-Al_2O_3 coated carbide grade. **Application:** An excellent finishing to medium machining grade for austenitic stainless steels at higher speeds and covers a broad range of steel applications in the P20–P25 range. KCM15B grade in combination with unique geometries have been designed to resist depth-of-cut notching and minimise bur formation. The post-coat treatment reduces coating stresses, improves coating adhesion, minimises microchipping and edge build-up, and improves workpiece finish. beyond DRIVE	P				P	P			
		M	M	M	M					



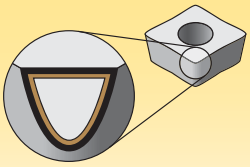
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

CVD-Coated Carbide Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KCM15 —	**Composition:** A multilayer MTCVD TiCN-Al_2O_3 coated carbide grade. **Application:** An excellent finishing to medium machining grade for austenitic stainless steels at higher speeds and covers a broad range of steel applications in the P20–P25 range. KCM15 grade in combination with unique geometries have been designed to resist depth-of-cut notching and minimise bur formation. The post-coat treatment reduces coating stresses, improves coating adhesion, minimises microchipping and edge build-up, and improves workpiece finish. beyond	P									
		M									
KCM25B —	**Composition:** A multilayer MTCVD TiCN-Al_2O_3-TiOCN coated carbide grade. **Application:** This CVD-coated grade is designed for general-purpose machining of austenitic stainless steels at moderate speeds and feeds. This grade offers an extraordinary combination of toughness, built-up edge resistance, and wear resistance in stainless steel applications. beyond DRIVE	P									
		M									
KCM25 —	**Composition:** A multilayer CVD coating comprised of MTCVD TiCN-Al_2O_3 layers over a tough, cobalt-enriched carbide substrate. **Application:** This CVD-coated grade is designed for general-purpose machining of austenitic stainless steels at moderate speeds and feeds. This grade offers an extraordinary combination of toughness, built-up edge resistance, and wear resistance in stainless steel applications. beyond	P									
		M									
KCM35B —	**Composition:** A multilayer MTCVD TiCN-Al_2O_3-TiOCN coating over a super-tough substrate. **Application:** Engineered to take on the most brutal cast stainless steel machining applications. The substrate withstands heavy interruptions, while the coating provides the wear resistance needed for long tool life. The polished surface resists edge build-up, even at slow cutting speeds. Available in insert sizes and geometries appropriate for heavy feeds and large depths of cut. beyond DRIVE	P									
		M									
KCM35 —	**Composition:** A multilayer MTCVD TiCN-Al_2O_3 coating over a super-tough substrate. **Application:** Engineered to take on the most brutal cast stainless steel machining applications. The substrate withstands heavy interruptions, while the coating provides the wear resistance needed for long tool life. The polished surface resists edge build-up, even at slow cutting speeds. Available in insert sizes and geometries appropriate for heavy feeds and large depths of cut. beyond	P									
		M									

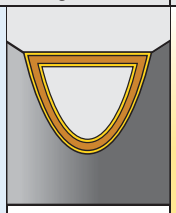
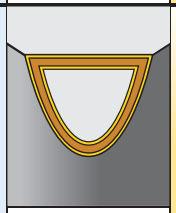


Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

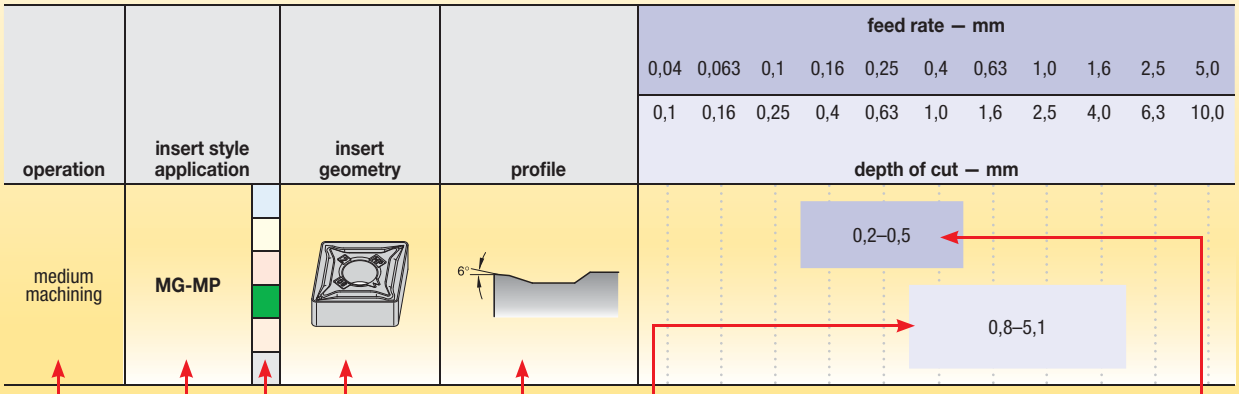
wear resistance ← → toughness

PVD-Coated Cermet Grades

Coating	Grade Description		05	10	15	20	25	30	35	40	45
KT315  —	**Composition:** A multilayer PVD TiN/TiCN/TiN-coated cermet turning grade. **Application:** Ideal for high-speed finishing to medium machining of most carbon and alloy steels and stainless steels. Performs very well in cast and ductile iron applications, too. Provides long and consistent tool life and will produce excellent workpiece finishes.	P									
		M									
		K									
KTP10  —	**Composition:** A multilayer PVD TiN/TiCN/TiN-coated cermet turning grade. **Application:** Ideal for high-speed finishing to medium machining of most carbon and alloy steels and stainless steels. Performs very well in cast and ductile iron applications, too. Provides long and consistent tool life and will produce excellent workpiece finishes.	P									
		M									
		K									

Select the geometry — based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials



Feed Rate Range —
for best results, use the centre 60% of the range

Depth-of-Cut Range —
for all inserts in the programme, select smaller inserts for lighter cuts and larger inserts for heavy cuts

Pictorial View of Insert

Chipbreaker Geometry —
section is through nose radius of insert

Primary Workpiece Material Group

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

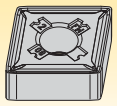
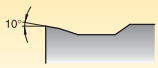
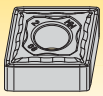
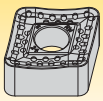
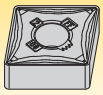
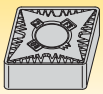
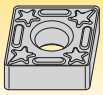
Chip Control Geometry Designation —
example: MG-MP = CNMG-432MP

Machining Operation —
for what the insert geometry is designed

NOTE: For detailed grade and geometry recommendations, reference the Kennametal Beyond™ Selection System on pages B8–B21.

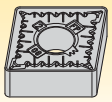
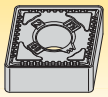
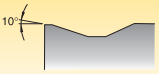
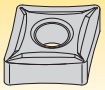
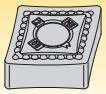
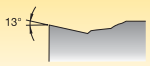
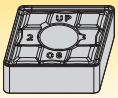
Select the geometry – based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate – mm: 0,04 / 0,063 / 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut – mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
wiper finishing	**MG-FW**			0,2–0,4 0,25–2,0
wiper medium machining	**MG-MW**			0,3–0,6 0,8–5,1
wiper roughing	**MM-RW**			0,3–1,3 1,3–12,7
fine finishing	**MG-FF**			0,05–0,25 0,08–2,0
finishing sharp	**GG-FS** precision ground			0,07–0,25 0,20–2,0
finishing	**GG-LF** precision ground			0,1–0,5 0,5–3,0

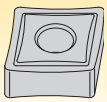
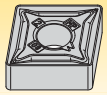
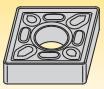
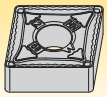
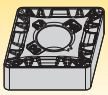
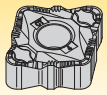
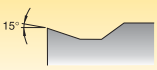
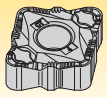
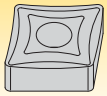
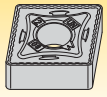
Select the geometry — based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
finishing	MG-FP			0,1–0,3 0,25–2,5
	MG-FN			0,1–0,3 0,3–2,5
	MP-K			0,1–0,3 0,2–2,5
medium sharp	MG-MS			0,12–0,35 0,76–5,0
medium machining	MG-UP			0,2–0,6 1–6,4

Select the geometry — based on feed rate and depth of cut

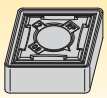
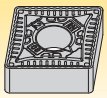
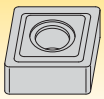
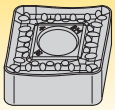
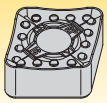
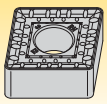
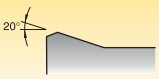
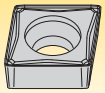
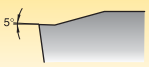
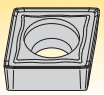
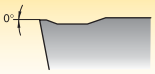
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
medium machining	_GP*			0,3–0,5 0,5–3,2
	MG-MP			0,15–0,5 0,8–5,1
	MG-P			0,15–0,5 0,75–5,0
	MG-MN			0,15–0,5 0,5–5,1
	MG-MR			0,15–0,55 1,5–6,3
	MG-CT O.D. turning			0,13–0,5 1,0–3,0
	MG-CT outward facing			0,25–0,5 0,25–1,0
	-MS single sided			0,15–0,4 0,6–2,3
	MG-UN			0,2–0,5 0,8–3,8

*35° and 55° geometries are single sided.

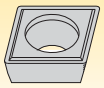
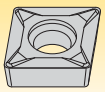
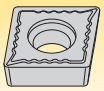
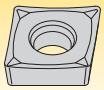
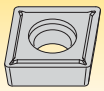
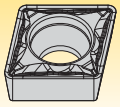
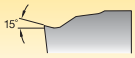
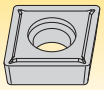
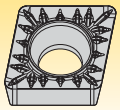
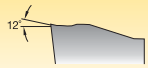
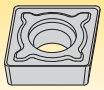
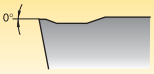
Select the geometry — based on feed rate and depth of cut

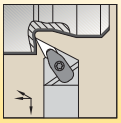
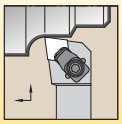
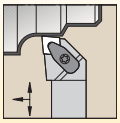
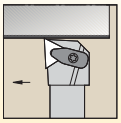
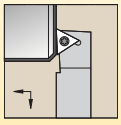
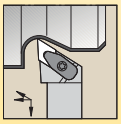
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

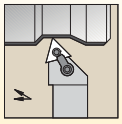
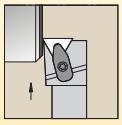
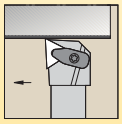
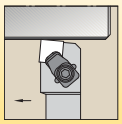
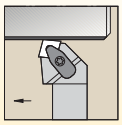
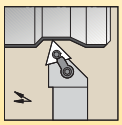
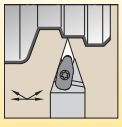
operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
roughing	**MG-RP**			0,2–0,6 1,1–6,4
heavy roughing	**MG-RN**			0,3–0,63 1,1–5,7
	MG			0,3–0,8 1,1–5,7
	MM-RM single sided			0,3–1,0 1,3–12,7
	MM-RP single sided			0,2–1,0 1,3–10,0
	MM-RH single sided			0,4–1,3 1,3–12,7
wiper finishing	**MT-FW**			0,08–0,35 0,2–1,5
wiper, medium finishing	**MT-MW**			0,12–0,5 0,4–3,3

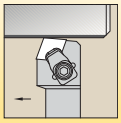
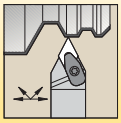
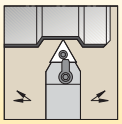
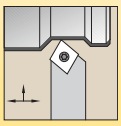
Select the geometry — based on feed rate and depth of cut

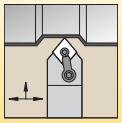
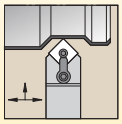
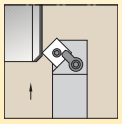
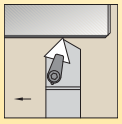
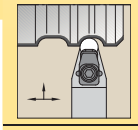
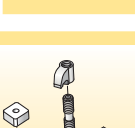
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 — depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
fine finishing	_GM precision ground			0,05–0,2 0,2–1,0
	MT-11			0,08–0,25 0,2–1,3
	.MT-UF			0,05–0,25 0,1–1,3
finishing	GT-HP precision ground			0,2–0,4 0,6–2,3
	GT-LF precision ground			0,2–0,4 0,8–2,3
	MT-FP			0,063–0,25 0,16–1,6
	MT-LF			0,2–0,4 0,8–2,3
medium machining	MT-MP			0,15–0,4 0,4–2,3
	MT-MF			0,2–0,4 1,1–2,3

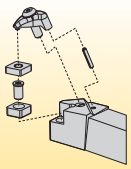
tool path	insert shape	clamping style	Turning	Profiling	Facing	Plunging	Chamfering	page(s)
117,5° Lead Angle								
	V 35°	Kenloc™	●	●	●			B151
		Kenclamp™	●		●			B150
107,5° Lead Angle								
	D 55°	Screw-On	●	●				B213
		TNT	●	●		●		B151
	V 35°	Screw-On	●	●				B265
97,5° Lead Angle								
	E 75°	MTS	●		●			–
95° Lead Angle								
	C 80°	Kenloc	●	●	●			B62
		Kenclamp	●	●	●			B59
		Kenlever™	●	●	●			B65
		Screw-On	●	●	●			B180, B193
		MTS	●	●	●			B358
	W 80°	Kenloc	●	●	●			B162
		Kenclamp	●	●	●			B161
		Kenlever	●	●	●			B163
		Screw-On	●	●	●			B271
		MTS	●	●	●			B369
		Wedgelock™	●	●	●			B162
93° Lead Angle								
	D 55°	Kenloc	●	●				B86
		Kenclamp	●	●				B85
		Kenlever	●	●				B87
		Screw-On	●	●				B210
		MTS	●	●				B360
	V 35°	Kenloc	●	●				B151
		Kenclamp	●	●				B149
		Screw-On	●	●				B267
	T 60°	Wedgelock	●	●				B133

tool path	insert shape	clamping style	Turning	Profiling	Facing	Plunging	Chamfering	page(s)
90° Lead Angle								
	C 80°	Screw-on	●	●	●			B179
	D 55°	Screw-on	●	●	●			B209
	V 35°	Screw-on	●	●	●			B266
	T 60°	Kenloc	●	●	●	●		B133
		Kenclamp	●	●	●			B132
		Kenlever	●	●	●			B135
		Screw-on	●	●	●			B247
		TNT	●	●	●			–
		Wedgelock	●	●	●			B133
85° Lead Angle								
	S 90°	MTS	●		●			B366
75° Lead Angle								
	C 80°	Kenloc	●	●	●			B61
		Kenclamp	●	●	●			B58
		Kenlever	●		●			B64
		TNT	●	●				–
		Screw-On	●		●			B180
		MTS	●					B356
	S 90°	Kenloc	●		●			B108
		Kenclamp	●		●			B105
		Kenlever	●	●	●			B111
		Screw-On	●	●	●			B233
		MTS	●	●	●			B364
72,5° Lead Angle								
	V 35°	Kenloc	●	●				B152
		Kenclamp		●				B150
		Screw-On	●	●				B268

tool path	insert shape	clamping style	Turning	Profiling	Facing	Plunging	Chamfering	page(s)
70° Lead Angle								
	E 75°	**Kenloc™**	●	●				–
63° Lead Angle								
	D 55°	**Kenloc**	●	●				B85
62,5° Lead Angle								
	D 55°	**Kenloc**	●	●	●			B86
		Kenlever	●	●	●			B88
		Screw-On	●	●				B211
60° Lead Angle								
 	T 60°	**Kenloc**	●	●	●			B133

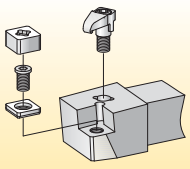
tool path	insert shape	clamping style	Turning	Profiling	Facing	Plunging	Chamfering	page(s)
50° Lead Angle								
	V 80°	**Kenloc**	●	●	●			B63
45° Lead Angle								
	C 80°	**Kenloc**	●	●	●			B60
		Kendex™	●	●	●			B66
		Screw-On	●	●	●			B192
  	S 90°	**Kenloc**	●	●	●			B109
		Kenclamp	●	●	●			B105
		Kenlever™	●	●	●			B111
		Kendex	●	●	●			–
		Screw-On	●	●	●			B233
		MTS	●	●	●			B213
	T 60°	**Kenlever**	●	●	●			B86
 	R	**Kenloc**	●	●	●			B95
		Kenclamp	●	●	●			–
		Fix-Perfect™	●	●	●			–
		Screw-On	●	●	●			B227
		MTS	●	●	●			B365

Clamping Styles



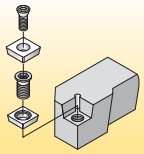
Kenclamp Style

- Uses Kenloc negative style inserts.
- Unique clamp design provides rigid clamping.
- Ensures insert repeatability and seating.
- Reduced chatter and improved tool life.



MTS Style Modular Tooling System

- Proven superior system in holding ceramic inserts rigidly in turning and profiling operations.
- Uses standard insert sizes — 80°, 75°, 55°, square, and trigon.
- This system offers the added versatility of using optional hardware to hold standard Kendex and Kenloc inserts.

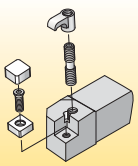


Screw-On Style

- Top clamping by screw for Screw-On inserts.

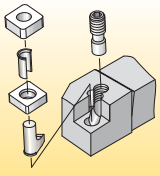
Kenloc Style

- Uses Kenloc negative style inserts.
- Lock pin and top clamp provide rigid clamping.
- Wide variety of insert styles may be used.
- Tools may be used with or without clamp.



Kendex Style

- Uses Kendex inserts.
- Chipbreaker option available for ceramic inserts.
- Wide variety of insert styles may be used.

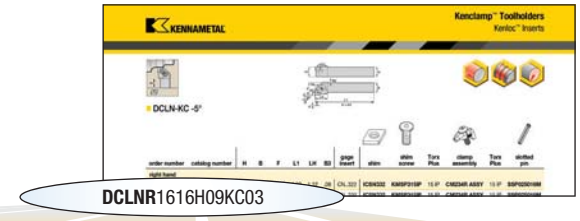


Kenlever Style

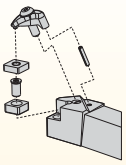
- Proven superior system for holding ceramic inserts rigidly in turning and profiling operations.
- Can be used on Kendex or Kenloc inserts using optional hardware.

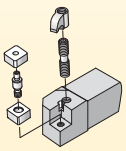
How Do Catalogue Numbers Work?

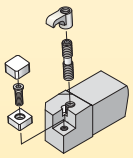
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.

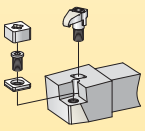


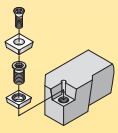
D — Insert Holding Method

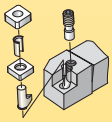
D

Kenclamp™

M

Kenloc™

C

Kendex™

N

Top Notch™ Profiling

S

Screw-On

P

Kenlever™

C — Insert Shape

A	85°
B	82°
C	80°
D	55°
E	75°
H	120°
K	55°
L	90°
M	86°
O	135°
P	108°
R	
S	90°
T	60°
V	35°
W	80°

L — Tool Style or Lead Angle

A	90°	L	95°
B	15°	M	50°
C	90°	P	107,5°
D	45°	Q	107,5°
E	60°	R	75°
F	90°	S	45°
G	90°	U	93°
H	107,5°	V	72,5°
J	93°	Y	85°
K	75°		

N — Insert Clearance Angle

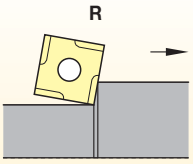
N	0°
B	5°
C	11°
P	11°
D	15°
E	20°
F	25°

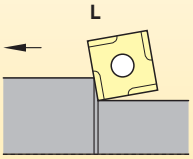
R — Hand of Tool

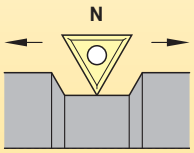
R =
Right hand

L =
Left hand

N =
Neutral







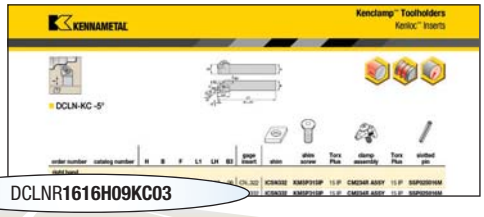
Additional Information

C =
Deep pocket for ceramic insert

S =
Single pocket locating wall

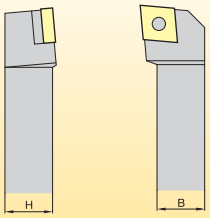
F =
Straight shank, no offset

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



DCLNR**1616H09KC03**

16	16	H	09	KC	03
Shank Dimensions		Tool Length	Insert Size	Additional Information	Insert Thickness *(optional)*



The seventh and eighth position shall be a significant two-digit number that indicates the holder cross section.

- If the dimension for the width "B" or the height "H" is represented by a one-digit number, a 0 (zero) will be used in front of it.

Example: 8,0mm = 08

L1	ISO
32	A
40	B
50	C
60	D
70	E
80	F
90	G
100	H
110	J
125	K
140	L
150	M
160	N
170	P
180	Q
200	R
250	S
300	T
350	U
400	V
450	W
500	Y
Special Design	X

KC =
Kenclamp™

H4 =
Wedgelock™ clamping system

M =
MTS clamping system for ceramic and PcBN inserts

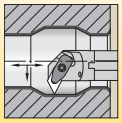
04 = 4,76mm

06 = 6,35mm

Cutting Edge Length L10

H	Hexagon 120°	
O	Octagon 135°	
P	Pentagon 108°	
S	Square 90°	
T	Triangular 60°	
R	Round —	
C	Rhomboid 80°	
D	55°	
E	75°	
M	86°	
V	35°	
W	Trigon 80° with enlarged corner angles	
L	Rectangular 90°	
A	Parallelogram 85°	
B	82°	
K	55°	

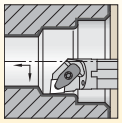
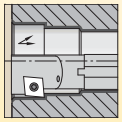
117,5° Lead Angle

tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	D 55°	Kenclamp™	•		•	B89

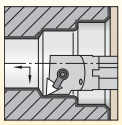
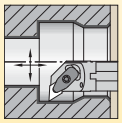
107,5° Lead Angle

tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	D 55°	Kenclamp	•	•	•	B89
		Screw-On	•	•		B212, B217
	V 35°	Screw-On	•	•	•	B268

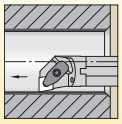
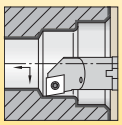
95° Lead Angle

tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	C 80°	Kenloc™	•		•	B67
		Kenclamp	•		•	B66
		Screw-on	•		•	B182, B196
		Kenlever™	•		•	B68
		MTS	•		•	B372
	E 75°	MTS	•		•	–
	T 60°	Screw-On	•		•	B250
	W 80°	Kenloc	•			B164
		Kenclamp	•		•	B163
		Kenlever	•		•	B165
		Screw-on	•		•	B271
		MTS	•		•	B374

93° Lead Angle

tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	C 55°	Kenloc	•	•	•	B90
		Kenclamp	•	•	•	B90
		Screw-on	•		•	B212, B217
		MTS	•		•	–
	V 35°	Kenloc	•		•	B153
		Kenclamp	•	•		B152
		Screw-on	•	•	•	B269
	T 60°	Kendex™	•		•	B371
	W 80°	Screw-On	•		•	B272

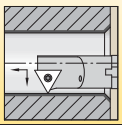
90° Lead Angle

tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	C 80°	Screw-On	•		•	B182, B194
	T 60°	Kenloc	•			B137
		Kenclamp	•		•	B137
		Kenlever	•		•	B138
		Kendex	•		•	–
		Screw-On	•			B248, B257

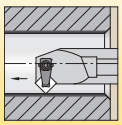
75° Lead Angle

tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	C 80°	Screw-On	•			B195
	S 90°	Kenloc	•			B114
		Kenclamp	•			B113
		Kenlever	•			B114
		Kendex	•			–
		Screw-On	•			B233
	T 60°	MTS	•			–
		Kendex	•			–

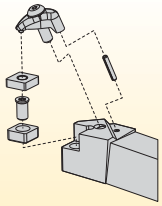
60° Lead Angle

tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	T 60°	Screw-On	•		•	–

45° Lead Angle

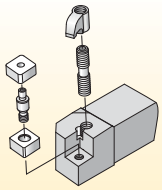
tool path	insert shape	clamping style	Boring	Back Boring	Profiling	page(s)
	S 90°	MTS	•			B373

Clamping Styles



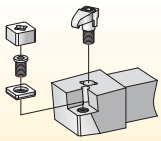
Kenclamp™ Style

- Uses Kenloc™ negative style inserts.
- Unique clamp design provides rigid clamping.
- Ensures insert repeatability and seating.
- Reduced chatter and improved tool life.



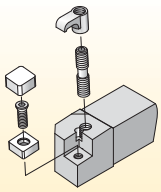
Kenloc™ Style

- Uses Kenloc™ negative style inserts.
- Lock pin and top clamp provide rigid clamping.
- Wide variety of insert styles may be used.
- Tools may be used with or without clamp.



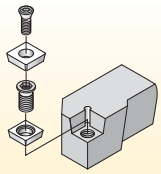
MTS Style

- Proven superior system in holding ceramic inserts rigidly in turning and profiling operations.
- Uses standard insert sizes — 80°, 75°, 55°, square, and trigon.
- This system offers the added versatility of using optional hardware to hold standard Kendex and Kenloc inserts.



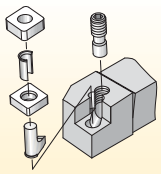
Kendex™ Style

- Uses Kendex inserts.
- Chipbreaker option available for ceramic inserts.
- Wide variety of insert styles may be used.



Screw-On Style

- Top clamping by screw for Screw-On inserts.

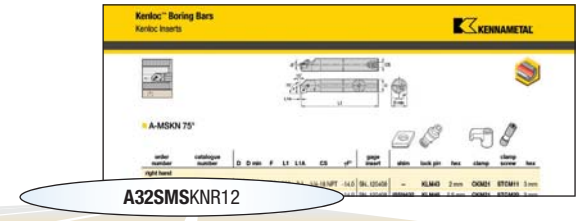


Kenlever™ Style

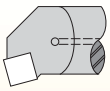
- Proven superior system for holding ceramic inserts rigidly in turning and profiling operations.
- Can be used on Kendex or Kenloc inserts using optional hardware.

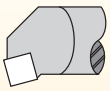
How Do Catalogue Numbers Work?

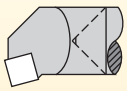
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.

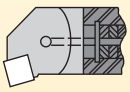


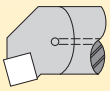
A — Bar Type

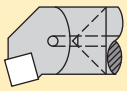
A 
Steel bar with coolant

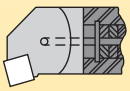
S 
Steel bar without coolant

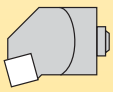
C 
Carbide bar

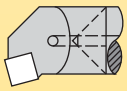
D 
DeVibrator bar with coolant

D 
Tunable bar with coolant

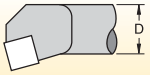
E 
Carbide bar with coolant

B 
DeVibrator

H 
Interchangeable head

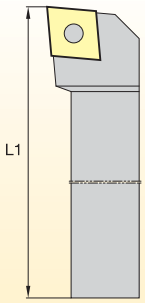
L 
Heavy metal bar with coolant

32 — Bar Diameter



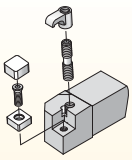
Metric:
A two-digit number indicates the bar diameter in mm.
If the diameter is represented by a one digit number, a 0 (zero) will be used in front of it.
Example: 8mm = 08

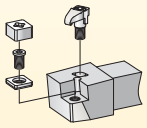
S — Bar Length**

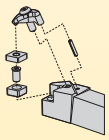


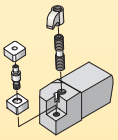
L1		ISO
32	=	A
40	=	B
50	=	C
60	=	D
70	=	E
80	=	F
90	=	G
100	=	H
110	=	J
125	=	K
140	=	L
150	=	M
160	=	N
170	=	P
180	=	Q
200	=	R
250	=	S
300	=	T
350	=	U
400	=	V
450	=	W
500	=	Y
Special Length	=	X

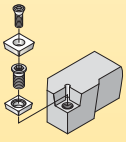
M — Insert Holding Method

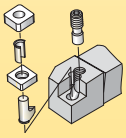
C 
Kendex™

N 
Top Notch™ Profiling

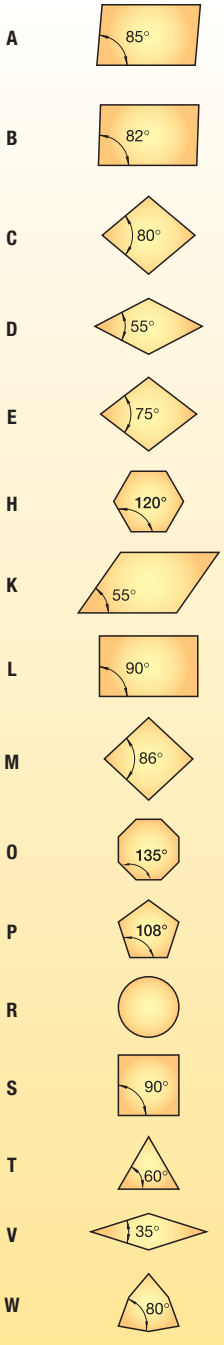
D 
Kenclamp™

M 
Kenloc™

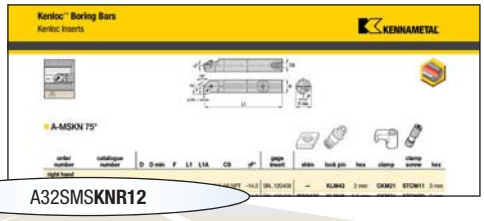
S 
Screw-On

P 
Kenlever™

S — Insert Shape



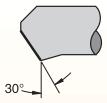
By referencing this easy-to-use guide, you can identify the correct product to meet your needs.

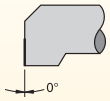


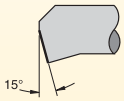
A32SMS**KNR12**

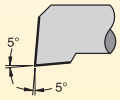
K	**N**	**R**	**12**	
Bar Style or Lead Angle	Insert Clearance Angle	Hand of Tool	Insert Size Cutting Edge Length L10	Additional Information

K – Bar Style or Lead Angle

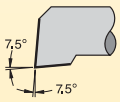
E


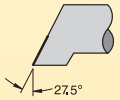
F


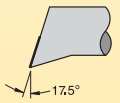
K


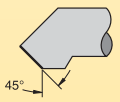
L


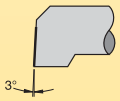
(E-style inserts)

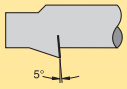
L


P


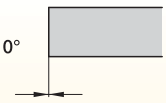
Q


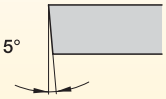
S


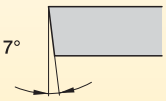
U


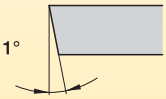
X


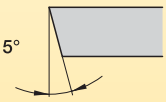
N – Insert Clearance Angle

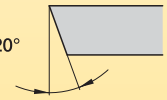
N 0°


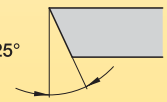
B 5°


C 7°


P 11°


D 15°


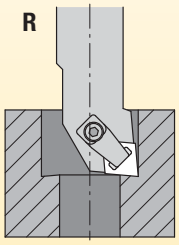
E 20°


F 25°


R – Hand of Tool

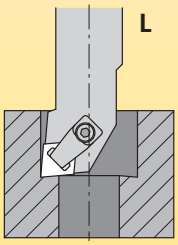
R =

Right-hand boring bar



L =

Left-hand boring bar



12 – Insert Size Cutting Edge Length L10

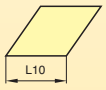
H


O

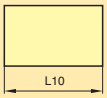

P

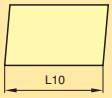

S


T


CDE M V


W


L


A B K


R


Additional Information

M... =

TNT/MTS clamping systems for ceramic and PcBN inserts

D =

Dual pocket

AP5 =

Axial positive

KC =

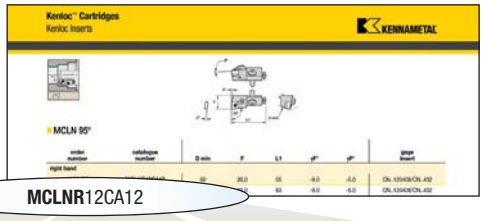
Kenclamp™

+ =

Insert Thickness

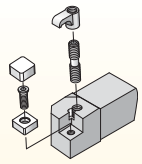
How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



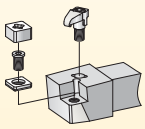
M
Insert Clamping System

C



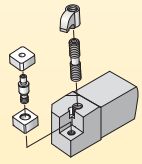
Kendex™

N



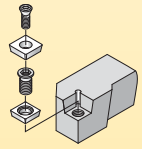
Top Notch™ Profiling

M



Kenloc™

S



Screw-On

C
Insert Shape

C 80°

D 55°

R

S 90°

T 60°

W 80°

L
Tool Style or Lead Angle

A 0°

B 15°

C 0°

D 45°

E 30°

F 0°

G 0°

H 50°

J 3°

K 15°

L 5° 5°

M 40°

P 27.5°

Q 27.5°

R 15°

S 45°

U 3°

V 17.5°

Y 5°

N
Insert Clearance Angle

N 0°

B 5°

C 7°

P 11°

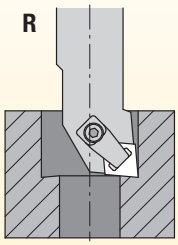
D 15°

E 20°

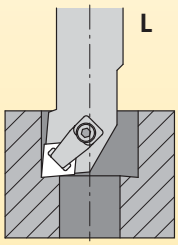
F 25°

R
Hand of Tool

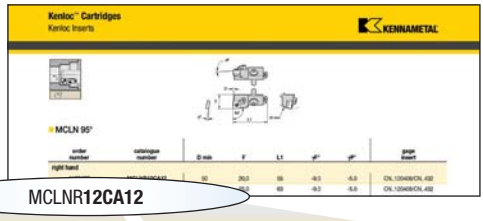
R =
Right-hand boring bar



L =
Left-hand boring bar



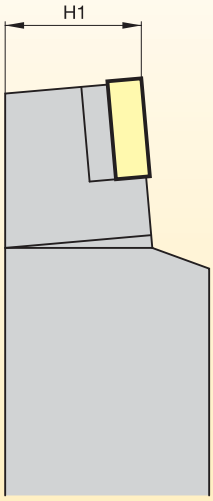
By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



MCLNR**12CA12**

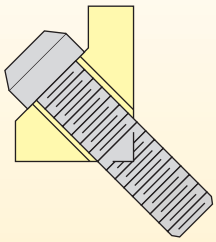
12	C	A	12
Cartridge Size	Identifying Code of Cartridge	Mounting Design of Cartridge	Insert Size

H1 = Cutting edge height of cartridge, in millimetres



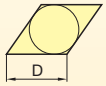
C = Cartridge

A = Angular acc. ISO 5611



Cutting edge length D

C


D


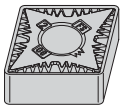
R

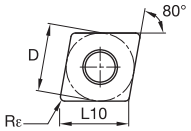

S


T


W

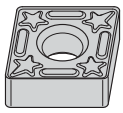

● first choice
○ alternate choice

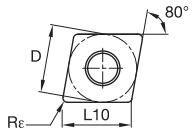




CNGG-FS

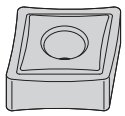
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P ●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
				M								○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
				K ○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
				N																							●	●	●	●	●	●	●	
				S																							●	●	●	●	●	●		
				H																														
CNGG120401FS	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–
CNGG120402FS	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
CNGG120404FS	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
CNGG120408FS	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–

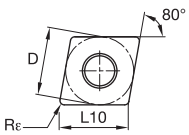




CNGG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNGG120401LF	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
CNGG120402LF	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
CNGG120404LF	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
CNGG120408LF	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
CNGG120412LF	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–



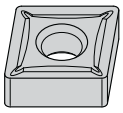


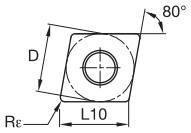
CNGP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNGP120401	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–
CNGP120402	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–
CNGP120404	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	●	–
CNGP120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	●	–
CNGP120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	●	–
CNGP120416	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

NOTE: Indexable Inserts for P-clamping.

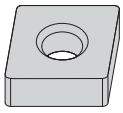
● first choice
○ alternate choice

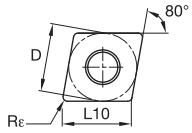




CNGP-K

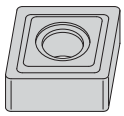
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
CNGP120408K	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
CNGP160612K	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

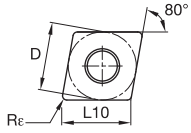




CNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMA120404	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMA120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA120416	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA160608	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA160612	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA160616	15,88	16,12	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA190612	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMA190616	19,05	19,34	1,6	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

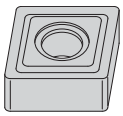


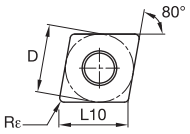


CNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120404B	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMG120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●	–	–	–
CNMG120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMG190612	19,05	19,34	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
CNMG190616	19,05	19,34	1,6	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG250924	25,40	25,79	2,4	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

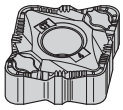
● first choice
○ alternate choice

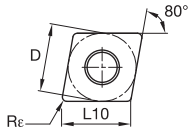




CNMG-33

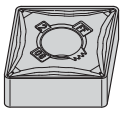
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG12040833	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●

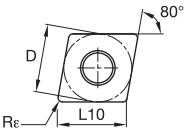




CNMG-CT

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120408CT	12,70	12,90	0,8	–	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
CNMG120412CT	12,70	12,90	1,2	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120416CT	12,70	12,90	1,6	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

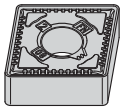


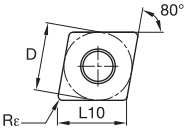


CNMG-FF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG090304FF	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
CNMG090308FF	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
CNMG120404FF	12,70	12,90	0,4	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	●	–	–	●
CNMG120408FF	12,70	12,90	0,8	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	●	–	–	●

● first choice
○ alternate choice

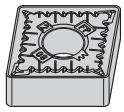


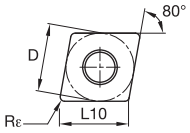


CNMG-FN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG090304FN	9,53	9,67	0,4	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
CNMG090308FN	9,53	9,67	0,8	–	–	●	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120402FN	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
CNMG120404FN	12,70	12,90	0,4	–	●	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
CNMG120408FN	12,70	12,90	0,8	–	●	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
CNMG120412FN	12,70	12,90	1,2	–	–	●	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
CNMG120416FN	12,70	12,90	1,6	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

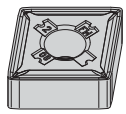
NOTE: Indexable Inserts for P-clamping.

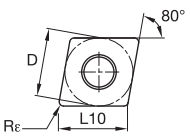




CNMG-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120404FP	12,70	12,90	0,4	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	●	–	–	●
CNMG120408FP	12,70	12,90	0,8	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	●	–	–	●
CNMG120412FP	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–

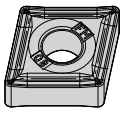


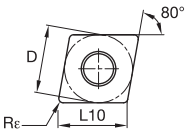


CNMG-FW

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120404FW	12,70	12,90	0,4	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
CNMG120408FW	12,70	12,90	0,8	●	●	●	●	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	●	–	●	–	–	●
CNMG120412FW	12,70	12,90	1,2	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●

● first choice
○ alternate choice

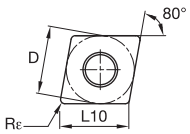




CNMG-FM

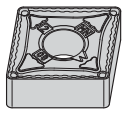
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
CNMG120412FM	12,70	12,90	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

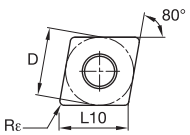




CNMG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120402LF	12,70	12,90	0,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120404LF	12,70	12,90	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120408LF	12,70	12,90	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



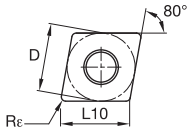


CNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG090304MN	9,53	9,67	0,4	–	–	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG090308MN	9,53	9,67	0,8	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG090312MN	9,53	9,67	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120404MN	12,70	12,90	0,4	–	–	●	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120408MN	12,70	12,90	0,8	●	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
CNMG120412MN	12,70	12,90	1,2	–	●	●	●	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120416MN	12,70	12,90	1,6	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160608MN	15,88	16,12	0,8	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612MN	15,88	16,12	1,2	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160616MN	15,88	16,12	1,6	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190608MN	19,05	19,34	0,8	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612MN	19,05	19,34	1,2	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190616MN	19,05	19,34	1,6	–	–	●	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190624MN	19,05	19,34	2,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

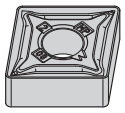
● first choice
○ alternate choice

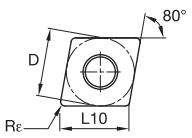




CNMU-MN

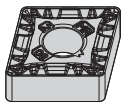
				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
ISO catalogue number	D	L10	Rε																															
CNMU120612MN	12,70	12,90	1,2	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMU120616MN	12,70	12,90	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

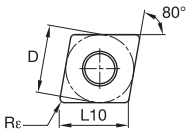




CNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG090308MP	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	●	–	●	–	–	–
CNMG120404MP	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	●	–	–	–	●	–	●	–	–	–
CNMG120408MP	12,70	12,90	0,8	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	●	–	–	–	●	●	●	●	–	–
CNMG120412MP	12,70	12,90	1,2	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–	–	–	●	●	●	–	–	–
CNMG120416MP	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–
CNMG160608MP	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	–	–	–	●	–	●	–	–	–
CNMG160612MP	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	●	●	●	–	–	–
CNMG160616MP	15,88	16,12	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–
CNMG190608MP	19,05	19,34	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–	–	–	–	●	–	–	–
CNMG190612MP	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	●	●	–	–	–
CNMG190616MP	19,05	19,34	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	●	–	–	–

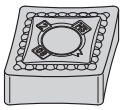


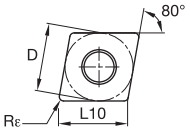


CNMG-MR

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120404MR	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120408MR	12,70	12,90	0,8	–	–	●	–	●	–	●	–	–	●	–	–	●	–	–	–	●	●	●	●	–	●	●	–	–	●	–	–	–	–	–
CNMG120412MR	12,70	12,90	1,2	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	–	●	●	●	●	–	●	●	–	–	●	–	–	–	–	–
CNMG120416MR	12,70	12,90	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160608MR	15,88	16,12	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612MR	15,88	16,12	1,2	–	–	●	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160616MR	15,88	16,12	1,6	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612MR	19,05	19,34	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–
CNMG190616MR	19,05	19,34	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

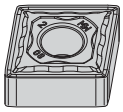
● first choice
○ alternate choice

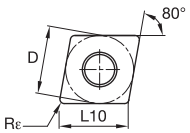




CNMG-MS

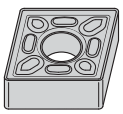
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
CNMG120401MS	12,70	12,90	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
CNMG120402MS	12,70	12,90	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
CNMG120404MS	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
CNMG120408MS	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
CNMG120412MS	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
CNMG120416MS	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
CNMG160608MS	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
CNMG160612MS	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
CNMG190608MS	19,05	19,34	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
CNMG190612MS	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
CNMG190616MS	19,05	19,34	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–

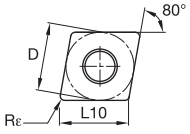




CNMG-MW

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120408MW	12,70	12,90	0,8	–	●	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120412MW	12,70	12,90	1,2	–	●	●	●	●	●	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–

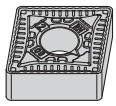


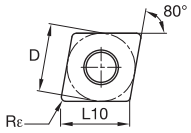


CNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120404P	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
CNMG120408P	12,70	12,90	0,8	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	●	–	●	–	–	–
CNMG120412P	12,70	12,90	1,2	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
CNMG190612P	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

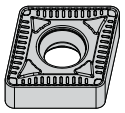
● first choice
○ alternate choice

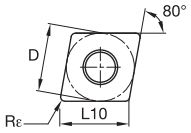




CNMG-RN

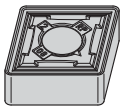
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
CNMG120408RN	12,70	12,90	0,8	–	●	●	●	●	●	●	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120412RN	12,70	12,90	1,2	–	–	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
CNMG120416RN	12,70	12,90	1,6	–	–	●	●	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160608RN	15,88	16,12	0,8	–	–	●	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612RN	15,88	16,12	1,2	–	–	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
CNMG160616RN	15,88	16,12	1,6	–	–	●	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
CNMG190608RN	19,05	19,34	0,8	–	–	●	–	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612RN	19,05	19,34	1,2	–	–	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190616RN	19,05	19,34	1,6	–	–	●	–	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
CNMG190624RN	19,05	19,34	2,4	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

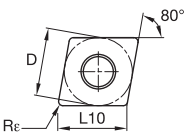




CNMU-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMU120412RN	12,70	12,90	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

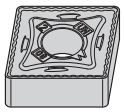


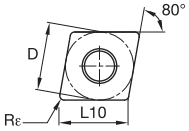


CNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120404RP	12,70	12,90	0,4	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	●	●	–	–
CNMG120408RP	12,70	12,90	0,8	●	●	●	●	●	●	●	●	–	●	–	●	●	●	●	●	●	●	●	●	●	●	–	–	●	●	●	●	–	–
CNMG120412RP	12,70	12,90	1,2	–	●	●	●	●	●	●	●	●	●	–	●	●	●	●	●	●	–	●	●	●	●	●	–	–	●	●	●	●	–	–
CNMG120416RP	12,70	12,90	1,6	–	–	●	●	●	●	–	–	–	–	–	–	–	●	–	●	–	–	●	●	–	●	–	–	–	●	●	●	–	–	–
CNMG160608RP	15,88	16,12	0,8	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–
CNMG160612RP	15,88	16,12	1,2	–	–	●	●	●	●	–	●	●	●	–	●	–	●	●	●	●	–	●	●	●	●	●	–	–	●	●	●	●	–	–
CNMG160616RP	15,88	16,12	1,6	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	–	●	–	–	–	●	–	●	–	–
CNMG190612RP	19,05	19,34	1,2	–	–	●	–	●	●	–	●	●	–	–	–	–	●	–	–	–	–	●	●	–	●	–	–	–	●	●	●	●	–	–
CNMG190616RP	19,05	19,34	1,6	–	–	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	●	●	–	●	●	–	–	●	●	–	–	–	–

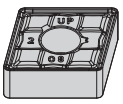
● first choice
○ alternate choice

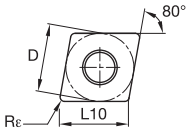




CNMG-UN

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
			P	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
			M									○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
			K	○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
			N																								●	●	●	●	●	●	●	
			S																								●	●	●	●	●	●		
			H																															
ISO catalogue number	D	L10	Rε																															
CNMG120404UN	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120408UN	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120412UN	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120416UN	12,70	12,90	1,6	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160608UN	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612UN	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160616UN	15,88	16,12	1,6	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190608UN	19,05	19,34	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612UN	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190616UN	19,05	19,34	1,6	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

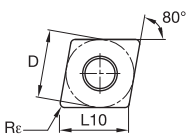




CNMG-UP

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
CNMG120404UP	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–	–	–	–	●	–	–	–
CNMG120408UP	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	●	–	–	–	●	–	●	–	–	–
CNMG120412UP	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	●	–	–	–
CNMG160608UP	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–
CNMG160612UP	15,88	16,12	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	●	–	–	–	–	–
CNMG190612UP	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–
CNMG190616UP	19,05	19,34	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–

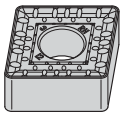


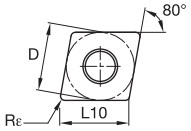


CNMM-MR

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
CNMM120408MR	12,70	12,90	0,8	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160612MR	15,88	16,12	1,2	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160616MR	15,88	16,12	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190616MR	19,05	19,34	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

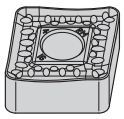
● first choice
○ alternate choice

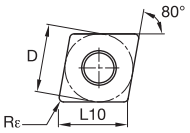




CNMM-RH

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P	P ●
				M	M	M	M	M	M	M	M	M ○	M ○	M	M	M	M	M	M	M ●	M ●	M ●	M ●	M ●	M ●	M	M ●	M ●	M ●	M ●	M ●	M ●	M	M ●
				K ○	K ○	K ○	K ○	K ○	K ○	K	K	K	K	K ●	K ●	K ●	K ●	K ●	K ●	K	K	K	K	K	K	K ●	K ●	K ●	K ●	K ●	K ●	K ●	K	K ●
				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N ●	N ●	N ●	N ●	N ●	N ●	N ●	N
				S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S ●	S ●	S ●	S ●	S ●	S ●	S	S
				H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
CNMM190612RH	19,05	19,34	1,2	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190616RH	19,05	19,34	1,6	–	–	●	–	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190624RH	19,05	19,34	2,4	–	–	●	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM250924RH	25,40	25,79	2,4	–	–	–	●	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

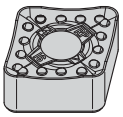


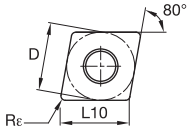


CNMM-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMM120408RM	12,70	12,90	0,8	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM120412RM	12,70	12,90	1,2	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160612RM	15,88	16,12	1,2	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160616RM	15,88	16,12	1,6	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160624RM	15,88	16,12	2,4	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190612RM	19,05	19,34	1,2	–	–	–	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190616RM	19,05	19,34	1,6	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190624RM	19,05	19,34	2,4	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM250924RM	25,40	25,79	2,4	–	–	–	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

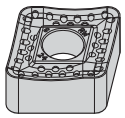
● first choice
○ alternate choice

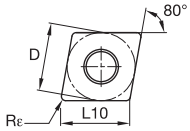




CNMM-RP

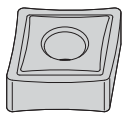
				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
ISO catalogue number	D	L10	Rε																															
CNMM120408RP	12,70	12,90	0,8	–	●	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–
CNMM120412RP	12,70	12,90	1,2	–	–	●	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM120416RP	12,70	12,90	1,6	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160608RP	15,88	16,12	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160612RP	15,88	16,12	1,2	–	–	●	●	–	●	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMM160616RP	15,88	16,12	1,6	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–
CNMM160624RP	15,88	16,12	2,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190612RP	19,05	19,34	1,2	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190616RP	19,05	19,34	1,6	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMM190624RP	19,05	19,34	2,4	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
CNMM250924RP	25,40	25,79	2,4	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

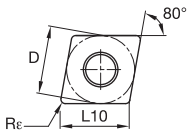




CNMM-RW

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
CNMM190624RW	19,05	19,34	2,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMM250924RW	25,40	25,79	2,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

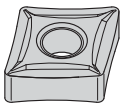


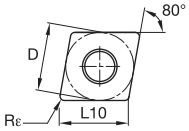


CNMP

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
CNMP120404	12,70	12,90	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	●	–
CNMP120408	12,70	12,90	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	●	–
CNMP120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CNMP160608	15,88	16,12	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMP190612	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

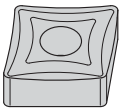
● first choice
○ alternate choice

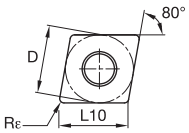




CNMP-K

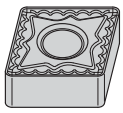
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
CNMP120404K	12,70	12,90	0,4	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMP120408K	12,70	12,90	0,8	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

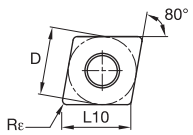




CNMS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMS120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–
CNMS160608	15,88	16,12	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
CNMS190608	19,05	19,34	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–
CNMS190612	19,05	19,34	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

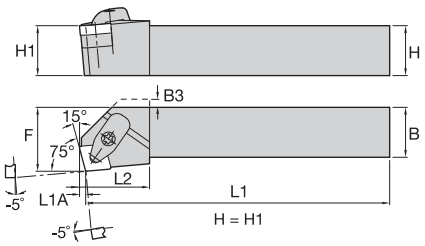


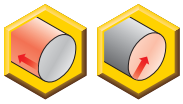


CNMG-MG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
CNMG120408MG	12,70	12,90	0,8	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
CNMG120412MG	12,70	12,90	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG120416MG	12,70	12,90	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160612MG	15,88	16,12	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG160616MG	15,88	16,12	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG190612MG	19,05	19,34	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



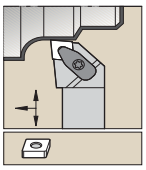


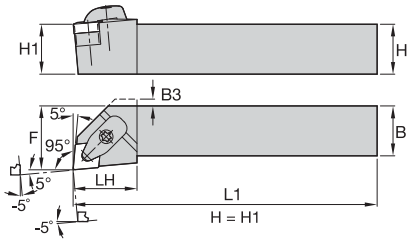


DCKN-KC 75°



order number	catalogue number	H	B	F	L1	LH	L1A	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
2273083	**DCKNR2020K12KC04**	20	20	25,0	125	32,0	3,1	6,0	CN..120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
1875200	**DCKNR2525M12KC04**	25	25	32,0	150	32,0	3,1	–	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
2273084	**DCKNR3225P12KC04**	32	25	32,0	170	32,0	3,1	–	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
2273085	**DCKNR3232P16KC06**	32	32	40,0	170	32,0	3,8	–	CN..160612	**ICSN543**	**KMSP515IP**	15 IP	**CM209R ASSY**	15 IP	**SSP025016M**	**KLM58L15IP**
left hand																
2273087	**DCKNL2020K12KC04**	20	20	25,0	125	32,0	3,1	6,0	CN..120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
1875204	**DCKNL2525M12KC04**	25	25	32,0	150	32,0	3,1	–	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
2273088	**DCKNL3225P12KC04**	32	25	32,0	170	32,0	3,1	–	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**





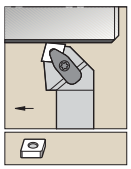
DCLN-KC 95°

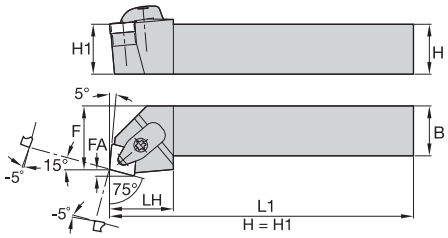


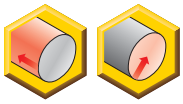




order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
2417296	**DCLNR1616H09KC03**	16	16	20,0	100	30,0	6,0	CN..090308	**ICSN332**	**KMSP315IP**	9 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1875199	**DCLNR2020K12KC04**	20	20	25,0	125	32,0	4,0	CN..120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
1875193	**DCLNR2525M12KC04**	25	25	32,0	150	32,0	—	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875212	**DCLNR2525M16KC06**	25	25	32,0	150	33,0	—	CN..160612	**ICSN543**	**KMSP515IP**	15 IP	**CM209R ASSY**	15 IP	**SSP025016M**	**KLM58L15IP**
1875223	**DCLNR3225P12KC04**	32	25	32,0	170	32,0	—	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875232	**DCLNR3225P16KC06**	32	25	32,0	170	33,0	—	CN..160612	**ICSN543**	**KMSP515IP**	15 IP	**CM209R ASSY**	15 IP	**SSP025016M**	**KLM58L15IP**
1875224	**DCLNR3232P16KC06**	32	32	40,0	170	33,0	—	CN..160612	**ICSN543**	**KMSP515IP**	15 IP	**CM209R ASSY**	15 IP	**SSP025016M**	**KLM58L15IP**
2273091	**DCLNR3232P19KC06**	32	32	40,0	170	40,0	—	CN..190612	**ICSN643**	**KMSP625IP**	25 IP	**CM210R ASSY**	25 IP	**SSP025016M**	**KLM68L25IP**
2273092	**DCLNR4040S19KC06**	40	40	50,0	250	40,0	—	CN..190612	**ICSN643**	**KMSP625IP**	25 IP	**CM210R ASSY**	25 IP	**SSP025016M**	**KLM68L25IP**
left hand															
1875194	**DCLNL2020K12KC04**	20	20	25,0	125	32,0	4,0	CN..120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
1875196	**DCLNL2525M12KC04**	25	25	32,0	150	32,0	—	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875205	**DCLNL2525M16KC06**	25	25	32,0	150	33,0	—	CN..160612	**ICSN543**	**KMSP515IP**	15 IP	**CM209R ASSY**	15 IP	**SSP025016M**	**KLM58L15IP**
1875231	**DCLNL3225P12KC04**	32	25	32,0	170	32,0	—	CN..120408	**ICSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875230	**DCLNL3225P16KC06**	32	25	32,0	170	33,0	—	CN..160612	**ICSN543**	**KMSP515IP**	15 IP	**CM209R ASSY**	15 IP	**SSP025016M**	**KLM58L15IP**
1875225	**DCLNL3232P16KC06**	32	32	40,0	170	33,0	—	CN..160612	**ICSN543**	**KMSP515IP**	15 IP	**CM209R ASSY**	15 IP	**SSP025016M**	**KLM58L15IP**
2273093	**DCLNL3232P19KC06**	32	32	40,0	170	40,0	—	CN..190612	**ICSN643**	**KMSP625IP**	25 IP	**CM210R ASSY**	25 IP	**SSP025016M**	**KLM68L25IP**
2273094	**DCLNL4040S19KC06**	40	40	50,0	250	40,0	—	CN..190612	**ICSN643**	**KMSP625IP**	25 IP	**CM210R ASSY**	25 IP	**SSP025016M**	**KLM68L25IP**





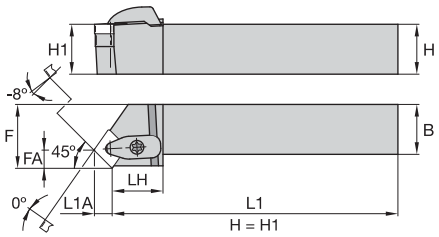


DCRN-KC 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
1875226	DCRNR2020K12KC04	20	20	25,0	125	32,0	3,3	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
1875201	DCRNR2525M12KC04	25	25	32,0	150	32,0	3,3	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
2273095	DCRNR3225P12KC04	32	25	32,0	170	32,0	3,3	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
2273097	DCRNR3232P19KC06	32	32	40,0	170	38,0	4,9	CN..190612	ICSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
left hand															
1875206	DCRNL2525M12KC04	25	25	32,0	150	32,0	3,3	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
2273099	DCRNL3232P16KC06	32	32	40,0	170	38,0	4,1	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP



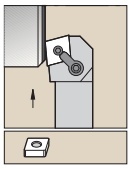


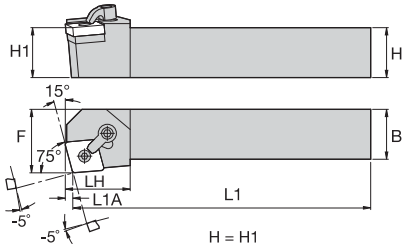


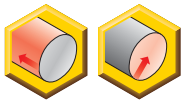
DCSN-KC 45°



order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
2273101	DCSNR2020K12KC04	20	20	25,0	125	35,0	8,2	8,5	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
2273102	DCSNR2525M12KC04	25	25	32,0	150	35,0	8,2	8,5	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
left hand																
2273104	DCSNL2525M12KC04	25	25	32,0	150	35,0	8,2	8,5	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP



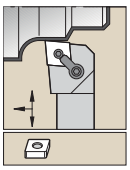


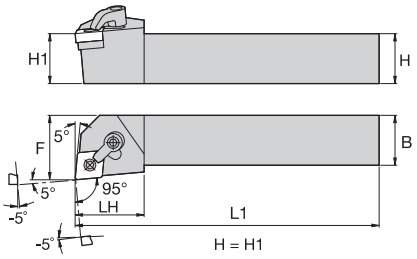


MCKN 75°



order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand														
1102236	**MCKNR2525M12**	25	25	32,0	150	32,0	3,1	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102237	**MCKNR3225P12**	32	25	32,0	170	32,0	3,1	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102240	**MCKNR3225P16**	32	25	32,0	170	33,0	3,6	CN..160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
left hand														
1102729	**MCKNL2525M12**	25	25	32,0	150	32,0	3,1	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1099253	**MCKNL3225P16**	32	25	32,0	170	33,0	3,6	CN..160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1102728	**MCKNL3232P19**	32	32	40,0	170	38,0	4,4	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm



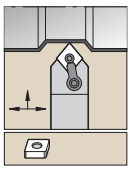


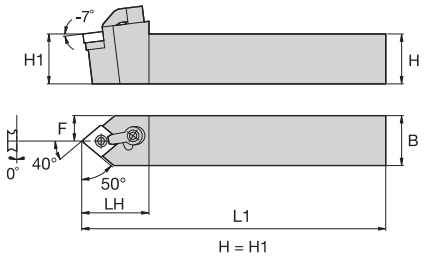


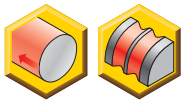
MCLN 95°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1100939	**MCLNR1616H09**	16	16	20,0	100	25,0	CN..090308	–	**KLM33**	2 mm	**CKM6**	**STCM5**	2.5 mm
1101710	**MCLNR1616H12**	16	16	20,0	100	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1099132	**MCLNR2020K09**	20	20	25,0	125	25,0	CN..090308	**ICSN332**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
1099133	**MCLNR2020K12**	20	20	25,0	125	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1100943	**MCLNR2525M09**	25	25	32,0	150	25,0	CN..090308	**ICSN332**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
1101711	**MCLNR2525M12**	25	25	32,0	150	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1101641	**MCLNR2525M16**	25	25	32,0	150	33,0	CNMA160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1101704	**MCLNR2525M19**	25	25	32,0	150	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1101712	**MCLNR3225P12**	32	25	32,0	170	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1101642	**MCLNR3225P16**	32	25	32,0	170	33,0	CN..160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1101705	**MCLNR3225P19**	32	25	32,0	170	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
3595785	**MCLNR3232P12**	32	32	40,5	171	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
3595787	**MCLNR3232P16**	32	32	40,5	171	33,0	CN..160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1101706	**MCLNR3232P19**	32	32	40,0	170	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1101707	**MCLNR4040R19**	40	40	50,0	200	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
left hand													
1100938	**MCLNL1616H09**	16	16	20,0	100	25,0	CN..090308	–	**KLM33**	2 mm	**CKM6**	**STCM5**	2.5 mm
1102539	**MCLNL1616H12**	16	16	20,0	100	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102540	**MCLNL2020K12**	20	20	25,0	125	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102541	**MCLNL2525M12**	25	25	32,0	150	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102440	**MCLNL2525M16**	25	25	32,0	150	33,0	CNMA160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1102534	**MCLNL2525M19**	25	25	32,0	150	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1102542	**MCLNL3225P12**	32	25	32,0	170	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102442	**MCLNL3225P16**	32	25	32,0	170	33,0	CN..160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1102535	**MCLNL3225P19**	32	25	32,0	170	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
3595786	**MCLNL3232P12**	32	32	40,5	171	32,0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
3595788	**MCLNL3232P16**	32	32	40,5	171	33,0	CN..160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1102536	**MCLNL3232P19**	32	32	40,0	170	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1102537	**MCLNL4040R19**	40	40	50,0	200	38,0	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm



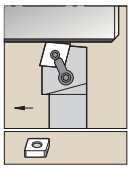


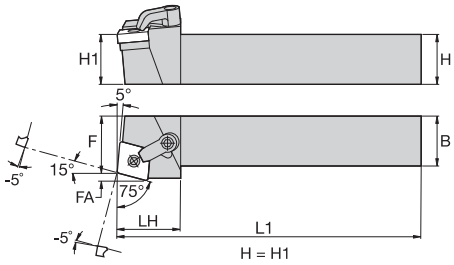


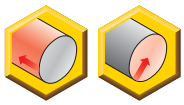
MCMN 50°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
1101708	MCMNN2020K12	61	20	10,0	125	32,0	CN..120408	ICSN432	KLM46	2.5 mm	CKM21	STCM20	3 mm
1101709	MCMNN2525M12	86	25	12,9	150	32,0	CN..120408	ICSN432	KLM46	2.5 mm	CKM21	STCM20	3 mm
1102538	MCMNN3225P16	94	32	12,9	170	38,0	CN..160612	ICSN533	KLM58	3 mm	CKM21	STCM20	3 mm
1102239	MCMNN4040R19	117	40	20,0	200	42,0	CN..190612	ICSN633	KLM68	4 mm	CKM12	STCM4	4 mm



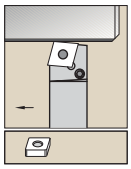


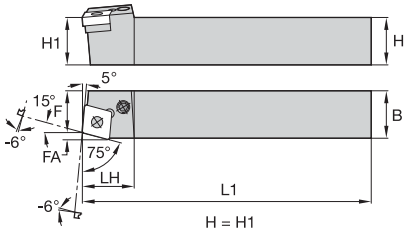


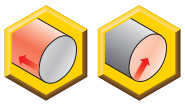
MCRN 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand														
1101638	MCRNR2020K12	20	20	25,0	125	32,0	3,3	CN..120408	ICSN432	KLM46	2.5 mm	CKM21	STCM20	3 mm
1101639	MCRNR2525M12	25	25	32,0	150	32,0	3,3	CN..120408	ICSN432	KLM46	2.5 mm	CKM21	STCM20	3 mm
1101640	MCRNR3225P12	32	25	32,0	170	32,0	3,3	CN..120408	ICSN432	KLM46	2.5 mm	CKM21	STCM20	3 mm
1102732	MCRNR3232P16	32	32	32,0	170	33,0	4,2	CN..160612	ICSN533	KLM58	3 mm	CKM21	STCM20	3 mm
1101643	MCRNR3232P19	32	32	40,0	170	38,0	4,6	CN..190612	ICSN633	KLM68	4 mm	CKM12	STCM4	4 mm
left hand														
1102437	MCRNL2525M12	25	25	32,0	150	32,0	3,3	CN..120408	ICSN432	KLM46	2.5 mm	CKM21	STCM20	3 mm
1102439	MCRNL3225P12	32	25	32,0	170	32,0	3,3	CN..120408	ICSN432	KLM46	2.5 mm	CKM21	STCM20	3 mm
1102241	MCRNL3232P16	32	32	32,0	170	33,0	4,2	CN..160612	ICSN533	KLM58	3 mm	CKM21	STCM20	3 mm
1102443	MCRNL3232P19	32	32	40,0	170	38,0	4,6	CN..190612	ICSN633	KLM68	4 mm	CKM12	STCM4	4 mm



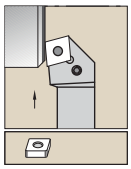


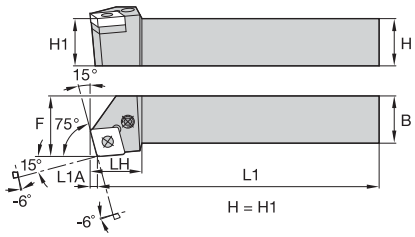


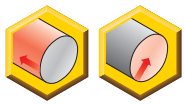
PCBN 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand														
1244779	**PCBNR2525M12**	25	25	22,0	150	26,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244635	**PCBNR2525M16**	25	25	22,0	150	28,0	4,2	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244636	**PCBNR3225P12**	32	25	22,0	170	28,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244637	**PCBNR3225P16**	32	25	22,0	170	28,0	4,2	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244638	**PCBNR3232P16**	32	32	27,0	170	38,0	4,2	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244795	**PCBNR3232P19**	32	32	27,0	170	38,0	4,6	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1192373	**PCBNR4040S19**	40	40	35,0	250	38,0	4,6	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
left hand														
1244630	**PCBNL2020K12**	20	20	17,0	125	26,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244859	**PCBNL2525M12**	25	25	22,0	150	26,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244631	**PCBNL2525M16**	25	25	22,0	150	28,0	4,2	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244794	**PCBNL3232P16**	32	32	27,0	170	38,0	4,2	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244633	**PCBNL3232P19**	32	32	27,0	170	38,0	4,6	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1192372	**PCBNL4040S19**	40	40	35,0	250	38,0	4,6	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP



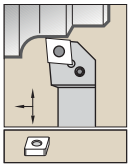


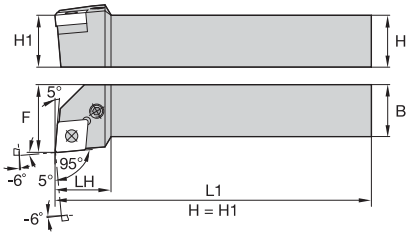


PCKN 75°



order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand														
1244649	**PCKNR2020K12**	20	20	25,0	125	23,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244797	**PCKNR2525M12**	25	25	32,0	150	23,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244775	**PCKNR2525M16**	25	25	32,0	150	30,0	3,8	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244650	**PCKNR3225P12**	32	25	32,0	170	26,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244776	**PCKNR3225P16**	32	25	32,0	170	30,0	3,8	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244798	**PCKNR3232P19**	32	32	40,0	170	37,5	4,6	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
left hand														
1244646	**PCKNL2020K12**	20	20	25,0	125	23,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244780	**PCKNL2525M12**	25	25	32,0	150	23,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244647	**PCKNL3225P12**	32	25	32,0	170	26,0	3,1	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244777	**PCKNL3225P16**	32	25	32,0	170	30,0	3,8	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244648	**PCKNL3232P19**	32	32	40,0	170	37,5	4,6	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP



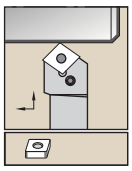


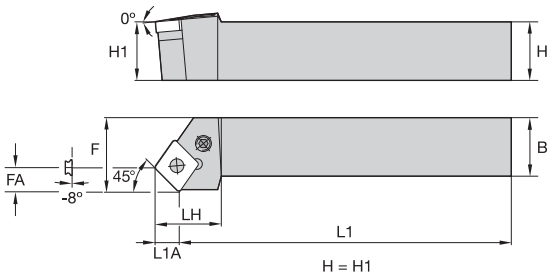


PCLN 95°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand													
1244809	**PCLNR1616H12**	16	16	20,0	100	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244810	**PCLNR2020K12**	20	20	25,0	125	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1108097	**PCLNR2525M12**	25	25	32,0	150	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1192378	**PCLNR2525M16**	25	25	32,0	150	28,0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244652	**PCLNR2525M19**	25	25	32,0	150	36,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1244811	**PCLNR3225P12**	32	25	32,0	170	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244812	**PCLNR3225P16**	32	25	32,0	170	38,0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244653	**PCLNR3225P19**	32	25	32,0	170	38,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1236864	**PCLNR3232P16**	32	32	40,0	170	36,0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244813	**PCLNR3232P19**	32	32	40,0	170	36,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1192379	**PCLNR4040S19**	40	40	50,0	250	36,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
left hand													
1244799	**PCLNL1616H12**	16	16	20,0	100	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1156962	**PCLNL2020K12**	20	20	25,0	125	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1192375	**PCLNL2525M12**	25	25	32,0	150	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1192376	**PCLNL2525M16**	25	25	32,0	150	28,0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244800	**PCLNL2525M19**	25	25	32,0	150	36,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1244858	**PCLNL3225P12**	32	25	32,0	170	26,0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244802	**PCLNL3225P16**	32	25	32,0	170	38,0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244803	**PCLNL3225P19**	32	25	32,0	170	38,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1244804	**PCLNL3232P16**	32	32	40,0	170	36,0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244805	**PCLNL3232P19**	32	32	40,0	170	36,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1192377	**PCLNL4040S19**	40	40	50,0	250	36,0	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP





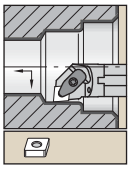


PCSN 45°

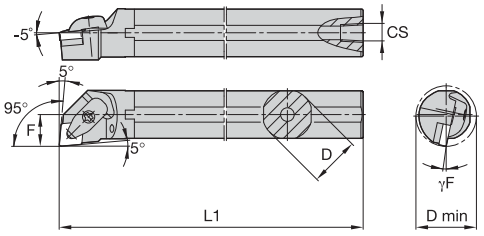


order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand															
1244656	**PCSNR2020K12**	20	20	25,0	125	26,0	8,3	8,5	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244818	**PCSNR2525M12**	25	25	32,0	150	28,0	8,3	8,5	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244657	**PCSNR3225P12**	32	25	32,0	170	29,0	8,3	8,5	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244819	**PCSNR3232P19**	32	32	40,0	170	37,5	12,5	12,7	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
left hand															
1244654	**PCSNL2020K12**	20	20	25,0	125	26,0	8,3	8,5	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244655	**PCSNL2525M12**	25	25	32,0	150	28,0	8,3	8,5	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1284109	**PCSNL3225P12**	32	25	32,0	170	29,0	8,3	8,5	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244817	**PCSNL3232P19**	32	32	40,0	170	37,5	12,5	12,7	CN..190612	**512.123**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP

Kenclamp™ Boring Bars



Steel shank with through coolant.

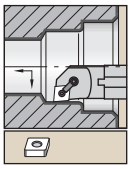




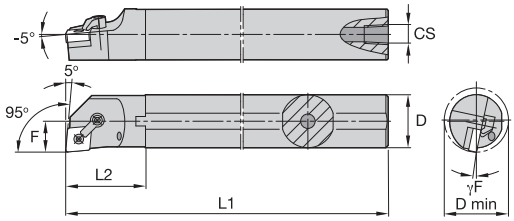
A-DCLN-KC 95°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
2441867	**A25RDCLNR12KC04**	25	32,0	17,0	200	1/4-18 NPT	-12.0	CN.120408	**–**	**–**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441931	**A32SDCLNR12KC04**	32	40,0	22,0	250	1/4-18 NPT	-12.0	CN.120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441933	**A40TDCLNR12KC04**	40	50,0	27,0	300	1/4-18 NPT	-9.0	CN..120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
left hand														
2441930	**A25RDCLNL12KC04**	25	32,0	17,0	200	1/4-18 NPT	-12.0	CN.120408	**–**	**–**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441932	**A32SDCLNL12KC04**	32	40,0	22,0	250	1/4-18 NPT	-12.0	CN.120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441934	**A40TDCLNL12KC04**	40	50,0	27,0	300	1/4-18 NPT	-9.0	CN.120408	**ICSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441938	**A40TDCLNL16KC06**	40	50,0	27,0	300	1/4-18 NPT	-12.0	CN..160612	**ICSN533**	**KMSP515IP**	15 IP	**CM209R ASSY**	**SSP025018M**	15 IP



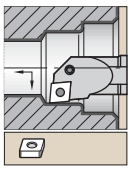
Steel shank with through coolant.



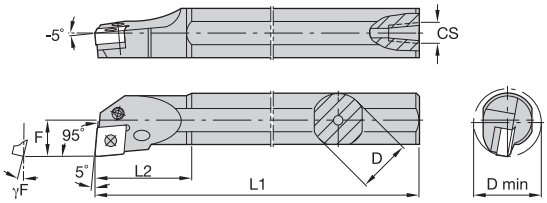
A-MCLN 95°



order number	catalogue number	D	D min	F	L1	L2	CS	γF°	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand															
1098767	**A25RMCLNR09**	25	32,0	17,0	200	40,0	1/4-18 NPT	-12.0	CN..090308	**–**	**KLM33**	2 mm	**CKM6**	**STCM5**	2.5 mm
1098088	**A25RMCLNR12**	25	32,0	17,0	200	33,0	1/4-18 NPT	-12.0	CN..120408	**–**	**KLM43**	2 mm	**CKM21**	**STCM11**	3 mm
1098090	**A32SMCLNR12**	32	40,0	22,0	250	–	1/4-18 NPT	-12.0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098092	**A40TMCLNR12**	40	50,0	27,0	300	–	1/4-18 NPT	-12.0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098096	**A40TMCLNR16**	40	50,0	27,0	300	–	1/4-18 NPT	-11.0	CN..160612	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1098094	**A50UMCLNR12**	50	63,0	35,0	350	–	1/4-18 NPT	-12.0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098098	**A50UMCLNR16**	50	63,0	35,0	350	–	1/4-18 NPT	-12.0	CN..160608	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1098100	**A50UMCLNR19**	50	63,0	35,0	350	–	1/4-18 NPT	-12.0	CN..190608	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
left hand															
1098089	**A25RMCLNL12**	25	32,0	17,0	200	33,0	1/4-18 NPT	-12.0	CN..120408	**–**	**KLM43**	2 mm	**CKM21**	**STCM11**	3 mm
1098091	**A32SMCLNL12**	32	40,0	22,0	250	–	1/4-18 NPT	-12.0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098093	**A40TMCLNL12**	40	50,0	27,0	300	–	1/4-18 NPT	-12.0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098097	**A40TMCLNL16**	40	50,0	27,0	300	–	1/4-18 NPT	-11.0	CN..160608	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1098095	**A50UMCLNL12**	50	63,0	35,0	350	–	1/4-18 NPT	-7.0	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098099	**A50UMCLNL16**	50	63,0	35,0	350	–	1/4-18 NPT	-12.0	CN..160608	**ICSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1098101	**A50UMCLNL19**	50	63,0	35,0	350	–	1/4-18 NPT	-12.0	CN..190608	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm



Steel shank with through coolant.



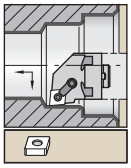


A-PCLN 95°

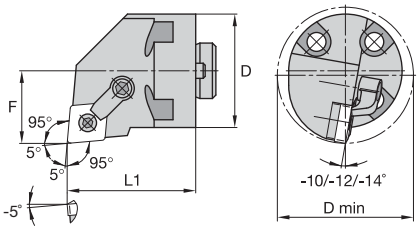


order number	catalogue number	D	D min	F	L1	L2	CS	γF°	gage insert	shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand															
2447150	**A25TPCLNR12**	25	32,0	17,0	300	40	1/4-18 NPT	-12.0	CN..120408	–	–	–	**511.022**	**514.122**	10 IP
2447152	**A32UPCLNR12**	32	40,0	22,0	350	50	1/4-18 NPT	-10.0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
2447476	**A32UPCLNR16**	32	50,0	22,0	350	50	1/4-18 NPT	-10.0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
2447533	**A40VPCLNR12**	40	50,0	27,0	400	55	1/4-18 NPT	-10.0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
2447478	**A40VPCLNR16**	40	50,0	27,0	400	55	1/4-18 NPT	-11.0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
left hand															
2447151	**A25TPCLNL12**	25	32,0	17,0	300	40	1/4-18 NPT	-12.0	CN..120408	–	–	–	**511.022**	**514.122**	10 IP
2447473	**A32UPCLNL12**	32	40,0	22,0	350	50	1/4-18 NPT	-10.0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
2447534	**A40VPCLNL12**	40	50,0	27,0	400	55	1/4-18 NPT	-10.0	CN..120408	**512.112**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
2447479	**A40VPCLNL16**	40	50,0	27,0	400	55	1/4-18 NPT	-11.0	CN..160612	**512.117**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP

Kenloc™ Boring Heads



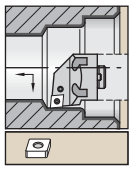
With through coolant.



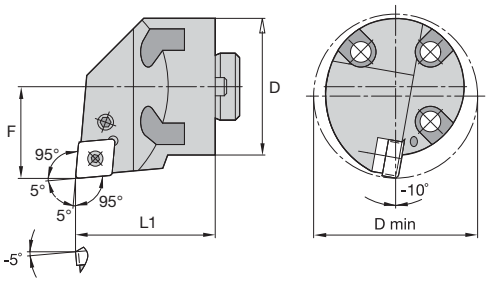
H-MCLN 95°



order number	catalogue number	D	D min	F	L1	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand												
3612156	**H32MCLNR12**	32	40,0	22,0	41	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
3612178	**H50MCLNR12**	50	63,0	35,0	41	CN..120408	**ICSN432**	**KLM46**	2.5 mm	**CKM20**	**STCM20**	3 mm
1099102	**H50MCLNR19**	50	63,0	35,0	41	CN..190612	**ICSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm



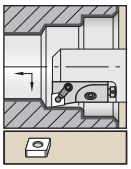
With through coolant.

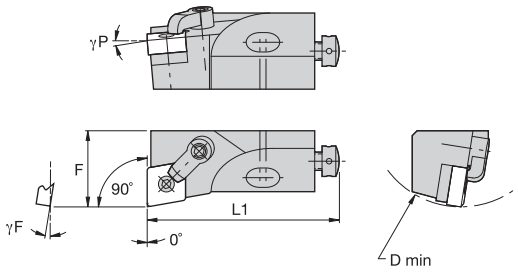


H-PCLN 95°



order number	catalogue number	D	D min	F	L1	gage insert	shim	shim pin	lever	punch pin	lever lock screw	hex
right hand												
1861493	**H32PCLNR12**	32	40,0	22,0	41	CN..120408	**512.112**	**513.023**	**514.123**	**515.018**	**514.123**	15 IP
1861500	**H40PCLNR12**	40	50,0	27,0	41	CN..120408	**512.112**	**513.023**	**514.123**	**515.018**	**514.123**	15 IP
1861517	**H50PCLNR12**	50	63,0	35,0	41	CN..120408	**512.112**	**513.023**	**514.123**	**515.018**	**514.123**	15 IP
left hand												
1861501	**H40PCLNL12**	40	50,0	27,0	41	CN..120408	**512.112**	**513.023**	**514.123**	**515.018**	**514.123**	15 IP
1861518	**H50PCLNL12**	50	63,0	35,0	41	CN..120408	**512.112**	**513.023**	**514.123**	**515.018**	**514.123**	15 IP

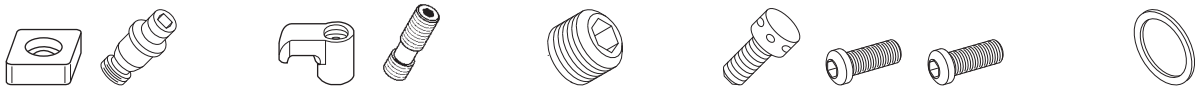




MCFN 90°

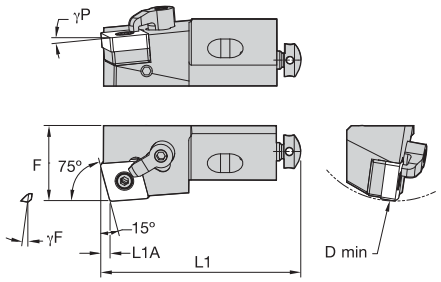
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
3331146	**MCFNR10CA09**	40	14,0	50	-9.0	-9.0	CN..090308/CN..322
3346236	**MCFNR12CA12**	50	20,0	55	-9.0	-5.0	CN..120408/CN..432
2074433	**MCFNR16CA12**	60	25,0	63	-9.0	-5.0	CN..120408/CN..432
3330195	**MCFNR20CA12**	70	25,0	70	-9.0	-5.0	CN..120408\CN..432
left hand							
3331145	**MCFNL10CA09**	40	14,0	50	-9.0	-9.0	CN..090308/CN..322
1906272	**MCFNL12CA12**	50	20,0	55	-9.0	-5.0	CN..120408/CN..432

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
40	–	**KLM33**	2 mm	**CKM36**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	4 mm	**CSWM 060 050**
50	–	**KLM43**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	–	**191.406**	4 mm	**CSWM 060 050**
60	**ICSN432**	**KLM46S**	2.5 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	5 mm	**CSWM 080 050**
70	**ICSN432**	**KLM46**	2.5 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	5 mm	**CSWM 080 050**





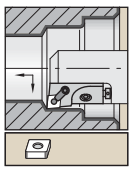
MCKN 75°

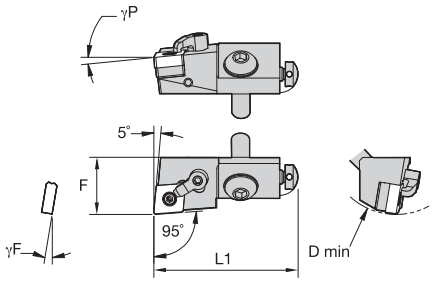
order number	catalogue number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
3346238	MCKNR12CA12	50	20,0	55	3	-9.0	-5.0	CN..120408/CN..432
3330222	MCKNR16CA12	60	25,0	63	3	-9.0	-5.0	CN..120408/CN..432
left hand								
3346237	MCKNL12CA12	50	20,0	55	3	-9.0	-5.0	CN..120408/CN..432

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	–	KLM43	2 mm	CKM34	STCM38	2 mm	KUAM22	2 mm	KUAM31	191.406	4 mm	CSWM 060 050
60	ICSN432	KLM46S	2.5 mm	CKM34	STCM9	2.5 mm	KUAM25	2.5 mm	KUAM32	191.407	5 mm	CSWM 080 050





MCLN 95°

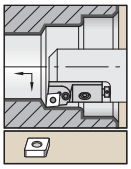
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1100493	**MCLNR12CA12**	50	20,0	55	-9.0	-5.0	CN..120408/CN..432
1282100	**MCLNR16CA12**	60	25,0	63	-9.0	-5.0	CN..120408/CN..432
3330197	**MCLNR20CA12**	70	25,0	70	-9.0	-5.0	CN..120408/CN..432
3332803	**MCLNR25CA12**	100	32,0	100	-9.0	-5.0	CN..120408/CN..432
3332804	**MCLNR25CA16**	100	32,0	100	-9.0	-5.0	CN..160612/CN..543
3332805	**MCLNR25CA19**	100	32,0	100	-9.0	-5.0	CN..190612/CN..643
left hand							
2077947	**MCLNL12CA12**	50	20,0	55	-9.0	-5.0	CN..120408/CN..432
3330273	**MCLNL16CA12**	60	25,0	63	-9.0	-5.0	CN..120408/CN..432
3330196	**MCLNL20CA12**	70	25,0	70	-9.0	-5.0	CN..120408/CN..432
3332362	**MCLNL25CA19**	100	32,0	100	-9.0	-5.0	CN..190612/CN..643

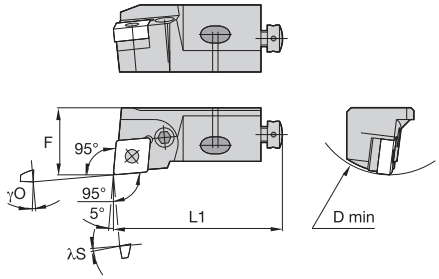
NOTE: Select spare parts based off of D min and the insert size selected.

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
50	**–**	**KLM43**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	**191.406**	**–**	4 mm	**CSWM 060 050**
60	**ICSN432**	**KLM46S**	2.5 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	**–**	5 mm	**CSWM 080 050**
70	**ICSN432**	**KLM46**	2.5 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	**–**	5 mm	**CSWM 080 050**
100	**ICSN633**	**KLM68**	4 mm	**CKM35**	**STCM8**	4 mm	**KUAM27**	4 mm	**KUAM32**	**–**	**MS364**	8 mm	**CSWM 100 080**
100	**ICSN432**	**KLM46**	2.5 mm	**CKM37**	**STCM40**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**–**	**MS364**	8 mm	**CSWM 100 080**
100	**ICSN533**	**KLM58**	3 mm	**CKM41**	**STCM20**	3 mm	**KUAM26**	3 mm	**KUAM32**	**–**	**MS364**	8 mm	**CSWM 100 080**
100	**ICSN633**	**KLM68**	4 mm	**CKM35**	**STCM8**	4 mm	**KUAM27**	4 mm	**KUAM32**	**–**	**MS364**	8 mm	**CSWM 100 080**





PCLN 95°

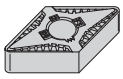
order number	catalogue number	D min	F	L1	λS°	γO°	gage insert
right hand							
1244444	**PCLNR12CA-12**	50	20,0	55	-6.0	-9.0	CN..120408/CN..432
1244496	**PCLNR16CA-12**	60	25,0	63	-6.0	-7.0	CN..120408/CN..432
left hand							
1244443	**PCLNL16CA-12**	60	25,0	63	-6.0	-7.0	CN..120408/CN..432

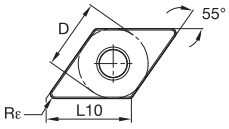
Spare Parts



D min	shim	shim pin	toggle lever	lever screw	wrench size lever screw	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	–	–	**511.022**	**514.122**	10 IP	**KUAM28**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**
60	**512.112**	**513.023**	**511.023**	**514.123**	15 IP	**KUAM23**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**

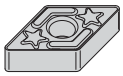
● first choice
○ alternate choice

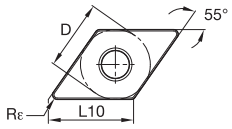




DNGG-FS

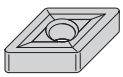
				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
DNGG110402FS	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNGG110404FS	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNGG110408FS	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNGG150401FS	12,70	15,50	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNGG150402FS	12,70	15,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNGG150404FS	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–
DNGG150604FS	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNGG150408FS	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
DNGG150608FS	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNGG150412FS	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

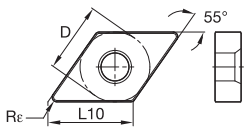




DNGG-LF

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
DNGG150402LF	12,70	15,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNGG150404LF	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNGG150408LF	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–

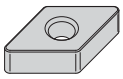


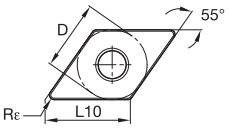


DNGP

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
DNGP150401	12,70	15,50	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
DNGP150402	12,70	15,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–
DNGP150404	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	●	–
DNGP150604	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	●	–
DNGP150408	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	●	–
DNGP150608	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–

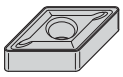
● first choice
○ alternate choice

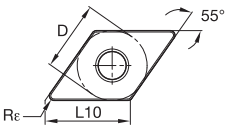




DNMA

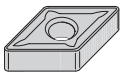
				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
DNMA110408	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150408	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150608	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150412	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150612	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMA150416	12,70	15,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

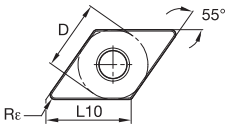




DNMG

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
DNMG150408B	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



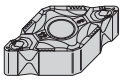


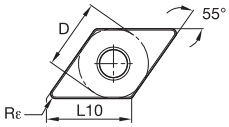
DNMG-33

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
DNMG11040433	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
DNMG11040833	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
DNMG15060433	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
DNMG15060833	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●

P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M											○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○						●	●	●	●	●	●								●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		

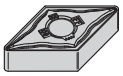
● first choice
○ alternate choice

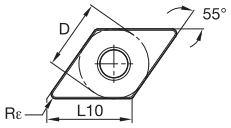




DNMG-CT

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110412CT	9,53	11,62	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG110408CT	9,53	11,63	0,8	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150604CT	12,70	15,50	0,3	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150404CT	12,70	15,50	0,4	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNMG150408CT	12,70	15,50	0,8	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
DNMG150608CT	12,70	15,50	0,8	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150412CT	12,70	15,50	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNMG150612CT	12,70	15,50	1,2	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

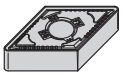


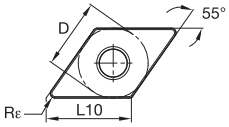


DNMG-FF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110404FF	9,53	11,63	0,4	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
DNMG110408FF	9,53	11,63	0,8	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●
DNMG150404FF	12,70	15,50	0,4	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	●	–	–	●
DNMG150604FF	12,70	15,50	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●
DNMG150408FF	12,70	15,50	0,8	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
DNMG150608FF	12,70	15,50	0,8	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●

● first choice
○ alternate choice

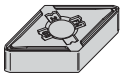


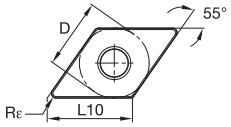


DNMG-FN

| | | |

● first choice
○ alternate choice

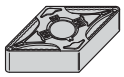


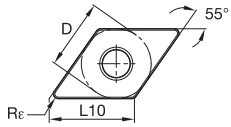


DNMG-FW

P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																									●	●	●	●	●	●	●	
S																									●	●	●	●	●	●		
H																																

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110404FW	9,53	11,63	0,4	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●
DNMG110408FW	9,53	11,63	0,8	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	●
DNMG150404FW	12,70	15,50	0,4	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
DNMG150408FW	12,70	15,50	0,4	–	●	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●
DNMG150604FW	12,70	15,50	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNMG150608FW	12,70	15,50	0,4	–	●	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

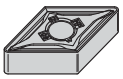


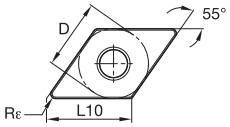


DNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110404MN	9,53	11,63	0,4	–	●	●	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG110408MN	9,53	11,63	0,8	–	●	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG110412MN	9,53	11,63	1,2	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150404MN	12,70	15,50	0,4	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150604MN	12,70	15,50	0,4	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150408MN	12,70	15,50	0,8	●	–	●	●	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
DNMG150608MN	12,70	15,50	0,8	●	–	●	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150412MN	12,70	15,50	1,2	–	●	●	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150612MN	12,70	15,50	1,2	–	–	●	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150616MN	12,70	15,50	1,6	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG190612MN	15,88	19,38	1,2	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

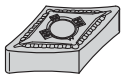
● first choice
○ alternate choice

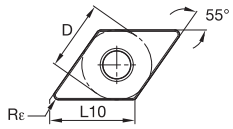




DNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110408MP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	–	●	–	–	–
DNMG110412MP	9,53	11,63	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150404MP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	●	–	–	–	●	–	●	–	–	–
DNMG150604MP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	●	–	–	–	●	–	●	–	–	–
DNMG150408MP	12,70	15,50	0,8	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	●	–	–	–	●	–	●	–	–	–
DNMG150608MP	12,70	15,50	0,8	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–	–	–	●	●	●	–	–	–
DNMG150412MP	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	●	–	–	–
DNMG150612MP	12,70	15,50	1,2	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	●	●	–	–	–

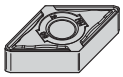


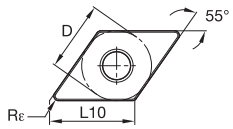


DNMG-MS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110408MS	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
DNMG150401MS	12,70	15,50	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DNMG150402MS	12,70	15,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
DNMG150404MS	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
DNMG150604MS	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
DNMG150408MS	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
DNMG150608MS	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
DNMG150412MS	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
DNMG150612MS	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–

● first choice
○ alternate choice

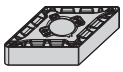


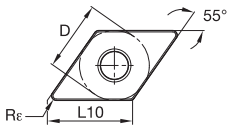


DNMG-MW

P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																									●	●	●	●	●	●	●	
S																									●	●	●	●	●	●		
H																																

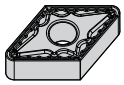
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG150408MW	12,70	15,50	0,4	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150608MW	12,70	15,50	0,4	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
DNMG150412MW	12,70	15,50	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150612MW	12,70	15,50	0,8	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

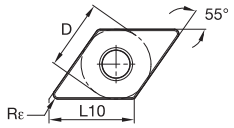




DNMG-MR

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110408MR	9,53	11,63	0,8	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150408MR	12,70	15,50	0,8	–	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	●	–	–	●	–	–	–	–	–	–
DNMG150608MR	12,70	15,50	0,8	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	–	●	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–
DNMG150412MR	12,70	15,50	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
DNMG150612MR	12,70	15,50	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150616MR	12,70	15,50	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

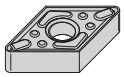


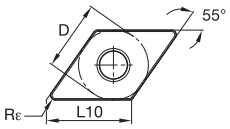


DNMG-MG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG150612MG	12,70	15,50	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150616MG	12,70	15,50	1,6	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

● first choice
○ alternate choice

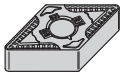


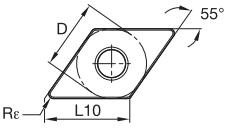


DNMG-P

P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●		●
N																									●	●	●	●	●	●	●	
S																									●	●	●	●	●	●		
H																																

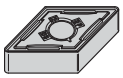
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG150404P	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNMG150408P	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNMG150608P	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

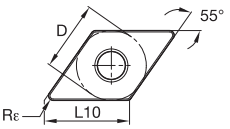




DNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG150408RN	12,70	15,50	0,8	–	●	●	●	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150608RN	12,70	15,50	0,8	–	●	●	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150412RN	12,70	15,50	1,2	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
DNMG150612RN	12,70	15,50	1,2	–	●	●	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
DNMG150416RN	12,70	15,50	1,6	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150616RN	12,70	15,50	1,6	–	–	–	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG190608RN	15,88	19,38	0,8	–	–	●	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG190612RN	15,88	19,38	1,2	–	–	●	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

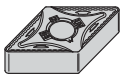


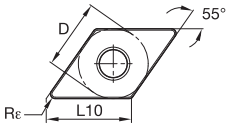


DNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110408RP	9,53	11,63	0,8	–	–	–	●	●	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	●	●	●	–	–	–
DNMG110412RP	9,53	11,63	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150408RP	12,70	15,50	0,8	–	–	●	●	●	●	–	–	–	–	–	●	–	–	●	●	–	●	●	●	–	●	–	–	–	●	●	●	●	–	–
DNMG150608RP	12,70	15,50	0,8	–	●	●	●	●	●	–	●	–	–	–	–	●	–	–	●	–	●	●	●	–	–	–	–	–	●	●	●	●	–	–
DNMG150412RP	12,70	15,50	1,2	–	–	●	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	●	–	–	–	–
DNMG150612RP	12,70	15,50	1,2	–	–	●	●	●	●	–	–	–	–	–	●	–	●	●	●	–	–	–	●	●	–	–	–	–	●	●	–	–	–	–
DNMG150416RP	12,70	15,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
DNMG150616RP	12,70	15,50	1,6	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

● first choice
○ alternate choice

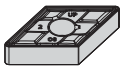


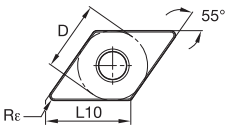


DNMG-UN

P	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M									○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K	○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																								●	●	●	●	●	●	●	
S																								●	●	●	●	●	●		
H																															

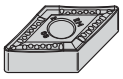
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110408UN	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG110412UN	9,53	11,63	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150408UN	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150608UN	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150412UN	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150612UN	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150416UN	12,70	15,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG150616UN	12,70	15,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

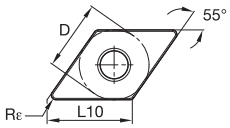




DNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMG110408UP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
DNMG150404UP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	●	–	–	–	–	–
DNMG150604UP	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
DNMG150408UP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–	–	●	–	●	–	–	–
DNMG150608UP	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	●	–	–	–

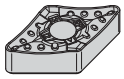


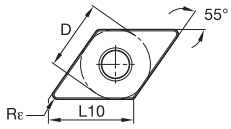


DNMM-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMM150408RM	12,70	15,50	0,8	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150608RM	12,70	15,50	0,8	–	–	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150412RM	12,70	15,50	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150612RM	12,70	15,50	1,2	–	–	–	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150616RM	12,70	15,50	1,6	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

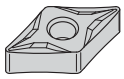
● first choice
○ alternate choice

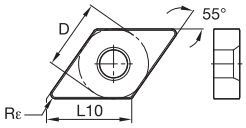




DNMM-RP

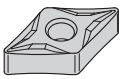
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
DNMM150608RP	12,70	15,50	0,8	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150612RP	12,70	15,50	1,2	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMM150616RP	12,70	15,50	1,6	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

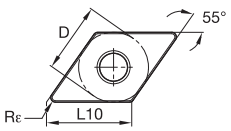




DNMP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMP150404	12,70	15,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
DNMP150408	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
DNMP150412	12,70	15,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

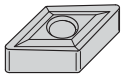


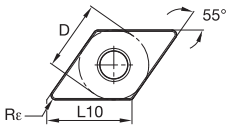


DNMP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
DNMP110408K	9,53	11,63	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150404K	12,70	15,50	0,4	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150604K	12,70	15,50	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150408K	12,70	15,50	0,8	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150608K	12,70	15,50	0,8	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMP150412K	12,70	15,50	1,2	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

● first choice
○ alternate choice





DNMS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P		●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
				M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
				K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
				N																							●	●	●	●	●	●	●		
				S																							●	●	●	●	●	●			
				H																														
DNMS150408	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–

Mobile Apps

The Kennametal mobile app provides easy access to product information and calculators on both iPhone® and Android™ devices. We've highlighted a few of the key features...

There's an app for that.

SPEEDS & FEEDS

View speeds and feeds information for metalworking products.

PRODUCT AVAILABILITY

Check global availability of products. View available quantities by providing your Konnect login credentials.

CALCULATORS

Utilise our machining calculators for milling and drilling applications.

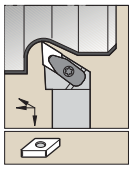


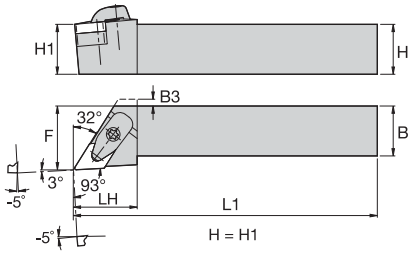
By just scanning the bar code on the insert packet, you can find the most productive cutting conditions for tool life, process time, and chip control.

NOTE: The app is currently only available in the English-language version. We have plans to translate the app in different languages with future releases.

Google play

Available on the App Store

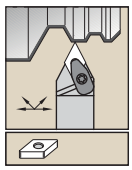


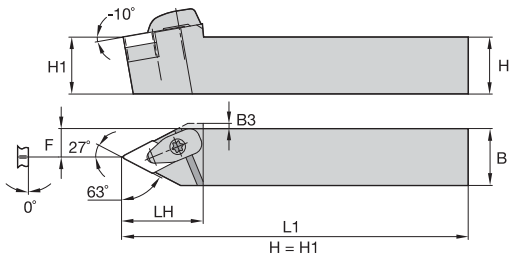


DDJN-KC 93°



order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
2273105	**DDJNR2020K11KC04**	20	20	25,0	125	30,0	2,0	DN..110408	**IDSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1875197	**DDJNR2020K15KC06**	20	20	25,0	125	32,0	4,0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
2273106	**DDJNR2525M11KC04**	25	25	32,0	150	30,0	–	DN..110408	**IDSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1875191	**DDJNR2525M15KC06**	25	25	32,0	150	32,0	–	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875208	**DDJNR3225P15KC06**	32	25	32,0	170	32,0	–	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875227	**DDJNR3232P15KC06**	32	32	40,0	170	32,0	–	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
left hand															
2273107	**DDJNL2020K11KC04**	20	20	25,0	125	30,0	2,0	DN..110408	**IDSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1875198	**DDJNL2020K15KC06**	20	20	25,0	125	32,0	4,0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
2273108	**DDJNL2525M11KC04**	25	25	32,0	150	30,0	–	DN..110408	**IDSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1875192	**DDJNL2525M15KC06**	25	25	32,0	150	32,0	–	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875207	**DDJNL3225P15KC06**	32	25	32,0	170	32,0	–	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
1875209	**DDJNL3232P15KC06**	32	32	40,0	171	32,0	–	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**

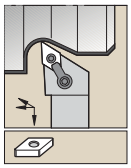


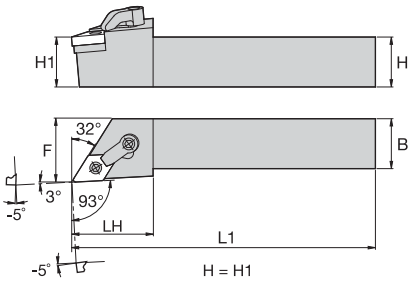


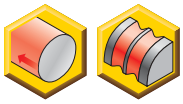
DDNN-KC 63°



order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
2273111	**DDNNR2020K15KC06**	20	20	10,0	125	40,0	2,5	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
2273112	**DDNNR2525M15KC06**	25	25	13,0	150	40,0	–	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**



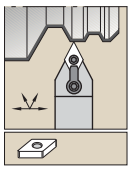


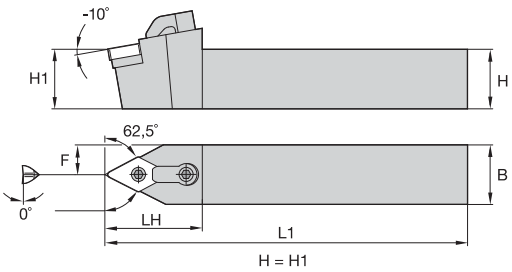


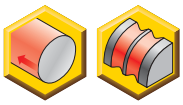
MDJN 93°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1100936	**MDJNR1616H11**	16	16	20,0	100	32,0	DN..110408	**IDSN322**	**KLM34L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1101286	**MDJNR2020K11**	20	20	25,0	125	32,0	DN..110408	**IDSN322**	**KLM34L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1101356	**MDJNR2020K15**	20	20	25,0	125	36,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1101288	**MDJNR2525M11**	25	25	32,0	150	32,0	DN..110408	**IDSN322**	**KLM34L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1101357	**MDJNR2525M15**	25	25	32,0	150	36,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1101358	**MDJNR3225P15**	32	25	32,0	170	36,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
3638550	**MDJNR3232P15**	32	32	40,5	173	32,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
left hand													
1101285	**MDJNL2020K11**	20	20	25,0	125	32,0	DN..110408	**IDSN322**	**KLM34L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1101287	**MDJNL2525M11**	25	25	32,0	150	32,0	DN..110408	**IDSN322**	**KLM34L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1102316	**MDJNL2525M15**	25	25	32,0	150	36,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1102317	**MDJNL3225P15**	32	25	32,0	170	32,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
3638551	**MDJNL3232P15**	32	32	40,5	173	32,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm



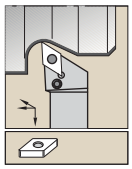


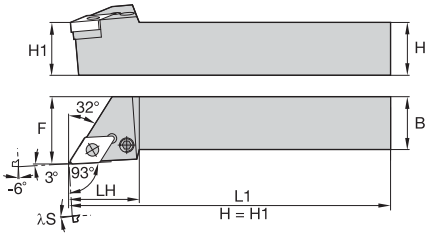


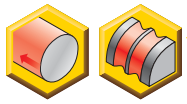
MDNN 62,5°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1101636	**MDNNR2525M15**	68	25	12,5	150	41,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1101637	**MDNNR3225P15**	88	32	12,5	170	41,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
left hand													
1102434	**MDNNL2525M15**	68	25	12,5	150	41,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1102435	**MDNNL3225P15**	88	32	12,5	170	41,0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm



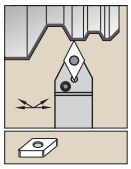


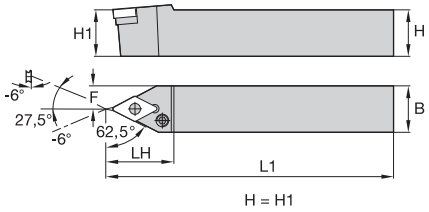


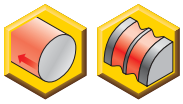
PDJN 93°



order number	catalogue number	H	B	F	L1	LH	λS°	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand														
1244752	PDJNR1616H11	16	16	20,0	100	24,0	-6.0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
1192382	PDJNR2020K11	20	20	25,0	125	30,0	-7.0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
1192383	PDJNR2020K15	20	20	25,0	125	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1192384	PDJNR2525M11	25	25	32,0	150	30,0	-7.0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
1192385	PDJNR2525M15	25	25	32,0	150	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1156969	PDJNR3225P15	32	25	32,0	170	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1236865	PDJNR3232P15	32	32	40,0	170	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1244784	PDJNR4025R15	40	25	32,0	200	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
left hand														
1244751	PDJNL1616H11	16	16	20,0	100	24,0	-6.0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
1244658	PDJNL2020K11	20	20	25,0	125	30,0	-7.0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
1244820	PDJNL2020K15	20	20	25,0	125	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1192380	PDJNL2525M11	25	25	32,0	150	30,0	-7.0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
1156968	PDJNL2525M15	25	25	32,0	150	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1244781	PDJNL3225P15	32	25	32,0	170	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1244821	PDJNL3232P15	32	32	40,0	170	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
1192381	PDJNL4025R15	40	25	32,0	200	36,0	-7.0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP



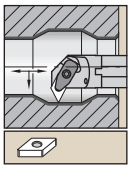




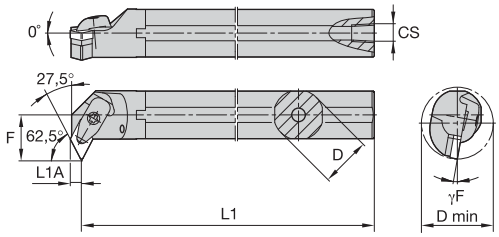
PDNN 62,5°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand													
1244756	**PDNNR2020K11**	20	20	10,0	125	24,0	DN..110408	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
1244824	**PDNNR2020K15**	20	20	10,0	125	36,0	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
1244773	**PDNNR2525M15**	25	25	12,5	150	36,0	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
1244825	**PDNNR4025M15**	40	25	12,5	150	36,0	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
left hand													
1244754	**PDNNL2020K11**	20	20	10,0	125	24,0	DN..110408	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
1244822	**PDNNL2020K15**	20	20	10,0	125	36,0	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
1244659	**PDNNL2525M11**	25	25	12,5	150	30,0	DN..110408	**512.060**	**513.060**	**515.018**	**511.060**	**514.118**	10 IP
1244785	**PDNNL2525M15**	25	25	12,5	150	36,0	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
1244823	**PDNNL4025M15**	40	25	12,5	150	36,0	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP



Steel shank with through coolant.

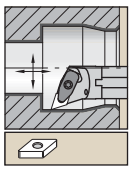




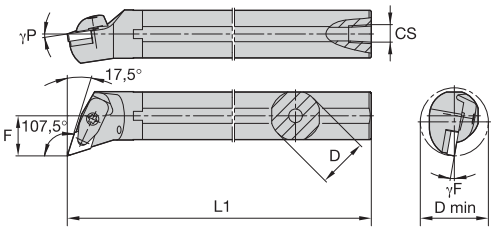
A-DDPN-KC 117,5°



order number	catalogue number	D	D min	F	L1	L1A	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand															
2441957	**A25RDDPNR11KC04**	25	37,0	22,0	200	4,8	1/4-18 NPT	-10.0	DN..110408	**IDSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441959	**A32SDDPNR15KC06**	32	45,0	27,0	250	6,5	1/4-18 NPT	-12.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441961	**A40TDDPNR15KC06**	40	52,0	30,0	300	6,6	1/4-18 NPT	-10.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
left hand															
2441960	**A32SDDPNL15KC06**	32	45,0	27,0	250	—	1/4-18 NPT	-12.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441962	**A40TDDPNL15KC06**	40	52,0	30,0	300	6,6	1/4-18 NPT	-10.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP



Steel shank with through coolant.

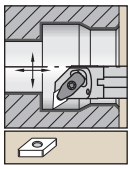




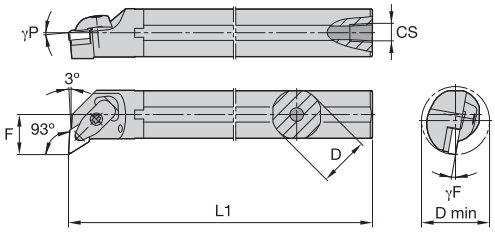
A-DDQN-KC 107,5°



order number	catalogue number	D	D min	F	L1	CS	γF°	γP°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand															
2441951	**A25RDDQNR11KC04**	25	32,0	17,0	200	1/4-18 NPT	-11.0	-7.0	DN..110408	—	—	—	**CM234R ASSY**	**SSP025016M**	15 IP
2441953	**A32SDDQNR15KC06**	32	40,0	22,0	250	1/4-18 NPT	-12.0	-10.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441955	**A40TDDQNR15KC06**	40	50,0	27,0	300	1/4-18 NPT	-10.0	-10.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
left hand															
2441952	**A25RDDQNL11KC04**	25	32,0	17,0	200	1/4-18 NPT	-11.0	-7.0	DN..110408	—	—	—	**CM234R ASSY**	**SSP025016M**	15 IP
2441954	**A32SDDQNL15KC06**	32	40,0	22,0	250	1/4-18 NPT	-12.0	-10.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441956	**A40TDDQNL15KC06**	40	50,0	27,0	300	1/4-18 NPT	-10.0	-10.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP



Steel shank with through coolant.

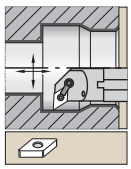




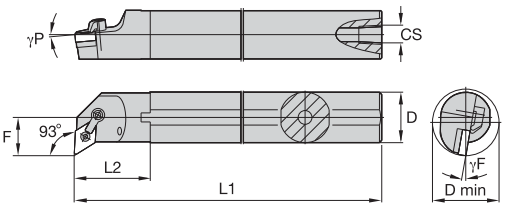
A-DDUN-KC 93°



order number	catalogue number	D	D min	F	L1	CS	γF°	γP°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand															
2441939	**A25RDDUNR11KC04**	25	32,0	17,0	200	1/4-18 NPT	-12.0	-5.0	DN..110408	–	–	–	**CM234R ASSY**	**SSP025016M**	15 IP
2441941	**A32SDDUNR11KC04**	32	40,0	22,0	250	1/4-18 NPT	-12.0	-5.0	DN..110408	**IDSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441945	**A32SDDUNR15KC06**	32	40,0	22,0	250	1/4-18 NPT	-12.0	-6.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441947	**A40TDDUNR15KC06**	40	50,0	27,0	300	1/4-18 NPT	-9.0	-5.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441949	**A50UDDUNR15KC06**	50	63,0	35,0	350	1/4-18 NPT	-7.0	-5.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
left hand															
2441940	**A25RDDUNL11KC04**	25	32,0	17,0	200	1/4-18 NPT	-12.0	-5.0	DN..110408	–	–	–	**CM234R ASSY**	**SSP025016M**	15 IP
2441942	**A32SDDUNL11KC04**	32	40,0	22,0	250	1/4-18 NPT	-12.0	-5.0	DN..110408	**IDSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441946	**A32SDDUNL15KC06**	32	40,0	22,0	250	1/4-18 NPT	-12.0	-6.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441948	**A40TDDUNL15KC06**	40	50,0	27,0	300	1/4-18 NPT	-9.0	-5.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441950	**A50UDDUNL15KC06**	50	63,0	35,0	350	1/4-18 NPT	-7.0	-5.0	DN..150608	**IDSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP



Steel shank with through coolant.





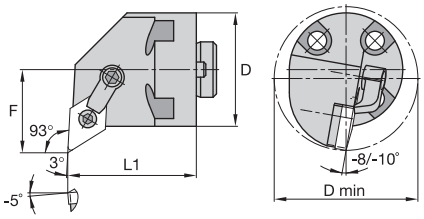
A-MDUN 93°



order number	catalogue number	D	D min	F	L1	L2	CS	γF°	γP°	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand																
1098769	**A25RMDUNR11**	25	32,0	17,0	200	40,0	1/4-18 NPT	-14.0	-5.0	DN..110408	–	**KLM33L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1098102	**A25RMDUNR15**	25	32,0	17,0	200	–	1/4-18 NPT	-14.0	-5.0	DN..150408	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM11**	3 mm
1098770	**A32SMDUNR11**	32	40,0	22,0	250	50,0	1/4-18 NPT	-12.0	-5.0	DN..110408	**IDSN322**	**KLM34L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1098104	**A32SMDUNR15**	32	40,0	22,0	250	–	1/4-18 NPT	-12.0	-6.0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1098106	**A40TMDUNR15**	40	50,0	27,0	300	–	1/4-18 NPT	-9.0	-5.0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1098108	**A50UMDUNR15**	50	63,0	35,0	350	–	1/4-18 NPT	-7.0	-5.0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
left hand																
1098779	**A25RMDUNL11**	25	32,0	17,0	200	40,0	1/4-18 NPT	-14.0	-5.0	DN..110408	–	**KLM33L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1098103	**A25RMDUNL15**	25	32,0	17,0	200	–	1/4-18 NPT	-14.0	-5.0	DN..150408	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM11**	3 mm
1098780	**A32SMDUNL11**	32	40,0	22,0	250	50,0	1/4-18 NPT	-12.0	-5.0	DN..110408	**IDSN322**	**KLM34L**	2 mm	**CKM7**	**STCM5**	2.5 mm
1098105	**A32SMDUNL15**	32	40,0	22,0	250	–	1/4-18 NPT	-12.0	-6.0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1098107	**A40TMDUNL15**	40	50,0	27,0	300	–	1/4-18 NPT	-9.0	-5.0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
1098109	**A50UMDUNL15**	50	63,0	35,0	350	–	1/4-18 NPT	-7.0	-5.0	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm



With through coolant.

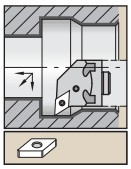


H-MDUN 93°

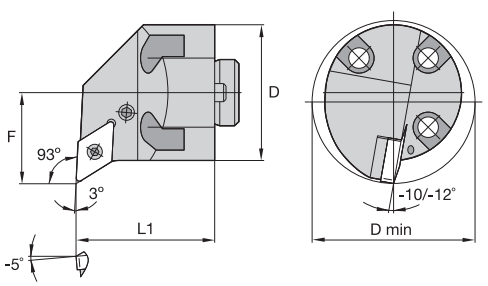


order number	catalogue number	D	D min	F	L1	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand												
1099094	**H40MDUNR15**	40	50,0	27,0	41	DN..150608	**IDSN432**	**KLM46L**	2.5 mm	**CKM22**	**STCM20**	3 mm
left hand												
3612192	**H50MDUNL19**	50	63,0	35,0	41	DN..190612	**IDSN533**	**KLM58**	3 mm	**CKM12**	**STCM4**	4 mm

Kenlever™ Boring Heads



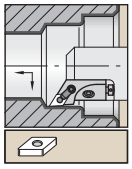
With through coolant.

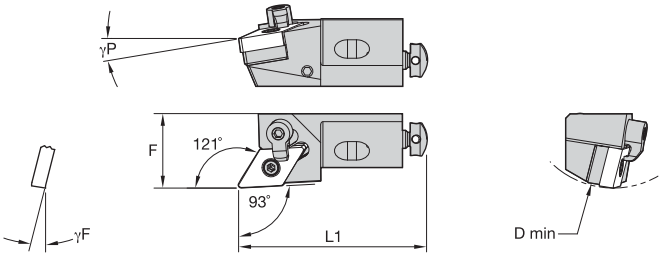


H-PDUN 93°



order number	catalogue number	D	D min	F	L1	gage insert	shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand												
1861496	**H32PDUNR15**	32	43,0	25,0	41	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
1861519	**H50PDUNR15**	50	63,0	35,0	41	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP
left hand												
1861520	**H50PDUNL15**	50	63,0	35,0	41	DN..150608	**512.153**	**513.023**	**515.018**	**511.024**	**514.128**	15 IP





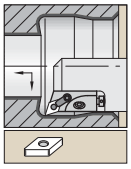
MDJN 93°

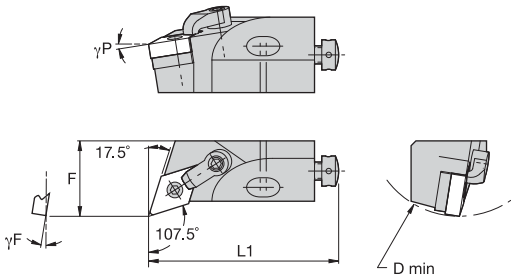
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
3346241	**MDJNR12CA11**	50	20,0	55	-9.0	-9.0	DN..110408/DN..322
3330275	**MDJNR16CA15**	60	25,0	63	-9.0	-9.0	DN..150408/DN..432
3330199	**MDJNR20CA15**	70	25,0	70	-8.5	-8.5	DN..150408/DN..3.532
left hand							
3346240	**MDJNL12CA11**	50	20,0	55	-9.0	-9.0	DN..110408/DN..322
3330274	**MDJNL16CA15**	60	25,0	63	-9.0	-9.0	DN..150408/DN..432

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	–	**KLM33L**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**
60	**IDSN432**	**KLM46S**	2.5 mm	**CKM36**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**
70	**IDSN432**	**KLM46**	2.5 mm	**CKM41**	**STCM40**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**





MDQN 107,5°

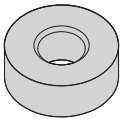
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
3330277	**MDQNR16CA15**	60	25,0	63	-9.0	-6.0	DN..150408/DN..432
3330201	**MDQNR20CA15**	70	25,0	70	-9.0	-8.0	DN..150408/DN..432
left hand							
3330276	**MDQNL16CA15**	60	25,0	63	-9.0	-6.0	DN..150408/DN..432
3330200	**MDQNL20CA15**	70	25,0	70	-9.0	-8.0	DN..150408/DN..432

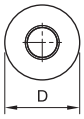
Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
60	**IDSN432**	**KLM46S**	2.5 mm	**CKM36**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**
70	**IDSN432**	**KLM46**	2.5 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**

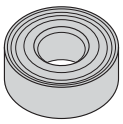
● first choice
○ alternate choice

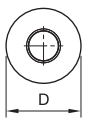




RNMA

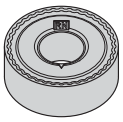
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
RNMA120400	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
RNMA150600	15,88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

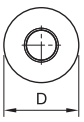




RNMG

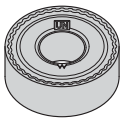
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
RNMG190600	19,05	–	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

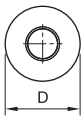




RNMG-RN

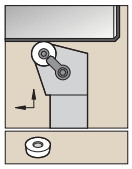
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
RNMG090300RN	9,53	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RNMG120400RN	12,70	–	–	–	–	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
RNMG150600RN	15,88	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RNMG190600RN	19,05	–	–	–	–	–	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
RNMG250900RN	25,40	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

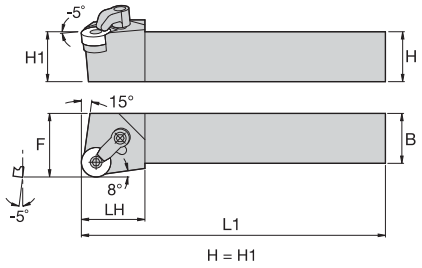




RNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
RNMG120400UN	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–





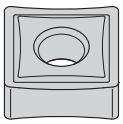


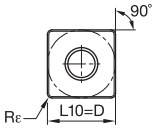
MRGN



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1102086	**MRGNR2525M12**	25	25	32,0	150	32,0	RN..120400	**IRSN43**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
left hand													
1102699	**MRGNL2525M12**	25	25	32,0	150	32,0	RN..120400	**IRSN43**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm

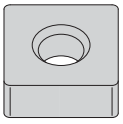
● first choice
○ alternate choice

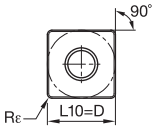




SNGP

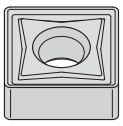
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
SNGP120404	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–
SNGP120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–

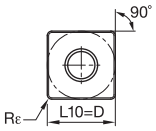




SNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMA120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMA120412	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMA150612	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMA190612	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMA190616	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

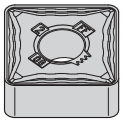


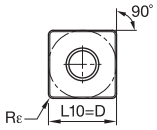


SNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
SNMG120412	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMG190612	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
SNMG190616	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG250924	25,40	25,40	2,4	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

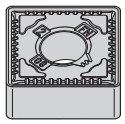
● first choice
○ alternate choice

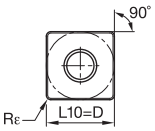




SNMG-FF

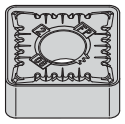
				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
ISO catalogue number	D	L10	Rε																															
SNMG090304FF	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
SNMG090308FF	9,53	9,53	0,8	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
SNMG120408FF	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

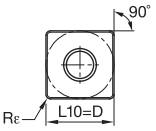




SNMG-FN

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
SNMG090308FN	9,53	9,53	0,8	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120404FN	12,70	12,70	0,4	–	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120408FN	12,70	12,70	0,8	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
SNMG120412FN	12,70	12,70	1,2	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120416FN	12,70	12,70	1,6	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

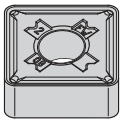


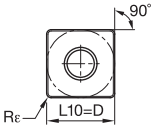


SNMG-FP

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
SNMG120404FP	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–
SNMG120408FP	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	–	–

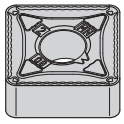
● first choice
○ alternate choice

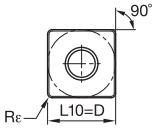




SNMG-FW

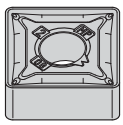
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P ●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
				M								○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
				K ○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
				N																							●	●	●	●	●	●	●	
				S																							●	●	●	●	●	●		
				H																														
SNMG120408FW	12,70	12,70	0,8	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412FW	12,70	12,70	1,2	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●

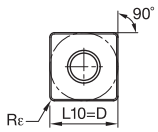




SNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG090308MN	9,53	9,53	0,8	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG090312MN	9,53	9,53	1,2	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120404MN	12,70	12,70	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120408MN	12,70	12,70	0,8	–	–	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412MN	12,70	12,70	1,2	–	–	●	●	●	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120416MN	12,70	12,70	1,6	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150612MN	15,88	15,88	1,2	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150616MN	15,88	15,88	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190612MN	19,05	19,05	1,2	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190616MN	19,05	19,05	1,6	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

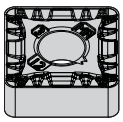


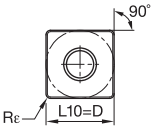


SNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120408MP	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	●	–	●	–	–	–
SNMG120412MP	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–	–	●	●	●	–	–	–
SNMG120416MP	12,70	12,70	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150608MP	15,88	15,88	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–
SNMG150612MP	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	–	●	–	–	–
SNMG150616MP	15,88	15,88	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–
SNMG190612MP	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–
SNMG190616MP	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

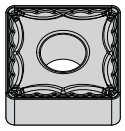
● first choice
○ alternate choice

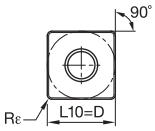




SNMG-MR

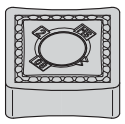
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
SNMG120408MR	12,70	12,70	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–
SNMG120412MR	12,70	12,70	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–
SNMG150612MR	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–

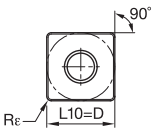




SNMG-MG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120416MG	12,70	12,70	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

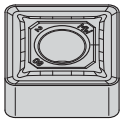


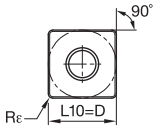


SNMG-MS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120408MS	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
SNMG120412MS	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
SNMG150608MS	15,88	15,88	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG150612MS	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SNMG190612MS	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–

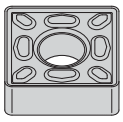
● first choice
○ alternate choice

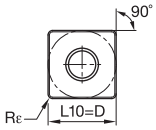




SNMG-MW

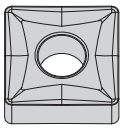
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120408MW	12,70	12,70	0,8	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412MW	12,70	12,70	1,2	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

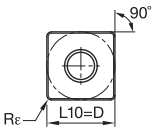




SNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120412P	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

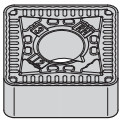


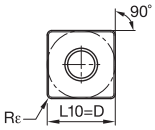


SNMG-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG250924RM	25,40	25,40	2,4	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–

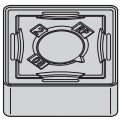
● first choice
○ alternate choice

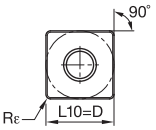




SNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
SNMG090412RN	9,53	9,53	1,2	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120408RN	12,70	12,70	0,8	–	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412RN	12,70	12,70	1,2	–	–	●	●	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
SNMG120416RN	12,70	12,70	1,6	–	–	●	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150608RN	15,88	15,88	0,8	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150612RN	15,88	15,88	1,2	–	–	●	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
SNMG150616RN	15,88	15,88	1,6	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
SNMG190608RN	19,05	19,05	0,8	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190612RN	19,05	19,05	1,2	–	–	●	–	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190616RN	19,05	19,05	1,6	–	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
SNMG190624RN	19,05	19,05	2,4	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG250924RN	25,40	25,40	2,4	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

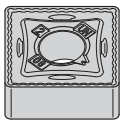


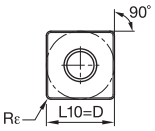


SNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120408RP	12,70	12,70	0,8	–	●	–	●	●	●	–	–	–	–	–	–	–	–	●	●	–	–	–	●	–	●	–	–	–	●	●	●	●	–	–
SNMG120412RP	12,70	12,70	1,2	–	●	●	●	●	●	–	●	–	●	–	●	●	●	–	●	–	–	●	●	–	–	–	–	–	●	●	●	●	–	–
SNMG120416RP	12,70	12,70	1,6	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–
SNMG150612RP	15,88	15,88	1,2	–	–	●	–	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	●	–	–	–	–
SNMG150616RP	15,88	15,88	1,6	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	–	–
SNMG190612RP	19,05	19,05	1,2	–	–	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	●	●	●	●	–	–
SNMG190616RP	19,05	19,05	1,6	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	●	–	–	●	●	–	–	●	–	–	●	●	–	●	–	–

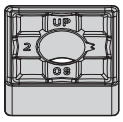
● first choice
○ alternate choice

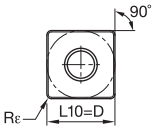




SNMG-UN

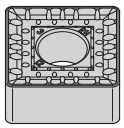
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
SNMG120408UN	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120412UN	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG120416UN	12,70	12,70	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150612UN	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG150616UN	15,88	15,88	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190612UN	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG190616UN	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

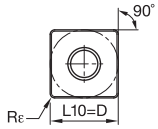




SNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMG120408UP	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–
SNMG120412UP	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–
SNMG150612UP	15,88	15,88	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	●	–	–	–	–	–

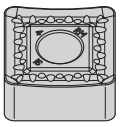


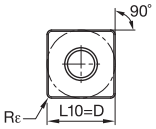


SNMM-RH

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMM190612RH	19,05	19,05	1,2	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190616RH	19,05	19,05	1,6	–	–	–	●	●	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190624RH	19,05	19,05	2,4	–	–	–	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250724RH	25,40	25,40	2,4	–	–	●	●	●	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250924RH	25,40	25,40	2,4	–	–	●	●	●	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

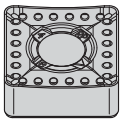
● first choice
○ alternate choice

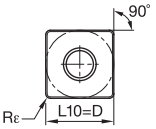




SNMM-RM

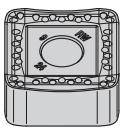
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ●	P ●	P ●	P ●	P ●	P ●	P ●		P ●
				M	M	M	M	M	M	M	M	M ○	M ○	M	M	M	M	M	M	M ●	M ●	M ●	M ●	M ●	M ●	M	M ●	M ●	M ●	M ●	M ●	M ●		M ●
				K ○	K ○	K ○	K ○	K ○	K ○	K	K	K	K	K ●	K ●	K ●	K ●	K ●	K ●	K	K	K	K	K	K	K ●	K ●	K ●	K ●	K ●	K ●	K ●		K ●
				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N ●	N ●	N ●	N ●	N ●	N ●	N ●	
				S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S ●	S ●	S ●	S ●	S ●	S ●		
				H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
SNMM120408RM	12,70	12,70	0,8	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM120412RM	12,70	12,70	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM150612RM	15,88	15,88	1,2	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM150616RM	15,88	15,88	1,6	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190612RM	19,05	19,05	1,2	–	–	–	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190616RM	19,05	19,05	1,6	–	–	–	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190624RM	19,05	19,05	2,4	–	–	–	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250724RM	25,40	25,40	2,4	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250924RM	25,40	25,40	2,4	–	–	–	–	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

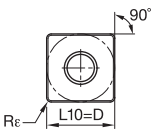




SNMM-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMM120408RP	12,70	12,70	0,8	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
SNMM120412RP	12,70	12,70	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMM150612RP	15,88	15,88	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM150616RP	15,88	15,88	1,6	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMM190612RP	19,05	19,05	1,2	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM190616RP	19,05	19,05	1,6	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–
SNMM190624RP	19,05	19,05	2,4	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMM250724RP	25,40	25,40	2,4	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
SNMM250924RP	25,40	25,40	2,4	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–

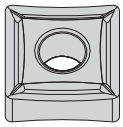


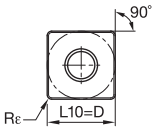


SNMM-RW

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMM190624RW	19,05	19,05	2,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMM250724RW	25,40	25,40	2,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

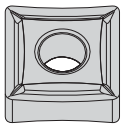
● first choice
○ alternate choice

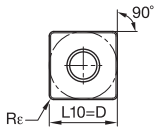




SNMP

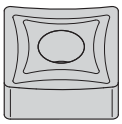
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
SNMP190612	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–

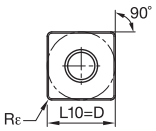




SNMP-K

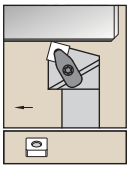
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMP120408K	12,70	12,70	0,8	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

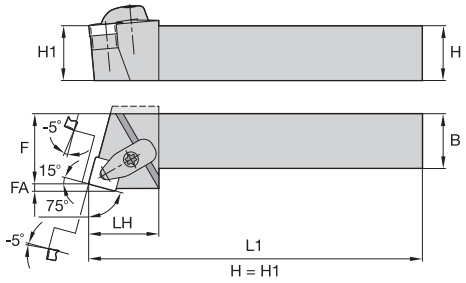


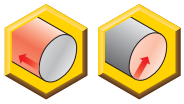


SNMS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
SNMS120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SNMS190612	19,05	19,05	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–







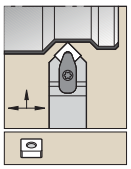
DSBN-KC 75°

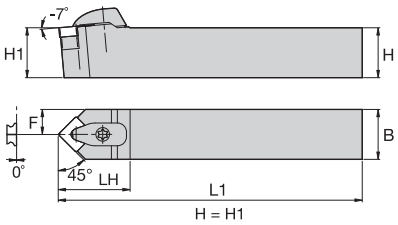






order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
left hand															
1875215	DSBNL2525M12KC04	25	25	22,0	150	32,0	3,0	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP







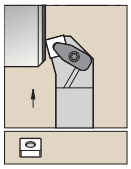
DSDN-KC 45°

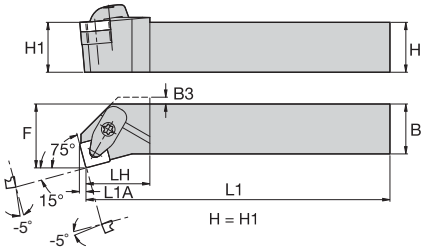


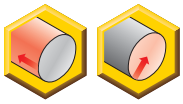




order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
1875210	DSDNN2020K12KC04	20	20	10,0	125	36,0	SN..120408	ISSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
1875211	DSDNN2525M12KC04	25	25	12,0	150	36,0	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
1875216	DSDNN2525M15KC06	25	25	12,0	150	42,0	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
2273139	DSDNN3232P19KC06	32	32	15,5	170	44,0	SN..190612	ISSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
2456320	DSDNN4040S25KC09	40	40	19,5	250	59,0	SN..250924	ISSN846	KMSP825IP	25 IP	CM236R ASSY	25 IP	SSP025018M	KLM81025IP







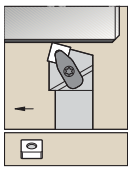
DSKN-KC 75°

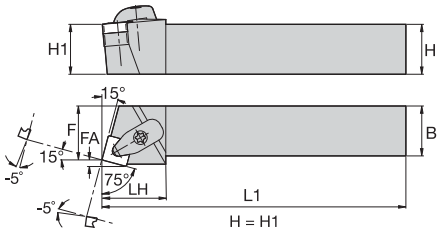


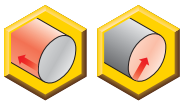




order number	catalogue number	H	B	F	L1	LH	L1A	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
1875219	**DSKNR2525M12KC04**	25	25	32,0	150	32,0	3,1	4,0	SN..120408	**ISSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
left hand																
1875220	**DSKNL2525M12KC04**	25	25	32,0	150	32,0	3,1	4,0	SN..120408	**ISSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**







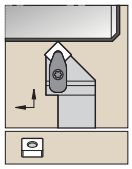
DSRN-KC 75°

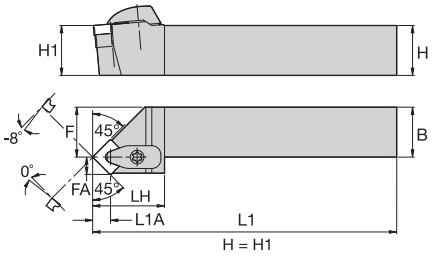






order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
1875228	**DSRNR2525M12KC04**	25	25	27,0	150	32,0	3,3	SN..120408	**ISSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
2456321	**DSRNR4040S25KC09**	40	40	43,0	250	52,0	6,1	SN..250924	**ISSN846**	**KMSP825IP**	25 IP	**CM236R ASSY**	25 IP	**SSP025018M**	**KLM81025IP**
left hand															
2456322	**DSRNL4040S25KC09**	40	40	43,0	250	52,0	6,1	SN..250924	**ISSN846**	**KMSP825IP**	25 IP	**CM236R ASSY**	25 IP	**SSP025018M**	**KLM81025IP**



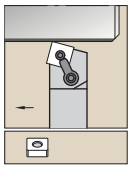


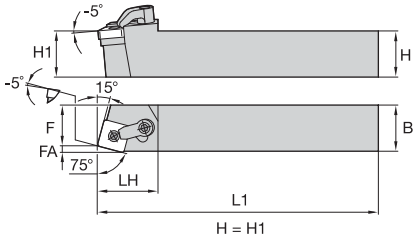


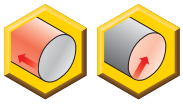
DSSN-KC 45°



order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
1875202	**DSSNR2020K12KC04**	20	20	25,0	125	36,0	8,4	8,7	SN..120408	**ISSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
1875195	**DSSNR2525M12KC04**	25	25	32,0	150	36,0	8,4	9,6	SN..120408	**ISSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
2273156	**DSSNR3225P12KC04**	32	25	32,0	170	35,4	8,4	8,7	SN..120408	**ISSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
left hand																
1875203	**DSSNL2525M12KC04**	25	25	32,0	150	36,0	8,4	8,7	SN..120408	**ISSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**



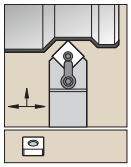


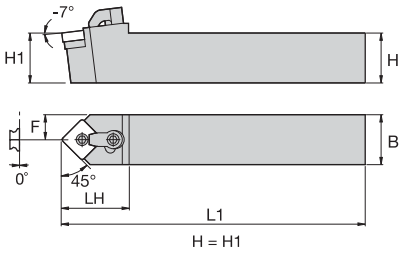


MSBN 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand														
1101893	**MSBNR3232P19**	32	32	27,0	170	40,0	4,6	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1101954	**MSBNR4040R19**	40	40	35,0	200	40,0	4,6	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1100937	**MSBNR2020K12**	61	20	17,0	125	32,0	3,1	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1101359	**MSBNR2525M15**	80	25	22,0	150	35,0	3,8	SN..150612	**ISSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1100941	**MSBNR2525M12**	86	25	22,0	150	32,0	3,1	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1101361	**MSBNR3232P15**	100	32	27,0	170	35,0	3,8	SN..150612	**ISSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1101289	**MSBNR3225P12**	106	32	22,0	170	32,0	3,1	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
left hand														
1102640	**MSBNL3232P19**	32	32	27,0	170	40,0	4,6	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1099148	**MSBNL4040R19**	40	40	35,0	200	40,0	4,6	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1102242	**MSBNL2020K12**	61	20	17,0	125	32,0	3,1	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102318	**MSBNL2525M15**	80	25	22,0	150	35,0	3,8	SN..150612	**ISSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1102243	**MSBNL2525M12**	86	25	22,0	150	32,0	3,1	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102319	**MSBNL3232P15**	100	32	27,0	170	35,0	3,8	SN..150612	**ISSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1102314	**MSBNL3225P12**	106	32	22,0	170	32,0	3,1	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm



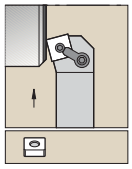


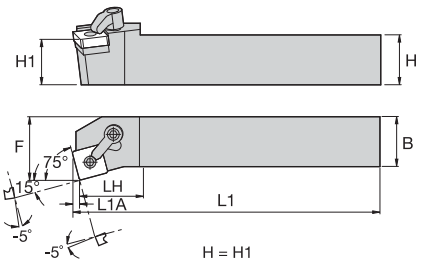


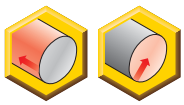
MSDN 45°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
1101891	**MSDNN2525M12**	25	25	12,0	150	32,0	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1101889	**MSDNN1616H09**	44	16	8,0	100	28,0	SN..090308	**ISSN332**	**KLM34L**	2 mm	**CKM19**	**STCM9**	2.5 mm
1101890	**MSDNN2020K12**	61	20	10,0	125	32,0	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1101892	**MSDNN2525M15**	80	25	12,5	150	35,0	SN..150612	**ISSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1101888	**MSDNN3232P19**	86	32	16,0	170	42,0	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1101713	**MSDNN3225P12**	106	32	12,5	170	32,0	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm



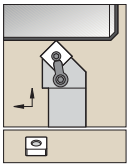


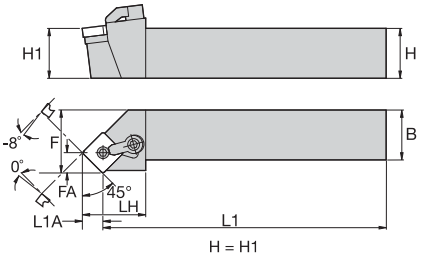


MSKN 75°



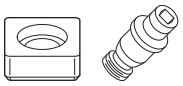
order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand														
1101886	**MSKNR2525M12**	25	25	32,0	150	32,0	3,1	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1101957	**MSKNR3232P19**	32	32	40,0	170	40,0	4,6	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
left hand														
1102637	**MSKNL2525M12**	25	25	32,0	150	32,0	3,1	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102638	**MSKNL3225P12**	32	25	32,0	170	32,0	3,1	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1099158	**MSKNL3232P15**	32	32	40,0	170	35,0	3,7	SN..150612	**ISSN533**	**KLM58**	3 mm	**CKM21**	**STCM20**	3 mm
1102641	**MSKNL3232P19**	32	32	40,0	170	40,0	4,6	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm

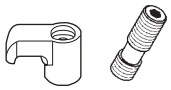




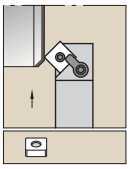


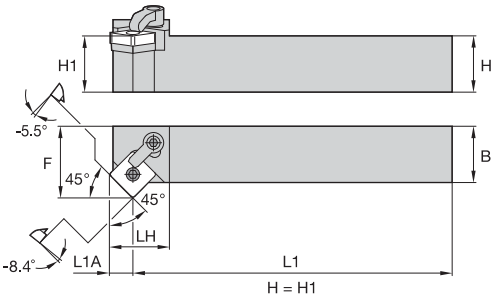
MSSN 45°





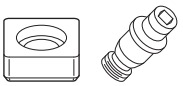
order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand															
1102166	**MSSNR3232P19**	32	32	40,0	170	40,0	12,5	12,5	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1102164	**MSSNR2020K12**	71	20	25,0	125	32,0	8,4	9,6	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102165	**MSSNR2525M12**	96	25	32,0	150	32,0	8,4	9,6	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
left hand															
1102717	**MSSNL2020K12**	20	20	25,0	125	32,0	8,4	8,3	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1102719	**MSSNL3232P19**	32	32	40,0	170	40,0	12,5	12,5	SN..190612	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
1102718	**MSSNL2525M12**	96	25	32,0	150	32,0	8,4	9,6	SN..120408	**ISSN433**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm

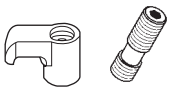




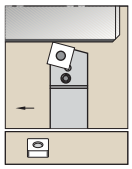


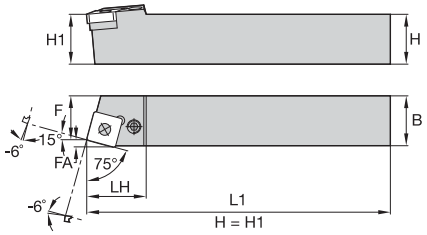
MSZN 45°





order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand														
1101884	**MSZNR2525M12**	25	25	32,0	150	25,0	8,5	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
left hand														
1102634	**MSZNL2525M12**	25	25	32,0	150	25,0	8,5	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm

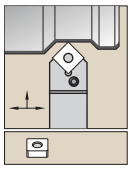


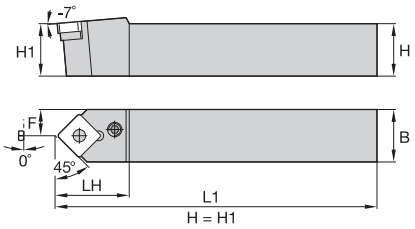


PSBN 75°

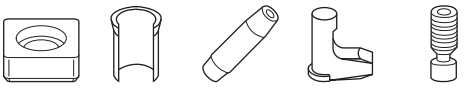


order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand														
1244833	PSBNR2020K12	20	20	17,0	125	26,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1244677	PSBNR2525M12	25	25	22,0	150	26,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1244834	PSBNR2525M15	25	25	22,0	150	36,0	3,8	SN..150608	512.025	513.025	515.022	511.025	514.125	15 IP
1244678	PSBNR3225P12	32	25	22,0	170	26,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1244680	PSBNR3232P15	32	32	27,0	170	33,0	3,8	SN..150608	512.025	513.025	515.022	511.025	514.125	15 IP
1244681	PSBNR3232P19	32	32	27,0	170	40,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
1244682	PSBNR4040S19	40	40	35,0	250	38,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
1244683	PSBNR4040S25	40	40	35,0	250	47,0	5,9	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP
left hand														
1244774	PSBNL2020K12	20	20	17,0	125	26,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1244668	PSBNL2525M12	25	25	22,0	150	26,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1244669	PSBNL2525M15	25	25	22,0	150	36,0	3,8	SN..150608	512.025	513.025	515.022	511.025	514.125	15 IP
1244672	PSBNL3232P15	32	32	27,0	170	33,0	3,8	SN..150608	512.025	513.025	515.022	511.025	514.125	15 IP
1244673	PSBNL3232P19	32	32	27,0	170	40,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
1244674	PSBNL4040S19	40	40	35,0	250	38,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
1244675	PSBNL4040S25	40	40	35,0	250	47,0	5,9	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP

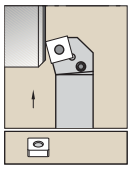


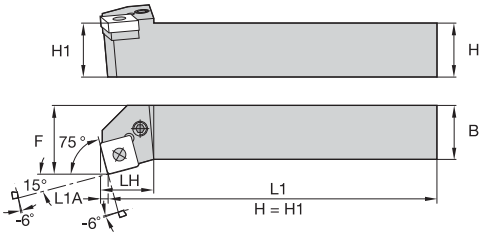


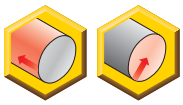
PSDN 45°



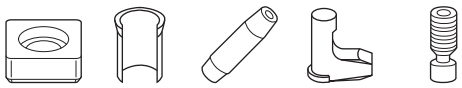
order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
1244686	PSDNN1616H09	16	16	8,0	100	22,0	SN..090308	512.053	513.019	515.018	511.018	514.118	10 IP
1244863	PSDNN2020K12	20	20	10,0	125	26,0	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1156970	PSDNN2525M12	25	25	12,5	150	26,0	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1244687	PSDNN3225P12	32	25	12,5	170	28,0	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
1244688	PSDNN3225P19	32	25	12,5	170	40,0	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
1244835	PSDNN3232P19	32	32	16,0	170	40,0	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
1147356	PSDNN4040S25	40	40	20,0	250	50,0	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP



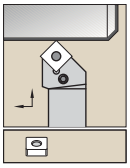


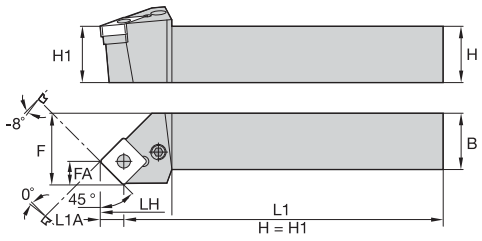


PSKN 75°



order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand														
1244699	**PSKNR2020K12**	20	20	25,0	125	23,0	3,1	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244836	**PSKNR2525M12**	25	25	32,0	150	23,0	3,1	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244701	**PSKNR3232P15**	32	32	40,0	170	32,0	3,8	SN..150608	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244702	**PSKNR3232P19**	32	32	40,0	170	37,5	4,6	SN..190612	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
left hand														
1244690	**PSKNL2525M12**	25	25	32,0	150	23,0	3,1	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244693	**PSKNL3232P19**	32	32	40,0	170	37,5	4,6	SN..190612	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP



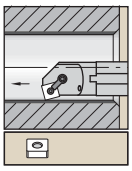




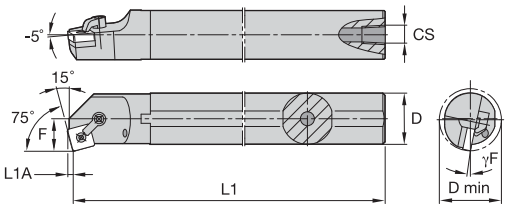
PSSN 45°



order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand															
1244718	**PSSNR2020K09**	20	20	25,0	125	26,0	6,1	6,1	SN..090308	**512.053**	**513.019**	**515.018**	**511.018**	**514.118**	10 IP
1244837	**PSSNR2020K12**	20	20	25,0	125	28,0	8,3	8,3	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1156961	**PSSNR2525M12**	25	25	32,0	150	28,0	8,3	8,3	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244719	**PSSNR2525M15**	25	25	32,0	150	32,0	10,2	10,2	SN..150608	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244720	**PSSNR3225P12**	32	25	32,0	170	29,0	8,3	8,3	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244722	**PSSNR3232P15**	32	32	40,0	170	32,0	10,0	11,5	SN..150612	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244838	**PSSNR3232P19**	32	32	40,0	170	37,5	12,5	12,5	SN..190612	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1244723	**PSSNR4040S19**	40	40	50,0	250	37,5	12,5	12,5	SN..190612	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
left hand															
1244709	**PSSNL2020K12**	20	20	25,0	125	28,0	8,3	8,3	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244789	**PSSNL2525M12**	25	25	32,0	150	28,0	8,3	8,3	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244710	**PSSNL2525M15**	25	25	32,0	150	32,0	10,2	10,2	SN..150608	**512.025**	**513.025**	**515.022**	**511.025**	**514.125**	15 IP
1244711	**PSSNL3225P12**	32	25	32,0	170	29,0	8,3	8,3	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244714	**PSSNL3232P19**	32	32	40,0	170	37,5	12,5	12,5	SN..190612	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP
1244715	**PSSNL4040S19**	40	40	50,0	250	37,5	12,5	12,5	SN..190612	**512.083**	**513.033**	**515.022**	**511.033**	**514.133**	25 IP



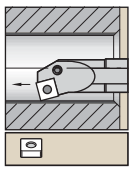
Steel shank with through coolant.



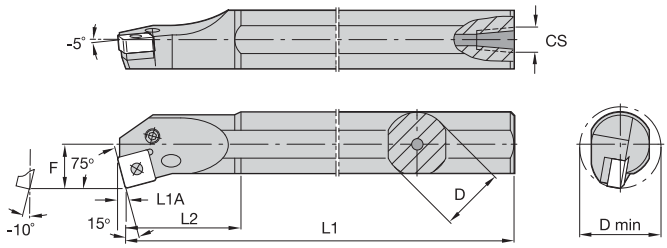
A-MSKN 75°



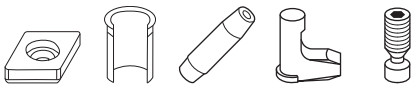
order number	catalogue number	D	D min	F	L1	L1A	CS	γF°	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand															
1098116	**A40TMSKNR12**	40	50,0	27,0	300	3,1	1/4-18 NPT	-10.0	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098120	**A50UMSKNR19**	50	63,0	35,0	350	4,6	1/4-18 NPT	-12.0	SN..190608	**ISSN633**	**KLM68**	4 mm	**CKM12**	**STCM4**	4 mm
left hand															
1098115	**A32SMSKNL12**	32	40,0	22,0	250	3,1	1/4-18 NPT	-14.0	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm
1098117	**A40TMSKNL12**	40	50,0	27,0	300	3,1	1/4-18 NPT	-10.0	SN..120408	**ISSN432**	**KLM46**	2.5 mm	**CKM21**	**STCM20**	3 mm



Steel shank with through coolant.

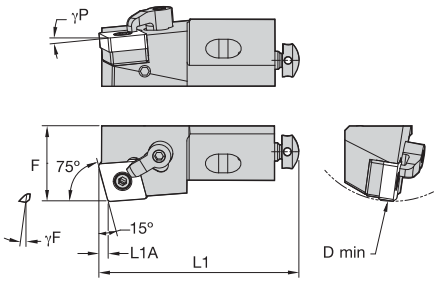


A-PSKN 75°



order number	catalogue number	D	D min	F	L1	L2	L1A	CS	gage insert	shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand															
2447480	**A25TPSKNR12**	25	30,0	17,0	300	43	3,0	1/4-18 NPT	SN..120408	–	–	–	**511.022**	**514.122**	10 IP
2447482	**A32UPSKNR12**	32	40,0	22,0	350	52	3,0	1/4-18 NPT	SN..120408	**512.063**	**513.023**	**515.018**	**511.023**	**514.124**	15 IP



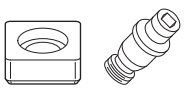
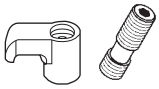


MSKN 75°

order number	catalogue number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
2114011	**MSKNR10CA09**	40	14,0	50	2,2	-9.0	-5.0	SN..090308/SN..322
2114013	**MSKNR12CA12**	50	20,0	55	3,0	-9.0	-5.0	SN..120408/SN..432
2074430	**MSKNR16CA12**	60	25,0	63	3,0	-9.0	-5.0	SN..120408/SN..432
2072222	**MSKNR20CA15**	70	25,0	70	3,7	-9.0	-5.0	SN..150612/SN..543
2987166	**MSKNR25CA19**	100	32,0	100	4,6	-9.0	-5.0	SN..190612/SN..543
left hand								
3346242	**MSKNL12CA12**	50	20,0	55	3,0	-9.0	-5.0	SN..120408/SN..432
3330202	**MSKNL20CA15**	70	25,0	70	3,7	-9.0	-5.0	SN..150612/SN..543

NOTE: Select spare parts based off of D min and the insert size selected.

Spare Parts

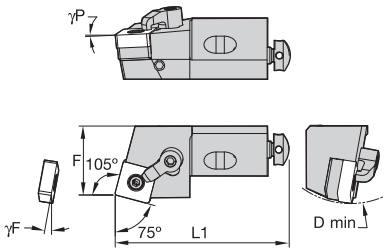






D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	mounting screw	hex	washer
40	–	**KLM33**	2 mm	**CKM36**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	–	4 mm	**CSWM 060 050**
50	–	**KLM43**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	–	**191.406**	–	4 mm	**CSWM 060 050**
60	**ISSN432**	**KLM46S**	2.5 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	–	5 mm	**CSWM 080 050**
70	**SKSN566K**	**KLM54**	2.5 mm	**CKM37**	**STCM40**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	–	5 mm	**CSWM 080 050**
100	**ISSN633**	**KLM68**	4 mm	**CKM35**	**STCM8**	4 mm	**KUAM27**	4 mm	**KUAM32**	–	–	**MS364**	8 mm	**CSWM 100 080**





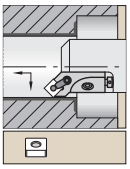
MSRN 75°

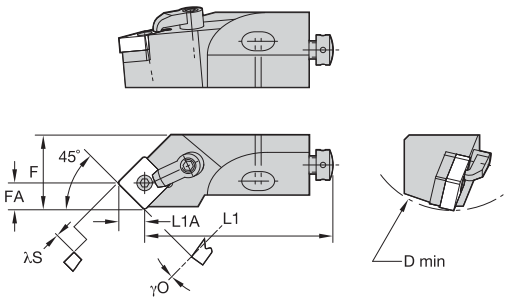
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098436	**MSRNR10CA09**	40	14,0	50	-9.0	-5.0	SN..090308/SN..322
2078231	**MSRNR12CA12**	50	20,0	55	-9.0	-5.0	SN..120408/SN..432
2074432	**MSRNR16CA12**	60	25,0	63	-9.0	-5.0	SN..120408/SN..432
left hand							
1282803	**MSRNL12CA12**	50	20,0	55	-9.0	-5.0	SN..120408/SN..432
3330279	**MSRNL16CA12**	60	25,0	63	-9.0	-5.0	SN..120408/SN..432
3330203	**MSRNL20CA15**	70	25,0	70	-9.0	-5.0	SN..150612/SN..543

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
40	–	**KLM33**	2 mm	**CKM36**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	4 mm	**CSWM 060 050**
50	–	**KLM43**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	–	**191.406**	4 mm	**CSWM 060 050**
60	**ISSN432**	**KLM46S**	2.5 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	5 mm	**CSWM 080 050**
70	**SKSN566K**	**KLM54**	2.5 mm	**CKM37**	**STCM40**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	5 mm	**CSWM 080 050**





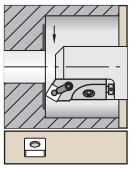
MSSN 45°

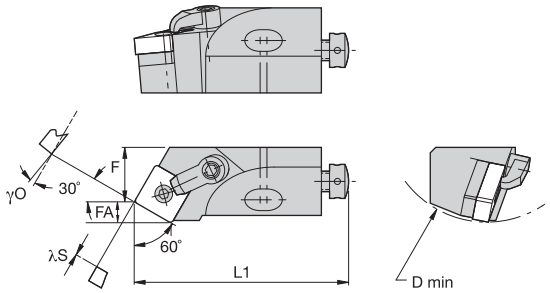
order number	catalogue number	D min	F	L1	L1A	λS°	γO°	gage insert
right hand								
1339367	**MSSNR10CA09**	40	14,0	44	6,1	-13.0	0.0	SN..090308/SN..322
1282807	**MSSNR12CA12**	50	20,0	47	8,3	-13.0	0.0	SN..120408/SN..432
3330281	**MSSNR16CA12**	60	25,0	53	8,3	-13.0	0.0	SN..120408/SN..432
3330206	**MSSNR20CA15**	70	25,0	60	10,3	-13.0	0.0	SN..150612/SN..543
left hand								
2071758	**MSSNL10CA09**	40	14,0	44	6,1	-13.0	0.0	SN..090308/SN..322
2071739	**MSSNL12CA12**	50	20,0	47	8,3	-13.0	0.0	SN..120408/SN..432

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
40	–	**KLM33**	2 mm	**CKM36**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	4 mm	**CSWM 060 050**
50	–	**KLM43**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	–	**191.406**	4 mm	**CSWM 060 050**
60	**ISSN432**	**KLM46S**	2.5 mm	**CKM36**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	5 mm	**CSWM 080 050**
70	**SKSN566K**	**KLM54**	2.5 mm	**CKM37**	**STCM40**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	5 mm	**CSWM 080 050**





MSTN 60°

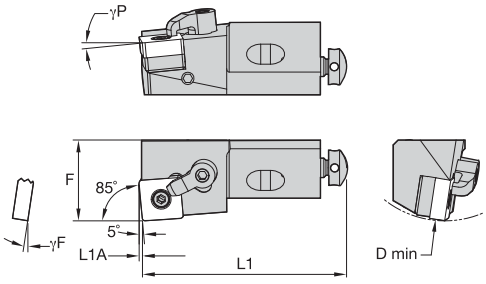
order number	catalogue number	D min	F	L1	FA	λS°	γO°	gage insert
right hand								
3331149	**MSTNR10CA09**	40,0	9,0	50	13,3	-11.0	0.0	SN..090308/SN..322
2074904	**MSTNR12CA12**	50,0	13,0	55	5,9	-11.0	0.0	SN..120408/SN..432

Spare Parts



D min	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
40	**KLM33**	2 mm	**CKM36**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	4 mm	**CSWM 060 050**
50	**KLM43**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	–	**191.406**	4 mm	**CSWM 060 050**





MSYN 85°

order number	catalogue number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
2114015	**MSYNR10CA09**	40	14,0	50	0,8	-9.0	-5.0	SN..090308/SN..322
3346274	**MSYNR12CA12**	50	20,0	55	1,0	-9.0	-5.0	SN..120408/SN..432
3330283	**MSYNR16CA12**	60	25,0	63	1,0	-9.0	-5.0	SN..120408/SN..432
1098465	**MSYNR25CA19**	100	32,0	100	1,5	-9.0	-5.0	SN..190612/SN..643
left hand								
3331150	**MSYNL10CA09**	40	14,0	50	0,8	-9.0	-5.0	SN..090308/SN..322
3346273	**MSYNL12CA12**	50	20,0	55	1,0	-9.0	-5.0	SN..120408/SN..432
1098691	**MSYNL20CA15**	70	25,0	70	1,3	-9.0	-5.0	SN..150612/SN..543

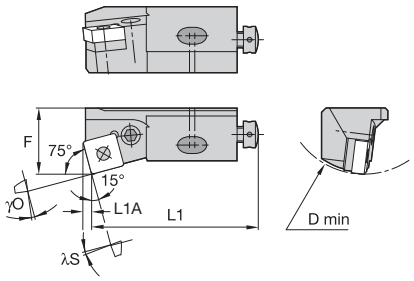
NOTE: Select spare parts based off of D min and insert size selected.

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	mounting screw	hex	washer
40	–	**KLM33**	2 mm	**CKM36**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	–	4 mm	**CSWM 060 050**
50	–	**KLM43**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	–	**191.406**	–	4 mm	**CSWM 060 050**
60	**ISSN432**	**KLM46S**	2.5 mm	**CKM36**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	–	**191.407**	–	5 mm	**CSWM 080 050**
70	**SKSN566K**	**KLM54**	2.5 mm	**CKM37**	**STCM40**	2.5 mm	**KUAM25**	2.5 mm	**KUAM33**	–	**191.407**	–	6 mm	**CSWM 080 050**
100	**ISSN633**	**KLM68**	4 mm	**CKM34**	**STCM8**	4 mm	**KUAM27**	4 mm	**KUAM33**	–	–	**MS364**	8 mm	**CSWM 100 080**





PSKN 75°

order number	catalogue number	D min	F	L1	L1A	λS°	γO°	gage insert
right hand								
1188639	**PSKNR12CA-12**	50	20,0	55	3,1	-8.0	-6.0	SN..120408/SN..432

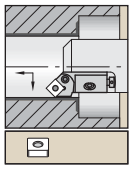
Spare Parts

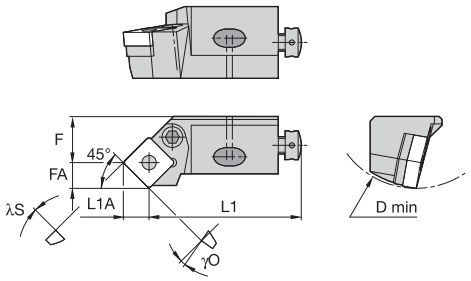







D min	toggle lever	lever screw	wrench size lever screw	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**511.022**	**514.122**	10 IP	**KUAM28**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**





PSSN 45°

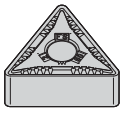
order number	catalogue number	D min	F	L1	FA	L1A	λS°	γO°	γP°	gage insert
right hand										
1244455	**PSSNR12CA-12**	50,0	20,0	47	8,7	8,3	-10.0	0.0	–	SN..120408/SN..432
left hand										
1244452	**PSSNL12CA12**	50,0	11,3	47	8,7	8,3	0.0	0.0	-10.0 deg	SN..120408/SN..432

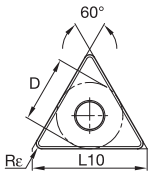
Spare Parts



D min	toggle lever	lever screw	wrench size lever screw	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**511.022**	**514.122**	10 IP	**KUAM28**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**

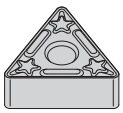
● first choice
○ alternate choice

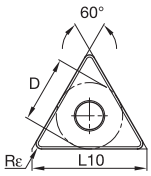




TNGG-FS

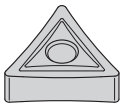
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P ●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
				M								○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
				K ○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
				N																							●	●	●	●	●	●	●	
				S																							●	●	●	●	●	●		
				H																														
TNGG160402FS	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
TNGG160404FS	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–
TNGG220408FS	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

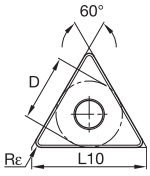




TNGG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNGG160402LF	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
TNGG160404LF	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
TNGG160408LF	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–



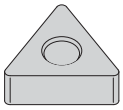


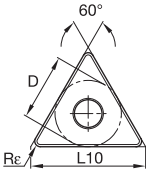
TNGP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNGP160402	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
TNGP160404	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–
TNGP160408	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–

● first choice
○ alternate choice

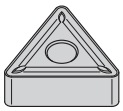
		KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																									●	●	●	●	●	●	●	
S																									●	●	●	●	●	●		
H																																

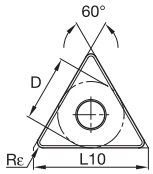




TNMA

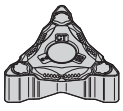
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMA160408	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMA160412	9,53	16,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMA160416	9,53	16,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMA220408	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMA220412	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMA270616	15,88	27,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

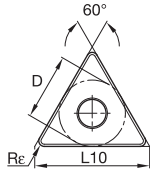




TNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG220412	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMG330924	19,05	33,00	2,4	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

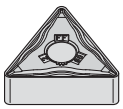


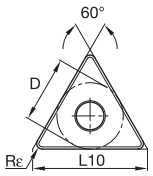


TNMG-CT

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160408CT	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–

● first choice
○ alternate choice

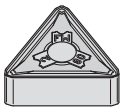


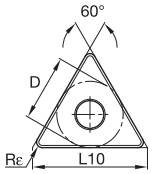


TNMG-FF

| | | |

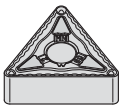
● first choice
○ alternate choice

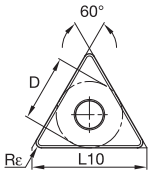




TNMG-FW

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
TNMG160404FW	9,53	16,50	0,2	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
TNMG160408FW	9,53	16,50	0,4	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
TNMG160412FW	9,53	16,50	1,2	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●

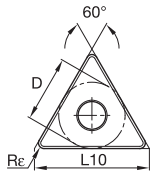




TNMG-MN

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
TNMG160404MN	9,53	16,50	0,4	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160408MN	9,53	16,50	0,8	–	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412MN	9,53	16,50	1,2	–	–	●	–	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220404MN	12,70	22,00	0,4	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408MN	12,70	22,00	0,8	–	–	●	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220412MN	12,70	22,00	1,2	–	–	●	–	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

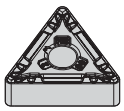


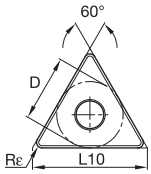


TNMG-MP

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	**D**	**L10**	**Rε**																															
TNMG160404MP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	●	–	●	–	–	–
TNMG160408MP	9,53	16,50	0,8	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	●	–	●	–	–	–
TNMG160412MP	9,53	16,50	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–	–	–	–	●	–	–	–
TNMG220408MP	12,70	22,00	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–	–	●	–	●	–	–	–
TNMG220412MP	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	–	–
TNMG220416MP	12,70	22,00	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

● first choice
○ alternate choice



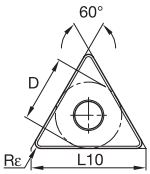


TNMG-MR

P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																									●	●	●	●	●	●	●	
S																									●	●	●	●	●	●		
H																																

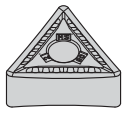
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160408MR	9,53	16,50	0,8	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–
TNMG160412MR	9,53	16,50	1,2	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408MR	12,70	22,00	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG220412MR	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270612MR	15,88	27,50	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

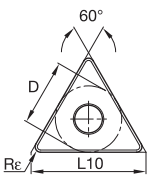




TNMG-MG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160408MG	9,53	16,50	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



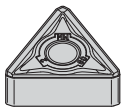


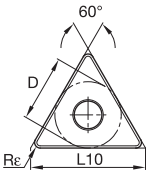
TNMG-MS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160402MS	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
TNMG160404MS	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
TNMG160408MS	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
TNMG220404MS	12,70	22,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
TNMG220408MS	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
TNMG220412MS	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–
TNMG270608MS	15,88	27,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
TNMG270616MS	15,88	27,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

● first choice
○ alternate choice

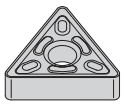
		KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																									●	●	●	●	●	●	●	
S																									●	●	●	●	●	●		
H																																

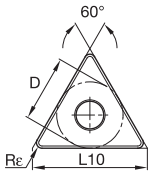




TNMG-MW

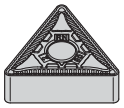
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160408MW	9,53	16,50	0,8	–	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412MW	9,53	16,50	1,2	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

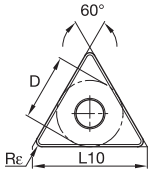




TNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160404P	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
TNMG160408P	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
TNMG220404P	12,70	22,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
TNMG220408P	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
TNMG220412P	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

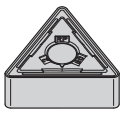


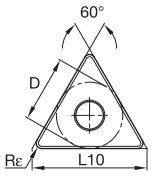


TNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160408RN	9,53	16,50	0,8	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412RN	9,53	16,50	1,2	–	–	●	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408RN	12,70	22,00	0,8	–	–	●	–	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220412RN	12,70	22,00	1,2	–	–	●	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220416RN	12,70	22,00	1,6	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270608RN	15,88	27,50	0,8	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270612RN	15,88	27,50	1,2	–	–	●	●	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG270616RN	15,88	27,50	1,6	–	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG330924RN	19,05	33,00	2,4	–	–	●	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

● first choice
○ alternate choice



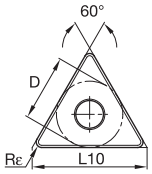


TNMG-RP

		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
											○	○							●	●	●	●	●	●	●		●	●	●	●	●	●	●		●
		○	○	○	○	○	○					●	●	●	●	●	●									●	●	●	●	●	●	●		●
																										●	●	●	●	●	●	●	●	
																										●	●	●	●	●	●			●

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160408RP	9,53	16,50	0,8	–	●	●	●	●	●	–	●	–	–	–	●	–	–	–	●	–	●	–	●	–	–	–	–	–	●	●	●	●	–	–
TNMG160412RP	9,53	16,50	1,2	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	●	–	–	–	–	●	–	●	–	–
TNMG160416RP	9,53	16,50	1,6	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408RP	12,70	22,00	0,8	–	–	●	–	●	●	–	–	●	–	–	–	–	–	●	–	–	–	●	●	–	–	–	–	–	●	●	●	●	–	–
TNMG220412RP	12,70	22,00	1,2	–	–	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–
TNMG220416RP	12,70	22,00	1,6	–	–	–	●	●	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
TNMG220432RP	12,70	22,00	3,2	–	–	●	–	●	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
TNMG270612RP	15,88	27,50	1,2	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●	–	–	–	●	●	●	–	–	–
TNMG270616RP	15,88	27,50	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–
TNMG330924RP	19,05	33,00	2,4	–	–	–	–	–	●	–	–	●	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–



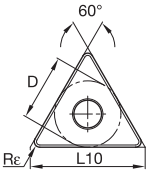


TNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMG160408UN	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160412UN	9,53	16,50	1,2	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG160416UN	9,53	16,50	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220408UN	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220412UN	12,70	22,00	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG220416UN	12,70	22,00	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

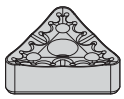
● first choice
○ alternate choice

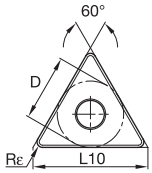




TNMG-UP

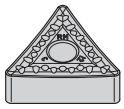
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
TNMG160404UP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG160408UP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
TNMG220408UP	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–

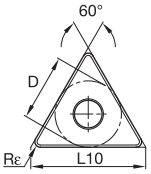




TNMM-MR

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMM330924MR	19,05	33,00	2,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

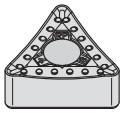


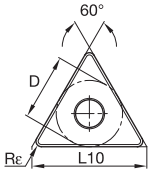


TNMM-RM

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMM160408RM	9,53	16,50	0,8	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM160412RM	9,53	16,50	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220408RM	12,70	22,00	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220412RM	12,70	22,00	1,2	–	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220416RM	12,70	22,00	1,6	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM270612RM	15,88	27,50	1,2	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM270616RM	15,88	27,50	1,6	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

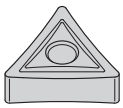
● first choice
○ alternate choice

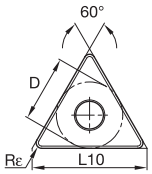




TNMM-RP

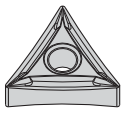
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMM220408RP	12,70	22,00	0,8	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220412RP	12,70	22,00	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
TNMM220416RP	12,70	22,00	1,6	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

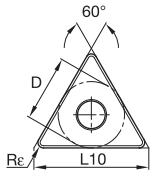




TNMP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMP160404	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
TNMP160408	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
TNMP220416	12,70	22,00	1,6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

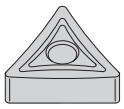


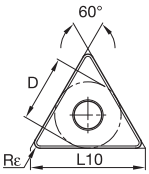


TNMP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
TNMP160404K	9,53	16,50	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMP160408K	9,53	16,50	0,8	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMP220408K	12,70	22,00	0,8	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

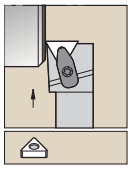
● first choice
○ alternate choice

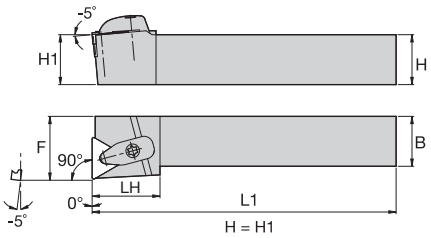


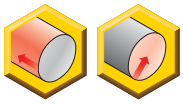


TNMS

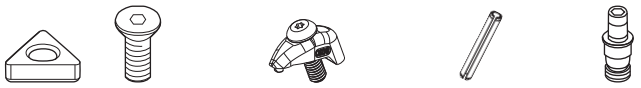
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ●	P ●	P ●	P ●	P ●	P ●	P ●		P ●
				M	M	M	M	M	M	M	M	M ○	M ○	M	M	M	M	M	M	M ●	M ●	M ●	M ●	M ●	M ●	M	M ●	M ●	M ●	M ●	M ●	M ●		M ●
				K ○	K ○	K ○	K ○	K ○	K ○	K	K	K	K	K ●	K ●	K ●	K ●	K ●	K ●	K	K	K	K	K	K	K ●	K ●	K ●	K ●	K ●	K ●	K ●		K ●
				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N ●	N ●	N ●	N ●	N ●	N ●	N ●	
				S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S ●	S ●	S ●	S ●	S ●	S ●		
				H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
TNMS160404	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMS160408	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TNMS220408	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–



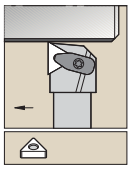


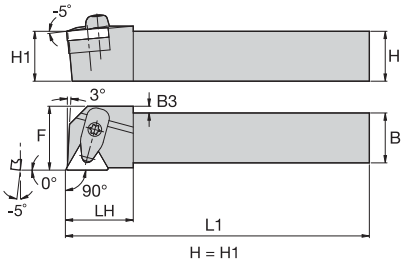


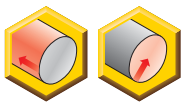
DTFN-KC 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand														
2273392	**DTFNR2020K16KC04**	20	20	25,0	125	32,0	TN..160408	**ITSN323**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
left hand														
1875233	**DTFNL2525M22KC04**	25	25	32,0	150	34,0	TN..220408	**ITSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**



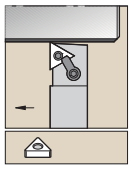


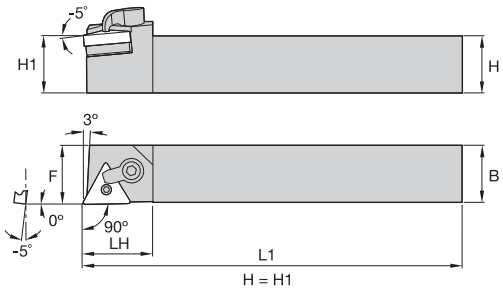


DTGN-KC 90°



order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
2273440	**DTGNR2020K16KC04**	20	20	25,0	125	25,0	6,5	TN..160408	**ITSN323**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2273441	**DTGNR2525M16KC04**	25	25	32,0	150	25,0	—	TN..160408	**ITSN323**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1875222	**DTGNR2525M22KC04**	25	25	32,0	150	32,0	3,0	TN..220408	**ITSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**
left hand															
1875234	**DTGNL2525M22KC04**	25	25	32,0	150	32,0	3,0	TN..220408	**ITSN443**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM46L15IP**



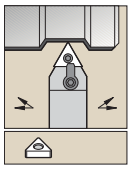


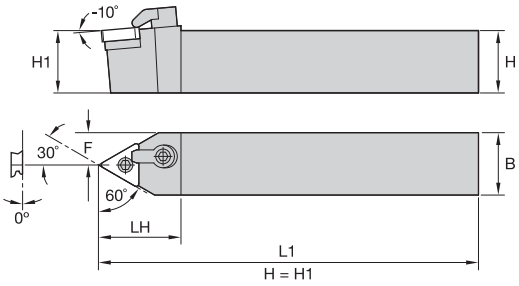


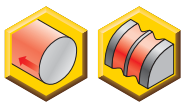
MTAN-S 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1102172	**MTANRS2020K16**	20	20	20,5	125	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1102173	**MTANRS2525M16**	25	25	25,5	150	30,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
left hand													
1102726	**MTANLS2525M16**	25	25	25,5	150	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm



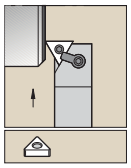


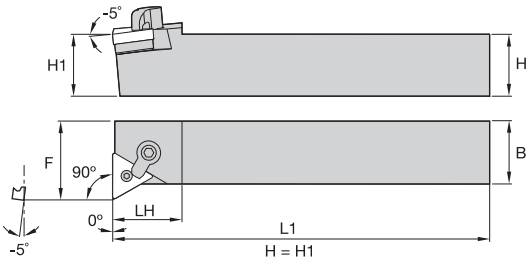


MTEN-S 60°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
1102169	**MTENNS2020K16**	20	20	10,0	125	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1102170	**MTENNS2525M16**	25	25	12,0	150	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1102171	**MTENNS2525M22**	25	25	12,0	150	35,0	TN..220408	**ITSN433**	**KLM46**	2.5 mm	**CKM9**	**STCM4**	4 mm
1102168	**MTENNS3225P22**	32	25	12,0	170	35,0	TN..220408	**ITSN433**	**KLM46**	2.5 mm	**CKM9**	**STCM4**	4 mm



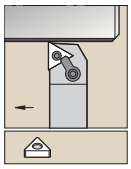


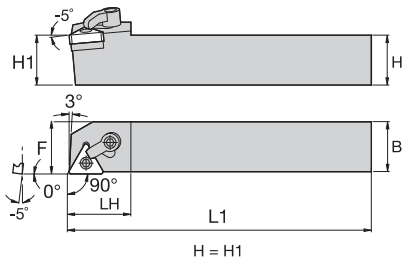


MTFN 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1101961	**MTFNR2525M16**	25	25	32,0	150	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM20**	**STCM11**	3 mm
left hand													
1102643	**MTFNL2020K16**	20	20	25,0	125	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM20**	**STCM11**	3 mm
1102694	**MTFNL2525M16**	25	25	32,0	150	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM20**	**STCM11**	3 mm



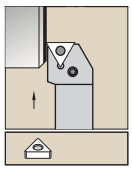


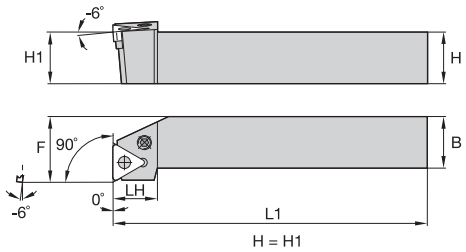


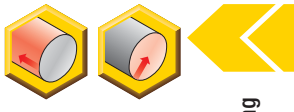
MTGN 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1102088	**MTGNR1616H16**	36	25	20,0	100	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM20**	**STCM11**	3 mm
1102090	**MTGNR2525M16**	86	32	32,0	150	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1102091	**MTGNR2525M22**	86	38	32,0	150	32,0	TN..220408	**ITSN433**	**KLM46**	2.5 mm	**CKM9**	**STCM4**	4 mm
1102093	**MTGNR3232P22**	106	32	40,0	170	32,0	TN..220408	**ITSN433**	**KLM46**	2.5 mm	**CKM9**	**STCM4**	4 mm
left hand													
1102714	**MTGNL2525M16**	86	32	32,0	150	32,0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1102715	**MTGNL2525M22**	86	38	32,0	150	32,0	TN..220408	**ITSN433**	**KLM46**	2.5 mm	**CKM9**	**STCM4**	4 mm
1102716	**MTGNL3232P22**	106	25	40,0	170	32,0	TN..220408	**ITSN433**	**KLM46**	2.5 mm	**CKM9**	**STCM4**	4 mm



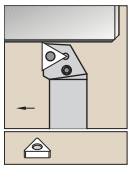


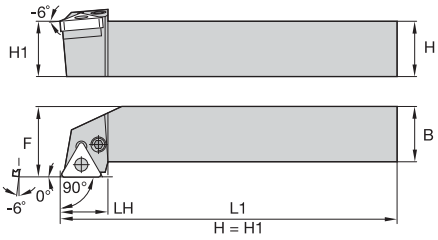


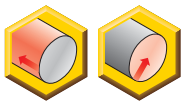
PTFN 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim pin	punch pin	lever	lever screw	hex
right hand													
1244843	PTFNR2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1244844	PTFNR2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
left hand													
1244839	PTFNL2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1244726	PTFNL2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP



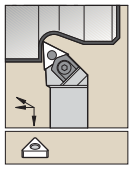


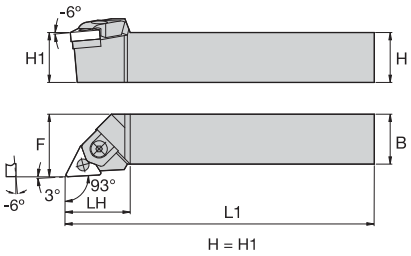


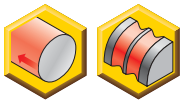
PTGN 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim pin	punch pin	lever	lever screw	hex
right hand													
1156972	PTGNR1616H16	16	16	20,0	100	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1244850	PTGNR2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1192394	PTGNR2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1244851	PTGNR2525M22	25	25	32,0	150	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
left hand													
1244791	PTGNL1616H16	16	16	20,0	100	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1244848	PTGNL2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1244792	PTGNL2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
1244778	PTGNL2525M22	25	25	32,0	150	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP







MTJN 93°

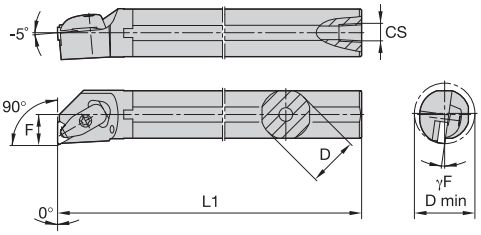




order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim pin	clamp assembly	hex
right hand											
1192350	**MTJNR2020K16H4**	20	20	25,0	125	32,0	TN..160408	**512.125**	**513.125**	**551.125**	3 mm
1192352	**MTJNR2525M16H4**	25	25	32,0	150	32,0	TN..160408	**512.125**	**513.125**	**551.125**	3 mm
1245000	**MTJNR2525M22H4**	25	25	32,0	150	36,0	TN..220408	**512.126**	**513.126**	**551.126**	3 mm
1244998	**MTJNR3225P16H4**	32	25	32,0	170	32,0	TN..160408	**512.125**	**513.125**	**551.125**	3 mm
1244999	**MTJNR3225P22H4**	32	25	32,0	170	36,0	TN..220408	**512.126**	**513.126**	**551.126**	3 mm
left hand											
1244996	**MTJNL2020K16H4**	20	20	25,0	125	32,0	TN..160408	**512.125**	**513.125**	**551.125**	3 mm
1245002	**MTJNL2525M16H4**	25	25	32,0	150	32,0	TN..160408	**512.125**	**513.125**	**551.125**	3 mm
1245001	**MTJNL2525M22H4**	25	25	32,0	150	36,0	TN..220408	**512.126**	**513.126**	**551.126**	3 mm
1244997	**MTJNL3225P16H4**	32	25	32,0	170	32,0	TN..160408	**512.125**	**513.125**	**551.125**	3 mm



Steel shank with through coolant.



A-DTFN-KC 90°

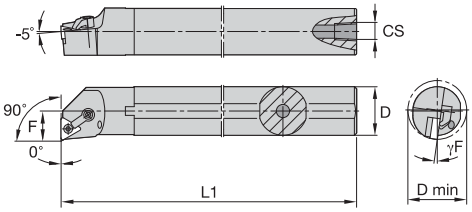


order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
2441866	**A25RDTFNR16KC04**	25	32,0	17,0	200	1/4-18 NPT	-14.0	TN..160408	**ITSN323**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441870	**A32SDTFNR16KC04**	32	40,0	22,0	250	1/4-18 NPT	-12.0	TN..160408	**ITSN323**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
left hand														
2441869	**A25RDTFNL16KC04**	25	32,0	17,0	200	1/4-18 NPT	-14.0	TN..160408	**ITSN323**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP

Kenloc™ Boring Bars



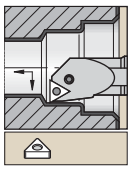
Steel shank with through coolant.



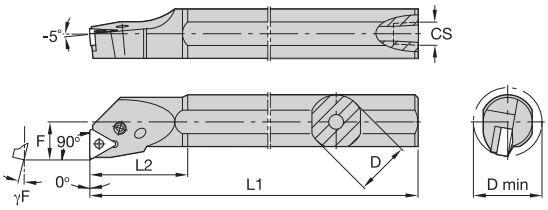
A-MTFN 90°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand														
1098121	**A25RMTFNR16**	25	32,0	17,0	200	1/4-18 NPT	-14.0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1098123	**A32SMTFNR16**	32	40,0	22,0	250	1/4-18 NPT	-12.0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1098125	**A40TMTFNR16**	40	50,0	27,0	300	1/4-18 NPT	-9.0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
left hand														
1098122	**A25RMTFNL16**	25	32,0	17,0	200	1/4-18 NPT	-14.0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm
1098124	**A32SMTFNL16**	32	40,0	22,0	250	1/4-18 NPT	-12.0	TN..160408	**ITSN322**	**KLM34L**	2 mm	**CKM21**	**STCM20**	3 mm



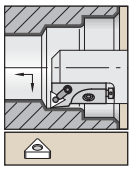
Steel shank with through coolant.

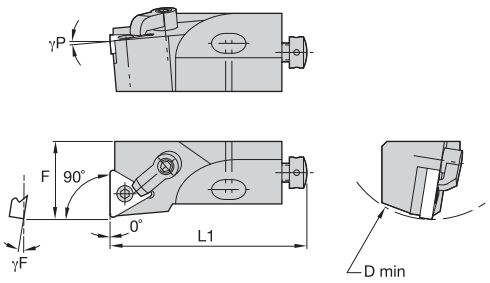


A-PTFN 90°



order number	catalogue number	D	D min	F	L1	L2	CS	γF°	gage insert	shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand															
2447535	**A16RPTFNR11**	16	20,0	11,0	200	28	1/8-27 NPT	-14.0	TN..110304	–	–	–	**511.011**	**514.111**	8 IP
2447536	**A20SPTFNR11**	20	25,0	13,0	250	30	1/8-27 NPT	-12.0	TN..110304	–	–	–	**511.011**	**514.111**	8 IP
2447537	**A25TPTFNR16**	25	32,0	17,0	300	40	1/4-18 NPT	-12.0	TN..160408	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP
2447539	**A32UPTFNR16**	32	40,0	22,0	350	50	1/4-18 NPT	-10.0	TN..160408	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP
2447504	**A40VPTFNR22**	40	48,0	27,0	400	55	1/4-18 NPT	-10.0	TN..220408	**512.023**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
left hand															
2447489	**A20SPTFNL11**	20	25,0	13,0	250	30	1/8-27 NPT	-12.0	TN..110304	–	–	–	**511.011**	**514.111**	8 IP
2447538	**A25TPTFNL16**	25	32,0	17,0	300	40	1/4-18 NPT	-12.0	TN..160408	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP
2447503	**A32UPTFNL16**	32	40,0	22,0	350	50	1/4-18 NPT	-10.0	TN..160408	**512.013**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP





MTFN 90°

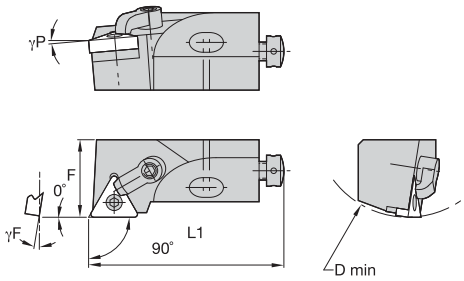
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
2078236	**MTFNR12CA16**	50	20,0	55	-9.0	-5.0	TN..160408/TN..332
2074429	**MTFNR16CA16**	60	25,0	63	-9.0	-5.0	TN..160408/TN..332
3330208	**MTFNR20CA22**	70	25,0	70	-9.0	-5.0	TN..220408/TN..432
left hand							
2057426	**MTFNL12CA16**	50	20,0	55	-9.0	-5.0	TN..160408/TN..332
2193621	**MTFNL16CA16**	60	25,0	63	-9.0	-5.0	TN..160408/TN..332
3330207	**MTFNL20CA22**	70	25,0	70	-9.0	-5.0	TN..220408/TN..432

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	–	**KLM33L**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**
60	**ITSN322**	**KLM34L**	2 mm	**CKM34**	**STCM9**	2 mm	**KUAM25**	2 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**
70	**ITSN433**	**KLM46**	2.5 mm	**CKM35**	**STCM37**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**





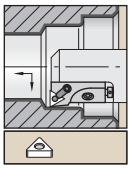
MTGN 90°

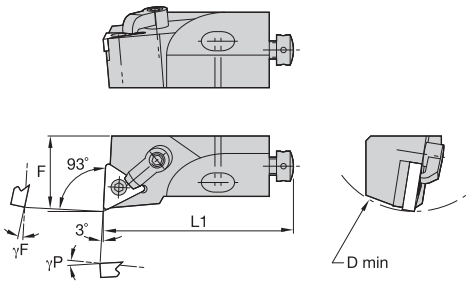
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
2114041	**MTGNR12CA16**	50	20,0	55	-9.0	-5.0	TN..160408/TN..332
3330285	**MTGNR16CA16**	60	25,0	63	-9.0	-5.0	TN..160408/TN..332
left hand							
3346275	**MTGNL12CA16**	50	20,0	55	-9.0	-5.0	TN..160408/TN..332
3330209	**MTGNL20CA22**	70	25,0	70	-9.0	-5.0	TN..220408/TN..432

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**–**	**KLM33L**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**
60	**ITSN322**	**KLM34L**	2 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**
70	**ITSN433**	**KLM46**	2.5 mm	**CKM35**	**STCM37**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**





MTUN 93°

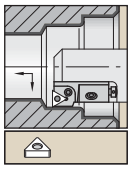
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098536	**MTUNR20CA22**	70	25,0	70	-9.0	-5.0	TN..220408/TN..432
left hand							
1098529	**MTUNL12CA16**	50	20,0	55	-9.0	-5.0	TN..160408/TN..332
1098535	**MTUNL16CA16**	60	25,0	63	-9.0	-5.0	TN..160408/TN..332

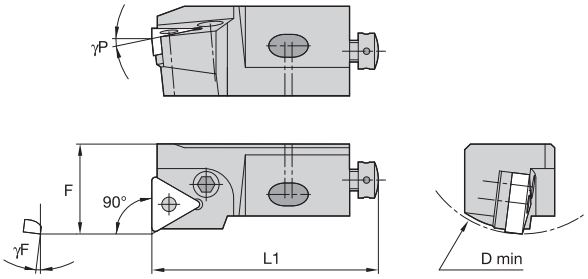
NOTE: Select spare parts based off of D min and the insert size selected.

Spare Parts



D min	shim	lock pin	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	–	**KLM33L**	2 mm	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**
60	**ITSN322**	**KLM34L**	2 mm	**CKM34**	**STCM9**	2.5 mm	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**
70	**ITSN433**	**KLM46**	–	**CKM35**	**STCM37**	2.5 mm	**KUAM25**	2.5 mm	**KUAM33**	**191.407**	5 mm	**CSWM 080 050**





PTFN 90°

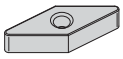
order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1188641	**PTFNR12CA-16**	50	20,0	55	-7.0	-6.0	TN..160408/TN..332
left hand							
1244457	**PTFNL12CA-16**	50	20,0	55	-7.0	-6.0	TN..160408/TN..332

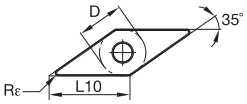
Spare Parts



D min	toggle lever	lever screw	wrench size lever screw	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**511.030**	**514.112**	8 IP	**KUAM28**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**

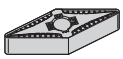
● first choice
○ alternate choice

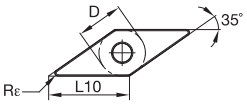




VNGA

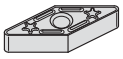
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
VNGA160404	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNGA160408	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

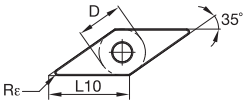




VNGG-FS

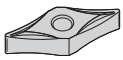
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNGG160401FS	9,53	16,61	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
VNGG160402FS	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
VNGG160404FS	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
VNGG160408FS	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–

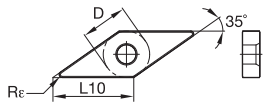




VNGG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNGG160402LF	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
VNGG160404LF	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
VNGG160408LF	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–
VNGG220408LF	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–

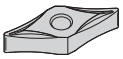


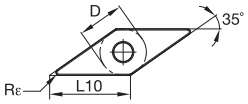


VNGP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNGP160401	9,53	16,61	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–
VNGP160402	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–
VNGP220404	12,70	22,14	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
VNGP220408	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–

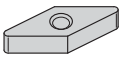
● first choice
○ alternate choice

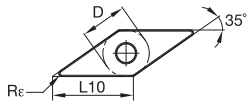




VNGP-K

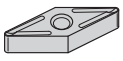
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
VNGP160404K	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–
VNGP160408K	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–
VPGP443K	12,70	22,14	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

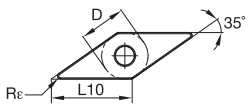




VNMA

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMA160408	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

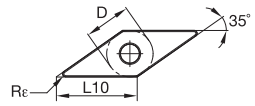




VNMG

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160408	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNMG160412	9,53	16,61	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNMG220408	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VNMG220412	12,70	22,14	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

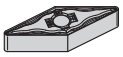


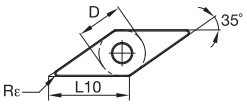


VNMG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160408LF	9,53	16,61	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG220404LF	12,70	22,14	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG220408LF	12,70	22,14	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

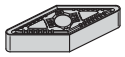
● first choice
○ alternate choice

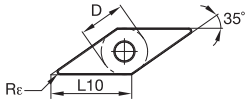




VNMG-FF

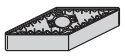
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
VNMG160404FF	9,53	16,61	0,4	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	●	–	●
VNMG160408FF	9,53	16,61	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●

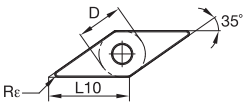




VNMG-FN

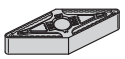
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160404FN	9,53	16,61	0,4	–	●	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
VNMG160408FN	9,53	16,61	0,8	–	●	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●

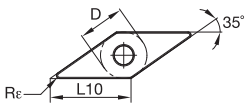




VNMG-FP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160404FP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	●	–	–	●
VNMG160408FP	9,53	16,61	0,8	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	●	–	–	●

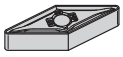


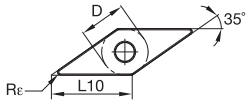


VNMG-MN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160404MN	9,53	16,61	0,4	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160408MN	9,53	16,61	0,8	●	●	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160412MN	9,53	16,61	1,2	–	–	–	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

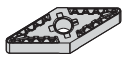
● first choice
○ alternate choice

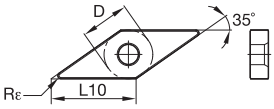




VNMG-MP

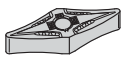
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
VNMG160404MP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–	–	–	●	–	●	–	–	–
VNMG160408MP	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–	–	–	●	–	●	–	–	–
VNMG160412MP	9,53	16,61	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	●	–	–	–

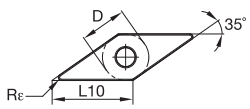




VNMG-MR

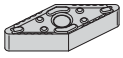
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160412MR	9,52	16,61	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160408MR	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–

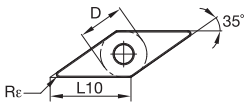




VNMG-MS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160401MS	9,53	16,61	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–	–
VNMG160402MS	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
VNMG160404MS	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
VNMG160408MS	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–
VNMG220404MS	12,70	22,14	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
VNMG220408MS	12,70	22,14	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–

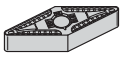


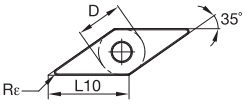


VNMG-P

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160404P	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–
VNMG160408P	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–

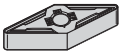
● first choice
○ alternate choice

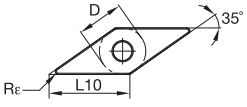




VNMG-RN

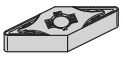
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
VNMG160408RN	9,53	16,61	0,8	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160412RN	9,53	16,61	1,2	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG220408RN	12,70	22,14	0,8	–	–	●	●	●	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG220412RN	12,70	22,14	1,2	–	–	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

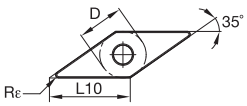




VNMG-RP

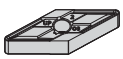
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160408RP	9,53	16,61	0,8	–	–	–	●	–	●	–	–	–	–	–	–	–	●	●	–	–	●	–	–	–	–	–	–	–	●	●	●	–	–	–
VNMG160412RP	9,53	16,61	1,2	–	–	–	●	–	●	–	–	–	–	–	–	●	●	–	●	–	–	–	●	–	–	–	–	–	●	●	–	●	–	–

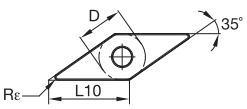




VNMG-UN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160404UN	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG160408UN	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

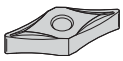


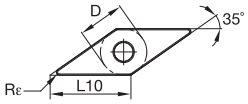


VNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMG160404UP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	–
VNMG160408UP	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	●	–	●	–	–	–
VNMG160412UP	9,53	16,61	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

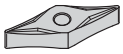
● first choice
○ alternate choice

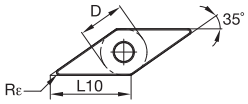




VNMP

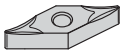
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
VNMP160404	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
VNMP160408	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–

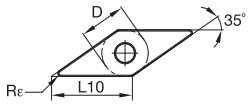




VNMP-K

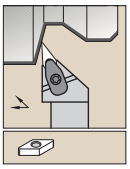
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMP160404K	9,53	16,61	0,4	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
VNMP160408K	9,53	16,61	0,8	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

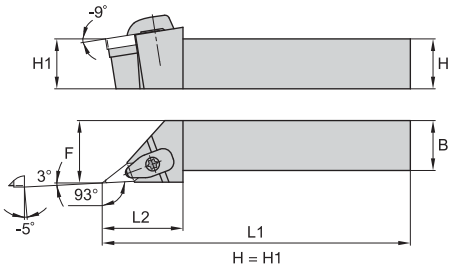


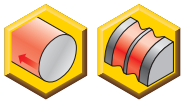


VNMS

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
VNMS160404	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–
VNMS160408	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–



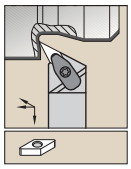


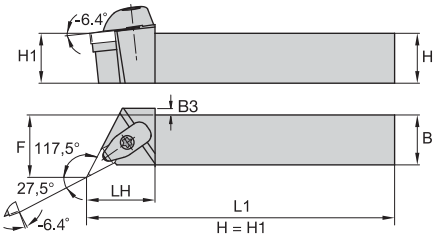


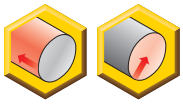
DVJN-KC 93°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand														
2439399	**DVJNR2020K16KC04**	20	20	25,0	125	46,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439401	**DVJNR2525M16KC04**	25	25	32,0	150	46,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439443	**DVJNR3225P16KC04**	32	25	32,0	170	46,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
left hand														
2439400	**DVJNL2020K16KC04**	20	20	25,0	125	46,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439402	**DVJNL2525M16KC04**	25	25	32,0	150	46,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439444	**DVJNL3225P16KC04**	32	25	32,0	170	46,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**



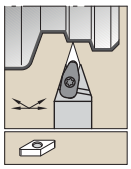


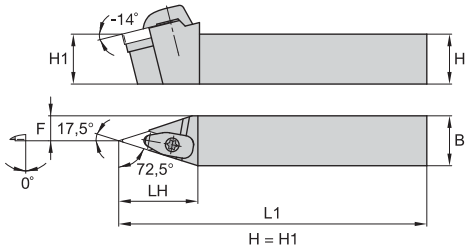


DVON-KC 117,5°



order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
2439449	**DVONR2020K16KC04**	20	20	27,0	125	38,0	5,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439451	**DVONR2525M16KC04**	25	25	32,0	150	38,0	–	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439453	**DVONR3225P16KC04**	32	25	32,0	170	38,0	–	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
left hand															
2439450	**DVONL2020K16KC04**	20	20	27,0	125	38,0	5,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439452	**DVONL2525M16KC04**	25	25	32,0	150	38,0	–	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439454	**DVONL3225P16KC04**	32	25	32,0	170	38,0	–	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**



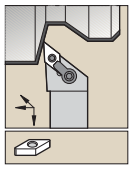


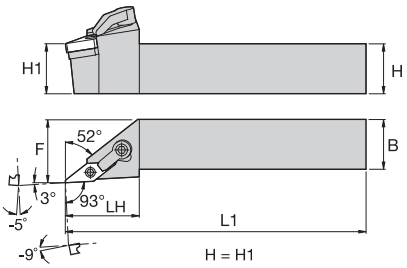


DVVN-KC 72,5°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
2439455	**DVVNN2020K16KC04**	20	20	10,0	150	48,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439456	**DVVNN2525M16KC04**	25	25	12,0	150	48,0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**

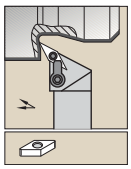


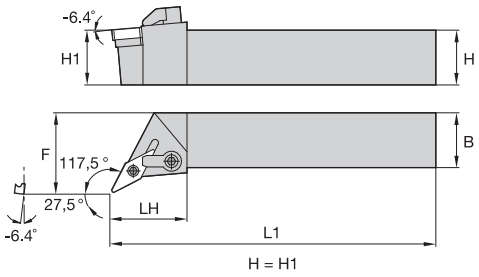


MVJN 93°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1101362	**MVJNR2020K16**	20	20	25,0	125	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1101634	**MVJNR2525M16**	25	25	32,0	150	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1101363	**MVJNR3225P16**	32	25	32,0	170	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1101635	**MVJNR3225P22**	32	25	32,0	170	50,0	VN..220408	**IVSN432**	**KLM46**	2.5 mm	**CKM26**	**STCM4**	4 mm
3612649	**MVJNR3232P16**	32	32	40,5	171	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
left hand													
1102320	**MVJNL2020K16**	20	20	25,0	125	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1102321	**MVJNL2525M16**	25	25	32,0	150	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1102322	**MVJNL3225P16**	32	25	32,0	170	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1102323	**MVJNL3225P22**	32	25	32,0	170	50,0	VN..220408	**IVSN432**	**KLM46**	2.5 mm	**CKM26**	**STCM4**	4 mm
3612650	**MVJNL3232P16**	32	32	40,5	170	37,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm

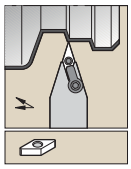


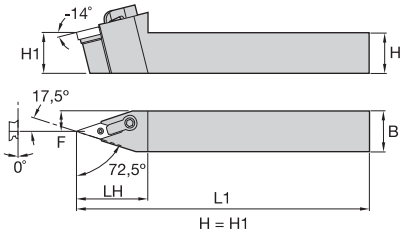


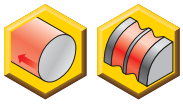
MVON 117,5°



order number	catalogue number	H	B	F	L1	wLH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1102238	**MVONR2525M16**	25	25	32,0	150	30,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
left hand													
1102730	**MVONL2525M16**	25	25	32,0	150	30,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm



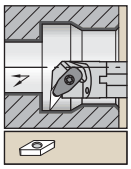




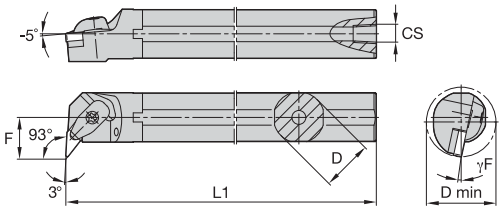
MVVN 72,5°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
1102723	**MVVNN2525M22**	25	25	12,0	150	55,0	VN..220408	**IVSN432**	**KLM46**	2.5 mm	**CKM26**	**STCM4**	4 mm
1102720	**MVVNN2020K16**	42	20	10,0	125	42,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1102721	**MVVNN2525M16**	66	25	12,5	150	42,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
1102722	**MVVNN3225P16**	86	32	12,5	170	42,0	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm



Steel shank with through coolant.

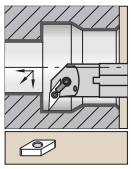




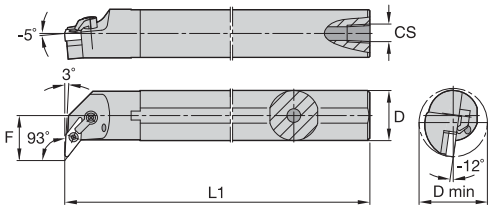
A-DVUN-KC 93°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
2441916	**A32SDVUNR16KC04**	32	40,0	22,0	250	1/4-18 NPT	-9.0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441918	**A40TDVUNR16KC04**	40	50,0	27,0	300	1/4-18 NPT	-8.0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	**SSP025016M**	15 IP
left hand														
2441917	**A32SDVUNL16KC04**	32	40,0	22,0	250	1/4-18 NPT	-9.0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441919	**A40TDVUNL16KC04**	40	50,0	27,0	300	1/4-18 NPT	-8.0	VN..160408	**IVSN322**	**KMSP315IP**	15 IP	**CM215R ASSY**	**SSP025016M**	15 IP



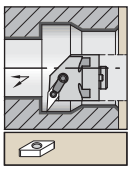
Steel shank with through coolant.



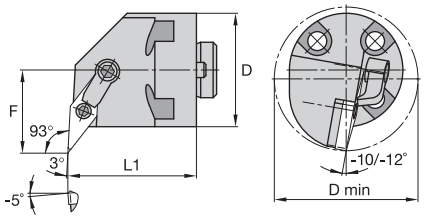
A-MVUN 93°



order number	catalogue number	D	D min	F	L1	CS	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1098128	**A25RMVUNR16**	25	37,0	22,0	200	1/4-18 NPT	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM26**	3 mm
1098130	**A32SMVUNR16**	32	40,0	22,0	250	1/4-18 NPT	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm
left hand													
1098129	**A25RMVUNL16**	25	37,0	22,0	200	1/4-18 NPT	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM26**	3 mm
1098131	**A32SMVUNL16**	32	40,0	22,0	250	1/4-18 NPT	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM31**	**STCM20**	3 mm



With through coolant.

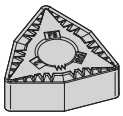


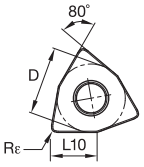
H-MVUN 93°



order number	catalogue number	D	D min	F	L1	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand												
3612215	**H40MVUNR16**	40	50,0	27,0	41	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM22**	**STCM20**	3 mm
3612219	**H50MVUNR16**	50	63,0	35,0	41	VN..160408	**IVSN322**	**KLM34L**	2 mm	**CKM22**	**STCM20**	3 mm

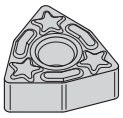
● first choice
○ alternate choice

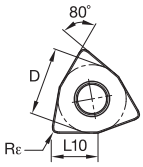




WNGG-FS

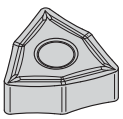
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
WNGG080404FS	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WNGG080408FS	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

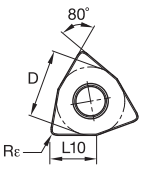




WNGG-LF

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
WNGG080401LF	12,70	8,69	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
WNGG080402LF	12,70	8,69	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
WNGG080404LF	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
WNGG080408LF	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–



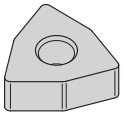


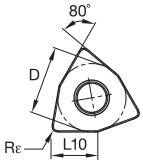
WNGP-K

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
WNGP080408K	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–

● first choice
○ alternate choice

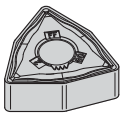
		KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K		○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																									●	●	●	●	●	●	●	
S																									●	●	●	●	●	●		
H																																

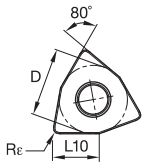




WNMA

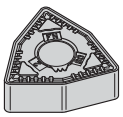
ISO catalogue number	D	L10	Rε
WNMA060408	9,53	6,52	0,8
WNMA060412	9,53	6,52	1,2
WNMA080408	12,70	8,69	0,8
WNMA080412	12,70	8,69	1,2
WNMA080416	12,70	8,69	1,6

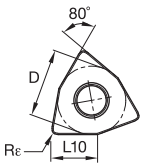




WNMG-FF

ISO catalogue number	D	L10	Rε
WNMG060404FF	9,53	6,52	0,4
WNMG060408FF	9,53	6,52	0,8
WNMG080404FF	12,70	8,69	0,4
WNMG080408FF	12,70	8,69	0,8

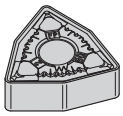


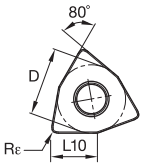


WNMG-FN

ISO catalogue number	D	L10	Rε
WNMG060404FN	9,53	6,52	0,4
WNMG060408FN	9,53	6,52	0,8
WNMG080404FN	12,70	8,69	0,4
WNMG080408FN	12,70	8,69	0,8

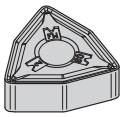
● first choice
○ alternate choice

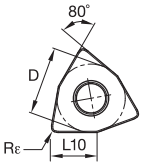




WNMG-FP

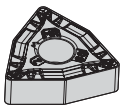
				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
ISO catalogue number	D	L10	Rε																															
WNMG060404FP	9,53	6,52	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	●	–	–	–
WNMG060408FP	9,53	6,52	0,8	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–
WNMG080404FP	12,70	8,69	0,4	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	●	–	–	–
WNMG080408FP	12,70	8,69	0,8	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●	–	●	–	–	–
WNMG080412FP	12,70	8,69	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–

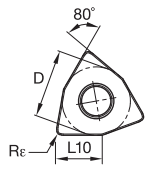




WNMG-FW

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
WNMG060404FW	9,53	6,52	0,4	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●
WNMG060408FW	9,53	6,52	0,8	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
WNMG060412FW	9,53	6,52	1,2	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080404FW	12,70	8,69	0,4	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	●
WNMG080408FW	12,70	8,69	0,8	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●
WNMG080412FW	12,70	8,69	1,2	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



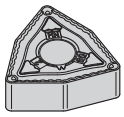


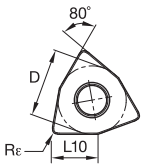


WNMG-MG

				KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
ISO catalogue number	D	L10	Rε																															
WNMG080408MG	12,70	8,69	0,8	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

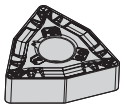
● first choice
○ alternate choice

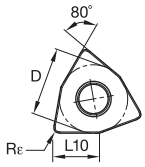




WNMG-MN

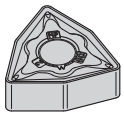
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
P				●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●	●	●
M												○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
K				○	○	○	○	○	○					●	●	●	●	●	●							●	●	●	●	●	●	●		●
N																											●	●	●	●	●	●	●	
S																											●	●	●	●	●	●		
H																																		
WNMG060404MN	9,53	6,52	0,4	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG060408MN	9,53	6,52	0,8	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG060412MN	9,53	6,52	1,2	–	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408MN	12,70	8,69	0,8	–	●	●	●	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080412MN	12,70	8,69	1,2	–	–	●	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080416MN	12,70	8,69	1,6	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

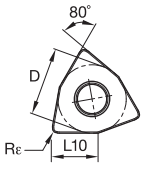




WNMG-MR

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
WNMG060408MR	9,53	6,52	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408MR	12,70	8,69	0,8	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	–	●	–	●	–	–	●	●	–	–	●	–	–	–	–	–
WNMG080412MR	12,70	8,69	1,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●	●	–	–	–	–	–	–	–	–
WNMG080416MR	12,70	8,69	1,6	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

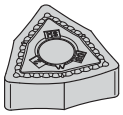


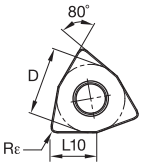


WNMG-MP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
WNMG060404MP	9,53	6,52	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	●	–	●	–	–	–
WNMG060408MP	9,53	6,52	0,8	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	●	–	●	–	–	–
WNMG060412MP	9,53	6,52	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
WNMG080408MP	12,70	8,69	0,8	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	●	–	–	–	●	–	●	–	–	–
WNMG080412MP	12,70	8,69	1,2	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	●	–	–	–	●	–	●	–	–	–

● first choice
○ alternate choice

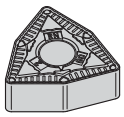


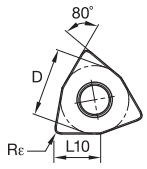


WNMG-MS

| | | |

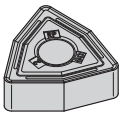
● first choice
○ alternate choice

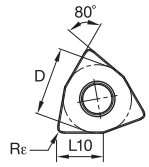




WNMG-RN

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
				P		●	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●		●
				M										○	○							●	●	●	●	●	●		●	●	●	●	●	●		●
				K		○	○	○	○	○	○	○				●	●	●	●	●	●								●	●	●	●	●	●	●		●
				N																							●	●	●	●	●	●	●	●	
				S																							●	●	●	●	●	●			
				H																															
WNMG060408RN	9,53	6,52	0,8	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG060412RN	9,53	6,52	1,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408RN	12,70	8,69	0,8	–	–	●	●	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080412RN	12,70	8,69	1,2	–	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
WNMG080416RN	12,70	8,69	1,6	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

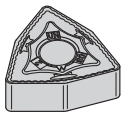


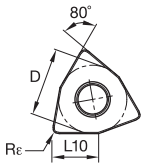


WNMG-RP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
WNMG060408RP	9,53	6,52	0,8	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	●	●	●	–	–	–
WNMG060412RP	9,53	6,52	1,2	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408RP	12,70	8,69	0,8	–	●	●	●	●	●	●	–	●	–	●	●	●	●	●	●	●	●	●	●	●	●	●	–	–	●	●	●	●	–	–
WNMG080412RP	12,70	8,69	1,2	–	●	●	●	●	●	–	●	–	–	–	●	●	●	●	●	–	●	●	●	●	●	●	–	–	●	●	●	–	–	–
WNMG080416RP	12,70	8,69	1,6	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

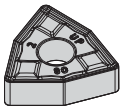
● first choice
○ alternate choice

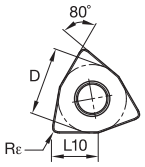




WNMG-UN

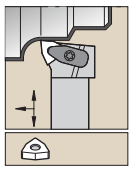
ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
WNMG060408UN	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080404UN	12,70	8,69	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408UN	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080412UN	12,70	8,69	1,2	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080416UN	12,70	8,69	1,6	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

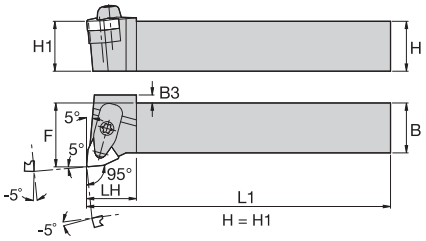




WNMG-UP

ISO catalogue number	D	L10	Rε	KCP05B	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30B	KCP30	KCP40B	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35B	KCM35	KCPK05	K313	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KT315
WNMG060408UP	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
WNMG080408UP	12,70	8,69	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	–	●	–	–	–
WNMG080412UP	12,70	8,69	1,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	●	–	●	–	–	–



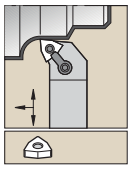


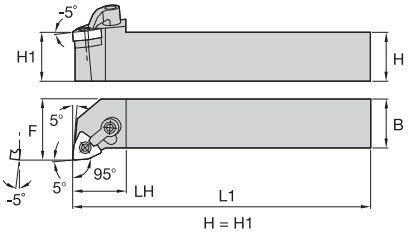


DWLN-KC 95°



order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
2439476	**DWLNR2020K06KC04**	20	20	25,0	125	31,0	—	WN..060408	**IWSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439471	**DWLNR2020K08KC04**	20	20	25,0	125	33,0	—	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
2273451	**DWLNR2525M06KC04**	25	25	32,0	150	25,0	—	WN..060408	**IWSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1908860	**DWLNR2525M08KC04**	25	25	32,0	150	25,0	4,0	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
1908862	**DWLNR3232P08KC04**	32	32	40,0	170	25,0	—	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
left hand															
2439470	**DWLNL2020K06KC04**	20	20	25,0	125	31,0	—	WN..060408	**IWSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
2439472	**DWLNL2020K08KC04**	20	20	25,0	125	33,0	—	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
2273455	**DWLNL2525M06KC04**	25	25	32,0	150	25,0	—	WN..060408	**IWSN322**	**KMSP315IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM34L9IP**
1908861	**DWLNL2525M08KC04**	25	25	32,0	150	25,0	4,0	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**
1908893	**DWLNL3232P08KC04**	32	32	40,0	170	25,0	—	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	15 IP	**SSP025016M**	**KLM4615IP**





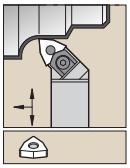


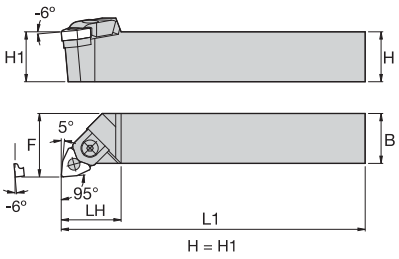
MWLN 95°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand													
1101293	**MWLNR2020K06**	20	20	25,0	125	25,0	WN..060408	**IWSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
1101355	**MWLNR2525M06**	25	25	32,0	150	25,0	WN..060408	**IWSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
3612259	**MWLNR3232P08**	32	32	40,0	170	32,0	WNMA080408	**IWSN433**	**KLM46**	2.5 mm	**CKM7**	**STCM5**	2.5 mm
left hand													
1101292	**MWLNL2020K06**	20	20	25,0	125	25,0	WN..060408	**IWSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
1101354	**MWLNL2525M06**	25	25	32,0	150	25,0	WN..060408	**IWSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
3612260	**MWLNL3232P08**	32	32	40,0	170	32,0	WNMA080408	**IWSN433**	**KLM46**	2.5 mm	**CKM7**	**STCM5**	2.5 mm

Wedgelock™ Toolholders • Wedgelock Inserts



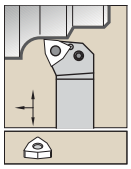


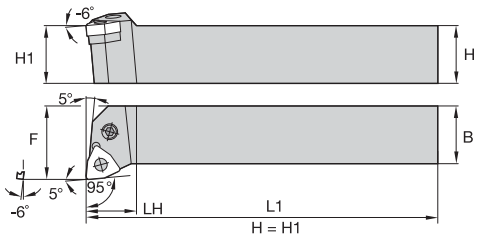


MWLN 95°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	lock pin	set screw	Torx	clamp assembly	hex
right hand													
1244924	**MWLNR2020K08H4**	20	20	25,0	125	32,0	WN..080408	**512.131**	**513.132**	**192.636**	T15	**551.131**	3 mm
1192355	**MWLNR2525M08H4**	25	25	32,0	150	36,0	WN..080408	**512.131**	**513.132**	**192.636**	T15	**551.131**	3 mm
1244925	**MWLNR3225P08H4**	32	25	32,0	170	36,0	WN..080408	**512.131**	**513.132**	**192.636**	T15	**551.131**	3 mm
left hand													
1244921	**MWLNL2020K08H4**	20	20	25,0	125	32,0	WN..080408	**512.131**	**513.132**	**192.636**	T15	**551.131**	3 mm
1244922	**MWLNL2525M08H4**	25	25	32,0	150	36,0	WN..080408	**512.131**	**513.132**	**192.636**	T15	**551.131**	3 mm
1244923	**MWLNL3225P08H4**	32	25	32,0	170	36,0	WN..080408	**512.131**	**513.132**	**192.636**	T15	**551.131**	3 mm





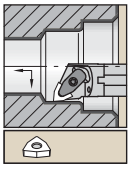


PWLN 95°

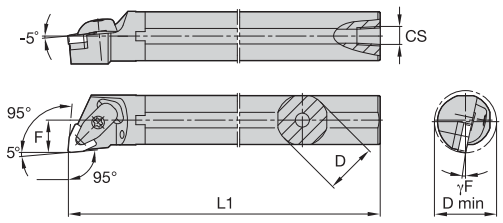


order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand													
1244771	**PWLNR1616H06**	16	16	20,0	100	14,0	WN..060404	**512.134**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP
1192397	**PWLNR2020K06**	20	20	25,0	125	14,0	WN..060404	**512.134**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP
1192398	**PWLNR2020K08**	20	20	25,0	125	20,0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1192399	**PWLNR2525M08**	25	25	32,0	150	26,0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244772	**PWLNR3225P08**	32	25	32,0	170	26,0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
left hand													
1192396	**PWLNL1616H06**	16	16	20,0	100	14,0	WN..060404	**512.134**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP
1244767	**PWLNL2020K06**	20	20	25,0	125	14,0	WN..060404	**512.134**	**513.018**	**515.018**	**511.018**	**514.118**	10 IP
1244768	**PWLNL2020K08**	20	20	25,0	125	20,0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244769	**PWLNL2525M08**	25	25	32,0	150	26,0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244770	**PWLNL3225P08**	32	25	32,0	170	26,0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP

Kenclamp™ Boring Bars



Steel shank with through coolant.

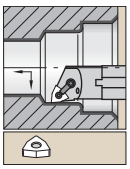




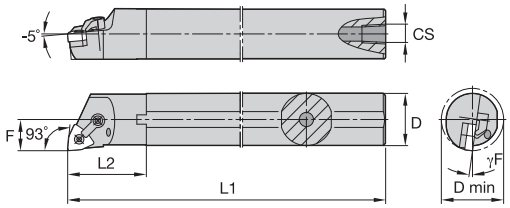
A-DWLN-KC 95°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
2441921	**A25RDWLNR06KC04**	25	32,0	17,0	200	1/4-18 NPT	-14.0	WN..060408	–	–	–	**CM234R ASSY**	**SSP025016M**	15 IP
2441923	**A25RDWLNR08KC04**	25	32,0	17,0	200	1/4-18 NPT	-12.0	WN..080408	–	–	–	**CM234R ASSY**	**SSP025016M**	15 IP
2441925	**A32SDWLNR08KC04**	32	40,0	22,0	250	1/4-18 NPT	-14.0	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
2441927	**A40TDWLNR08KC04**	40	50,0	27,0	300	1/4-18 NPT	-14.0	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP
left hand														
2441922	**A25RDWLNL06KC04**	25	32,0	17,0	200	1/4-18 NPT	-14.0	WN..060408	–	–	–	**CM234R ASSY**	**SSP025016M**	15 IP
2441924	**A25RDWLNL08KC04**	25	32,0	17,0	200	1/4-18 NPT	-12.0	WN..080408	–	–	–	**CM234R ASSY**	**SSP025016M**	15 IP
2441926	**A32SDWLNL08KC04**	32	40,0	22,0	250	1/4-18 NPT	-14.0	WN..080408	**IWSN433**	**KMSP415IP**	15 IP	**CM234R ASSY**	**SSP025016M**	15 IP

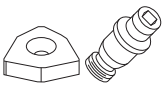


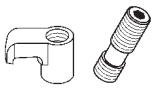
Steel shank with through coolant.



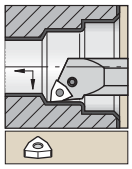


A-MWLN 95°

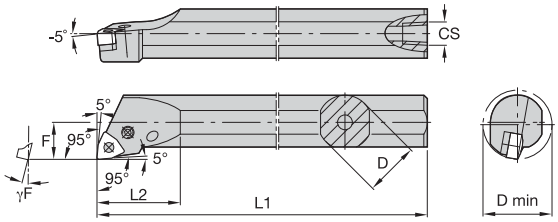




order number	catalogue number	D	D min	F	L1	LH	CS	γF°	gage insert	shim	lock pin	hex	clamp	clamp screw	hex
right hand															
1098771	**A25RMWLNR06**	25	32,0	17,0	200	—	1/4-18 NPT	-12.0	WN..060408	—	**KLM33L**	2 mm	**CKM6**	**STCM5**	2.5 mm
1098773	**A25RMWLNR08**	25	32,0	17,0	200	39,0	1/4-18 NPT	-12.0	WN..080408	—	**KLM43**	2 mm	**CKM20**	**STCM11**	3 mm
1098772	**A32SMWLNR06**	32	40,0	22,0	250	—	1/4-18 NPT	-10.0	WN..060408	**IWSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
1098774	**A32SMWLNR08**	32	40,0	22,0	250	39,7	1/4-18 NPT	-14.0	WN..080408	**IWSN433**	**KLM46**	2.5 mm	**CKM20**	**STCM20**	3 mm
1098775	**A40TMWLNR08**	40	50,0	27,0	300	41,6	1/4-18 NPT	-12.0	WN..080408	**IWSN433**	**KLM46**	2.5 mm	**CKM20**	**STCM20**	3 mm
left hand															
1098783	**A25RMWLNL08**	25	32,0	17,0	200	39,0	1/4-18 NPT	-12.0	WN..080408	—	**KLM43**	2 mm	**CKM20**	**STCM11**	3 mm
1098782	**A32SMWLNL06**	32	40,0	22,0	250	—	1/4-18 NPT	-10.0	WN..060408	**IWSN322**	**KLM34L**	2 mm	**CKM6**	**STCM5**	2.5 mm
1098784	**A32SMWLNL08**	32	40,0	22,0	251	39,7	1/4-18 NPT	-14.0	WN..080408	**IWSN433**	**KLM46**	2.5 mm	**CKM20**	**STCM20**	3 mm
1098785	**A40TMWLNL08**	40	50,0	27,0	300	41,6	1/4-18 NPT	-12.0	WN..080408	**IWSN433**	**KLM46**	2.5 mm	**CKM20**	**STCM20**	3 mm



Steel shank with through coolant.



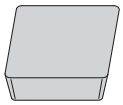
A-PWLN 95°

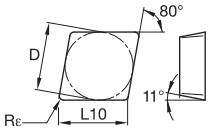


order number	catalogue number	D	D min	F	L1	L2	CS	γF°	gage insert	shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand															
1244113	**A16RPWLNR06**	16	27,0	11,0	200	32	1/8-27 NPT	-12.0	WN..060404	**–**	**–**	**–**	**511.030**	**514.112**	–
1244115	**A20SPWLNR06**	20	25,0	13,0	250	–	1/8-27 NPT	-14.0	WN..060408	**–**	**–**	**–**	**511.030**	**514.112**	8 IP
1194440	**A25RPWLNR08**	25	32,0	17,0	200	–	1/4-18 NPT	-12.0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244118	**A32SPWLNR08**	32	40,0	22,0	250	50	1/4-18 NPT	-10.0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	–
1244120	**A40TPWLNR08**	40	50,0	27,0	300	54	1/4-18 NPT	-8.0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	–
left hand															
1191396	**A16RPWLNL06**	16	27,0	11,0	200	32	1/8-27 NPT	-12.0	WN..060404	**–**	**–**	**–**	**511.030**	**514.112**	–
1244114	**A20SPWLNL06**	20	25,0	13,0	250	–	1/8-27 NPT	-14.0	WN..060408	**–**	**–**	**–**	**511.030**	**514.112**	8 IP
1244116	**A25RPWLNL08**	25	32,0	17,0	200	–	1/4-18 NPT	-12.0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	15 IP
1244117	**A32SPWLNL08**	32	40,0	22,0	250	50	1/4-18 NPT	-10.0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	–
1244119	**A40TPWLNL08**	40	50,0	27,0	300	54	1/4-18 NPT	-8.0	WN..080408	**512.135**	**513.023**	**515.018**	**511.023**	**514.123**	–

● first choice
○ alternate choice

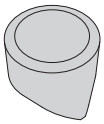
		KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
P		●	○	○	●	●		●	●
M					●	●	●	●	●
K		○	●	●	●	●		●	●
N					●	●		●	●
S					●	●	●	●	●
H									

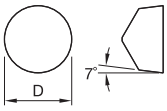




CPGN

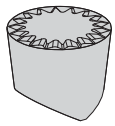
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
CPGN120304	12,70	12,90	0,4	–	–	–	●	●	–	–	–
CPGN120308	12,70	12,90	0,8	–	–	–	●	●	–	–	–

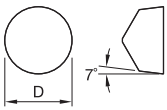




RCGV

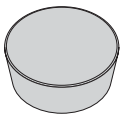
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
RCGV060400	6,35	—	—	–	–	–	–	–	–	●	●
RCGV090700	9,53	—	—	–	–	–	–	–	–	–	●
RCGV120700	12,70	—	—	–	–	–	●	–	–	–	●

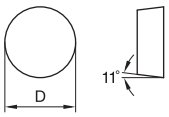




RCGV-MP

ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
RCGX060400MP	6,35	—	—	–	–	–	–	–	●	–	–
RCGX120700MP	12,70	—	—	–	–	–	–	–	●	–	–



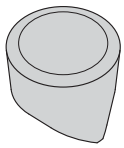


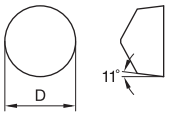
RPGN

ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
RPGN120300	12,70	—	—	–	–	–	●	–	–	–	–

● first choice
○ alternate choice

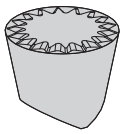
		KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
P		●	○	○	●	●		●	●
M					●	●	●	●	●
K		○	●	●	●	●		●	●
N					●	●		●	●
S					●	●	●	●	●
H									

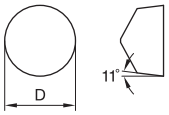




RPGV

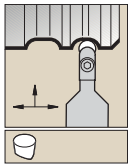
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
RPGV060400	6,35	–	–	–	–	–	–	–	–	–	●
RPGV090700	9,53	–	–	–	–	–	–	–	–	–	●
RPGV120700	12,70	–	–	–	–	–	–	–	–	–	●

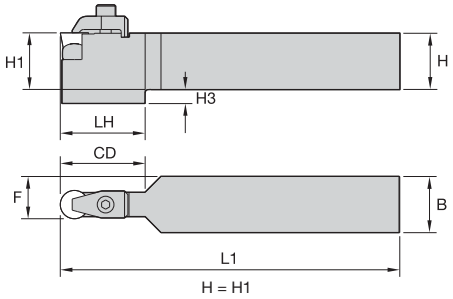




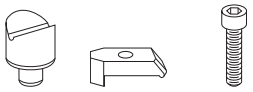
RPGV-MP

ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
RPGX060400MP	6,35	–	–	–	–	–	–	–	●	–	–
RPGX090700MP	9,53	–	–	–	–	–	–	–	●	–	–
RPGV120700MP	12,70	–	–	–	–	–	–	–	–	–	●
RPGX120700MP	12,70	–	–	–	–	–	–	–	●	–	–



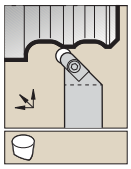


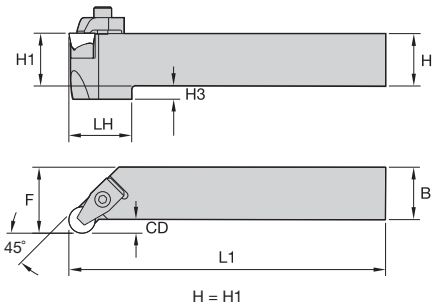
CRDP



order number	catalogue number	H	B	F	L1	LH	H3	CD	gage insert	nest	clamp	clamp screw	hex
3642247	**CRDPN2525M06V**	25	25	12,5	151	—	—	19,0	RPGX060400E	**NST1**	**CM214**	**MS1321**	2.5 mm
3642249	**CRDPN3232P09V**	32	32	16,0	171	—	—	29,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm
3642248	**CRDPN2525M09V**	25	25	12,5	151	—	—	29,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm
3642251	**CRDPN3232P12V**	32	32	16,0	171	—	—	38,0	RPGX120700E	**NST3**	**CM216**	**CS412**	3.5 mm
3642252	**CRDPN3232P15V**	32	32	16,0	171	38,1	6,4	38,0	RPGX151000	**NST4**	**CM217**	**MS1294**	6 mm

NOTE: CRDP toolholders are able to use RPGX and RCGX insert styles.





CRGP

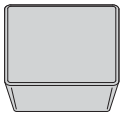


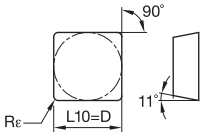
order number	catalogue number	H	B	F	L1	CD	gage insert	nest	clamp	clamp screw	hex
right hand											
3642276	**CRGPR2525M06V**	25	25	32,0	151	7,0	RPGX060400E	**NST1**	**CM214**	**MS1321**	2.5 mm
3642280	**CRGPR3232P09V**	32	32	40,0	171	8,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm
left hand											
3642277	**CRGPL2525M06V**	25	25	32,0	151	7,0	RPGX060400E	**NST1**	**CM214**	**MS1321**	2.5 mm
3642281	**CRGPL3232P09V**	32	32	40,0	171	8,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm

NOTE: CRGP toolholders are able to use RPGX and RCGX insert styles.

● first choice
○ alternate choice

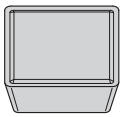
		KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
P		●	○	○	●	●		●	●
M					●	●	●	●	●
K		○	●	●	●	●		●	●
N					●	●		●	●
S					●	●	●	●	●
H									

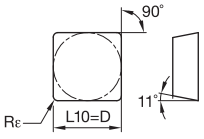




SPGN

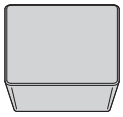
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
SPGN090304	9,53	9,53	0,4	–	–	–	–	●	–	–	●
SPGN090308	9,53	9,53	0,8	–	–	●	–	●	–	–	●
SPGN120304	12,70	12,70	0,4	–	–	–	–	●	–	●	●
SPGN120308	12,70	12,70	0,8	–	–	–	●	●	–	●	●
SPGN120312	12,70	12,70	1,2	–	–	–	–	●	–	–	–
SPGN120412	12,70	12,70	1,2	–	–	–	–	–	–	●	–
SPGN120316	12,70	12,70	1,6	–	–	–	–	–	–	–	●
SPGN190408	19,05	19,05	0,8	–	–	–	–	●	–	–	–
SPGN190412	19,05	19,05	1,2	–	–	–	●	–	–	●	–

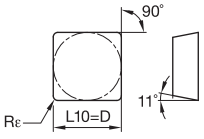




SPGR–K

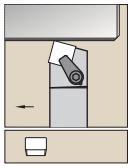
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
SPGR090308K	9,53	9,53	0,8	–	–	–	–	–	–	●	●
SPGR120308K	12,70	12,70	0,8	●	–	–	–	–	–	–	–

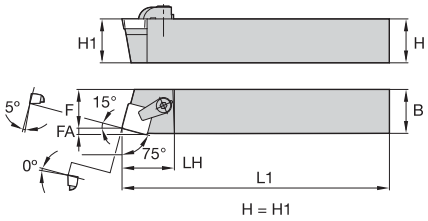




SPUN

ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
SPUN120304	12,70	12,70	0,4	●	–	–	–	●	–	–	–
SPUN120308	12,70	12,70	0,8	●	–	–	–	●	–	–	–
SPUN120312	12,70	12,70	1,2	●	–	–	–	–	–	–	–

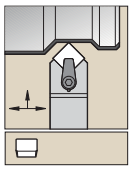


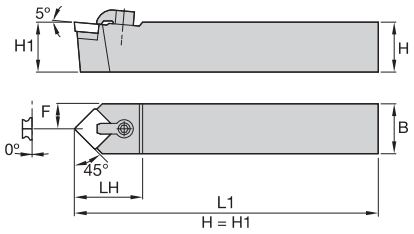


CSBP 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
1097750	**CSBPR2020K12**	20	20	17,0	125	30,0	3,1	SP..120308	**SM840**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm

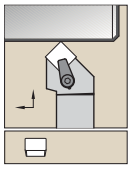


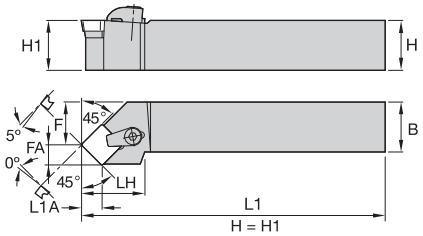


CSDP 45°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
1097754	**CSDPN2020K12**	20	20	10,0	125	32,0	SP..120308	**SM840**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm
1097755	**CSDPN2525M12**	25	25	12,5	150	32,0	SP..120308	**SM840**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm

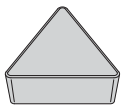


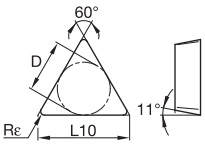


CSSP 45°



order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand															
1244605	**CSSPR2020K12**	20	20	25,0	125	32,0	8,7	8,3	SP..120308	**SM840**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm
1244606	**CSSPR2525M12**	25	25	32,0	150	32,0	8,7	8,3	SP..120308	**SM840**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm
left hand															
1244604	**CSSPL2525M12**	25	25	32,0	150	32,0	8,7	8,3	SP..120308	**SM840**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm



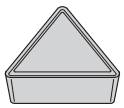


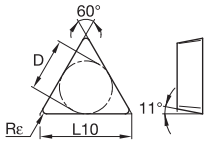
● first choice
○ alternate choice

		KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
P		●	○	○	●	●		●	●
M					●	●	●	●	●
K		○	●	●	●	●		●	●
N					●	●		●	●
S					●	●	●	●	●
H									

TPGN/TPG

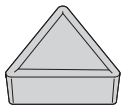
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
TPGN110304	6,35	11,00	0,4	–	–	–	●	●	–	●	●
TPGN110308	6,35	11,00	0,8	–	–	–	–	●	–	●	●
TPGN160302	9,53	16,50	0,2	–	–	–	●	●	–	–	●
TPGN160304	9,53	16,50	0,4	–	–	–	●	●	–	●	●
TPGN160308	9,53	16,50	0,8	–	–	–	●	●	–	●	●
TPGN160312	9,53	16,50	1,2	–	–	–	●	–	–	–	●
TPGN160316	9,53	16,50	1,6	–	–	–	–	●	–	–	●
TPGN220404	12,70	22,00	0,4	–	–	–	●	●	–	●	●
TPGN220408	12,70	22,00	0,8	●	–	–	●	●	–	●	●
TPGN220412	12,70	22,00	1,2	–	–	–	–	●	–	●	●
TPGN220416	12,70	22,00	1,6	–	–	–	–	●	–	–	●

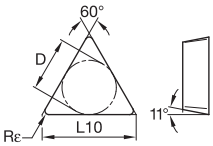




TPGR–K

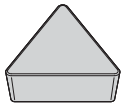
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
TPGR110304K	6,35	11,00	0,4	–	–	–	–	–	–	–	●
TPGR110308K	6,35	11,00	0,8	–	–	–	–	–	–	●	–
TPGR160304K	9,53	16,50	0,4	–	–	–	–	–	–	●	●
TPGR160308K	9,53	16,50	0,8	●	–	–	–	–	–	●	●
TPGR220404K	12,70	22,00	0,4	–	–	–	–	–	–	●	–
TPGR220408K	12,70	22,00	0,8	–	–	–	–	–	–	●	–

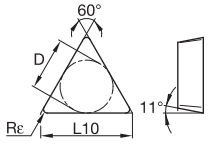




TPMR

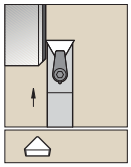
ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
TPMR110304	6,35	11,00	0,4	●	●	–	–	–	–	–	–
TPMR110308	6,35	11,00	0,8	●	–	–	–	–	–	–	–
TPMR160304	9,53	16,50	0,4	●	●	–	–	–	–	–	–
TPMR160308	9,53	16,50	0,8	●	●	–	–	–	–	–	–
TPMR220408	12,70	22,00	0,8	●	–	–	–	–	–	–	–

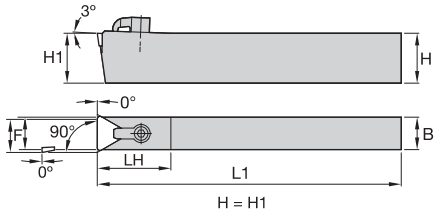




TPUN

ISO catalogue number	D	L10	Rε	KCP25B	KCK15B	KCK15	K313	K68	KCS10	KCU10	KC5010
TPUN110304	6,35	11,00	0,4	–	●	–	–	●	–	–	–
TPUN110308	6,35	11,00	0,8	–	●	–	–	●	–	–	–
TPUN160304	9,53	16,50	0,4	●	●	–	–	●	–	–	–
TPUN160308	9,53	16,50	0,8	●	●	–	–	●	–	–	–
TPUN220408	12,70	22,00	0,8	●	●	–	–	●	–	–	–
TPUN220412	12,70	22,00	1,2	●	●	–	–	●	–	–	–

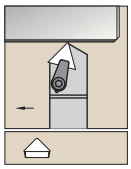


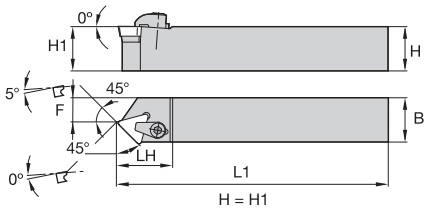


CTCP 90°

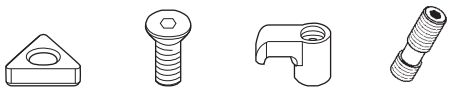


order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
1097775	**CTCPN2510M11**	25	10	10,0	150	26,0	TP..110304	**SM819**	**MS960**	–	**CKM7**	**STCM5**	2.5 mm
1097776	**CTCPN2514M16**	25	14	14,4	150	28,0	TP..160308	**SM841**	**MS111**	2 mm	**CKM13**	**STCM4**	4 mm
1097781	**CTCPN2518M22**	25	18	19,2	150	41,0	TP..220408	**SM837**	**MS125**	2.5 mm	**CKM13**	**STCM4**	4 mm
1097778	**CTCPN2520M22**	25	20	20,2	150	41,0	TP..220408	**SM837**	**MS125**	2.5 mm	**CKM13**	**STCM4**	4 mm

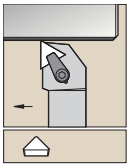


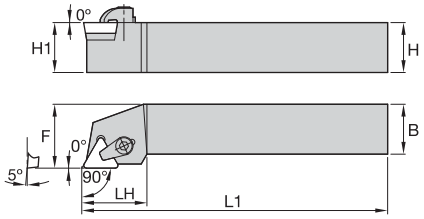


CTDP 45°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	clamp	clamp screw	hex
right hand												
1244613	**CTDPR1212F11**	12	12	6,0	80	22,0	TP..110304	**SM819**	**MS960**	**CKM19**	**STCM9**	2.5 mm

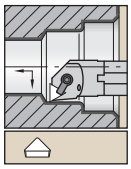




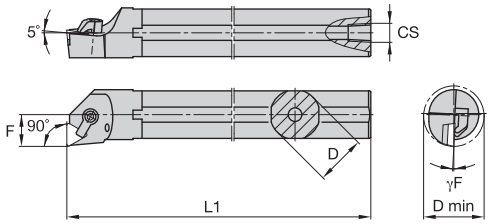
CTGP 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand													
1097762	CTGPR1212F11	12	12	16,0	80	20,0	TP..110304	SM819	MS960	–	CKM19	STCM9	2.5 mm
1097763	CTGPR1616H11	16	16	20,0	100	20,0	TP..110304	SM819	MS960	–	CKM19	STCM9	2.5 mm
1244595	CTGPR2020K11	20	20	25,0	125	20,0	TP..110304	SM819	MS960	–	CKM19	STCM9	2.5 mm
1097764	CTGPR2020K16	20	20	25,0	125	26,0	TP..160308	SM841	MS111	2 mm	CKM10	STCM8	4 mm
1097765	CTGPR2525M16	25	25	32,0	150	26,0	TP..160308	SM841	MS111	2 mm	CKM9	STCM4	4 mm
left hand													
1097916	CTGPL1212F11	12	12	16,0	80	20,0	TP..110304	SM819	MS960	–	CKM19	STCM9	2.5 mm
1097918	CTGPL2020K16	20	20	25,0	125	26,0	TP..160308	SM841	MS111	2 mm	CKM10	STCM8	4 mm
1097919	CTGPL2525M16	25	25	32,0	150	26,0	TP..160308	SM841	MS111	2 mm	CKM9	STCM4	4 mm



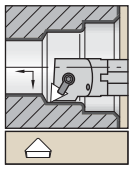
Steel shank with through coolant.



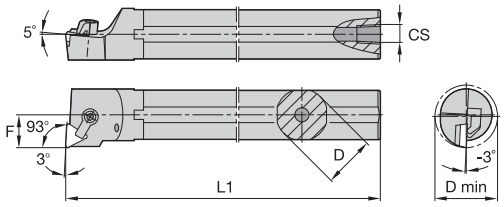
A-CTFP 90°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
1886492	**A16RCTFPR11**	16	20,0	11,0	200	1/8-27 NPT	-4.0	TP..110304	**–**	**–**	–	**CKM19**	**STCM9**	2.5 mm
1098051	**A20QCTFPR11**	20	25,0	13,0	180	1/8-27 NPT	0.0	TP..110304	**SM815**	**MS961**	–	**CKM19**	**STCM9**	2.5 mm
1098053	**A25RCTFPR16**	25	32,0	17,0	200	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
1098055	**A32SCTFPR16**	32	40,0	22,0	250	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
1886494	**A40VCTFPR16**	40	48,0	27,0	400	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
left hand														
1098054	**A25RCTFPL16**	25	32,0	17,0	200	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
1098056	**A32SCTFPL16**	32	40,0	22,0	250	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm



Steel shank with through coolant.



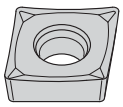
A-CTUP 93°

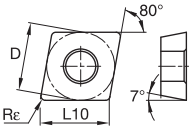


order number	catalogue number	D	D min	F	L1	CS	gage insert	shim	shim screw	clamp	clamp screw	hex
right hand												
1098057	**A16MCTUPR11**	16	20,0	11,0	150	1/8-27 NPT	TP..110304	**SM815**	**MS961**	**CKM19**	**STCM9**	2.5 mm
left hand												
1098058	**A16MCTUPL11**	16	20,0	11,0	150	1/8-27 NPT	TP..110304	**SM815**	**MS961**	**CKM19**	**STCM9**	2.5 mm

● first choice
○ alternate choice

		KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P		●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M								○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K		○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																				●	●	●		●	●	●	●	●		
S																				●	●	●	●	●	●	●	●			
H																														

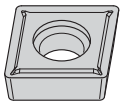


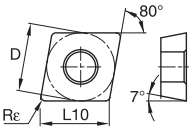


CCGT-HP

ISO catalogue number	D	L10	Rε
CCGT060202HP	6,35	6,45	0,2
CCGT060204HP	6,35	6,45	0,4
CCGT060208HP	6,35	6,45	0,8
CCGT09T302HP	9,53	9,67	0,2
CCGT09T304HP	9,53	9,67	0,4
CCGT09T308HP	9,53	9,67	0,8
CCGT120402HP	12,70	12,90	0,2
CCGT120404HP	12,70	12,90	0,4
CCGT120408HP	12,70	12,90	0,8

KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	●	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	●	–	–



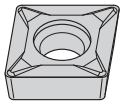


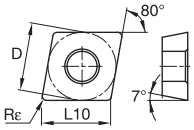
CCGT-LF

ISO catalogue number	D	L10	Rε
CCGT0602X0LF	6,35	6,45	0,0
CCGT060201LF	6,35	6,45	0,1
CCGT060202LF	6,35	6,45	0,2
CCGT060204LF	6,35	6,45	0,4
CCGT060208LF	6,35	6,45	0,8
CCGT09T3X0LF	9,53	9,67	0,0
CCGT09T301LF	9,53	9,67	0,1
CCGT09T302LF	9,53	9,67	0,2
CCGT09T304LF	9,53	9,67	0,4
CCGT09T308LF	9,53	9,67	0,8

KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	–	–	–

● first choice
○ alternate choice

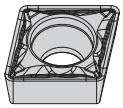


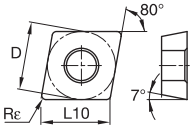


CCMT-11

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
CCMT060202	6,35	6,45	0,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–	–
CCMT060204	6,35	6,45	0,4	●	●	●	●	●	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT060208	6,35	6,45	0,8	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT09T302	9,53	9,67	0,2	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT09T304	9,53	9,67	0,4	●	●	–	●	●	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT09T308	9,53	9,67	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT120404	12,70	12,90	0,4	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–
CCMT120408	12,70	12,90	0,8	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–
CCMT120412	12,70	12,90	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

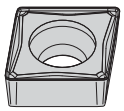
NOTE: Indexable Inserts for S-clamping.

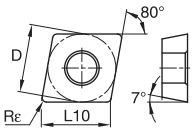




CCMT-FP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CCMT060202FP	6,35	6,45	0,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–	–
CCMT060204FP	6,35	6,45	0,4	●	●	●	●	●	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT060208FP	6,35	6,45	0,8	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT09T302FP	9,53	9,67	0,2	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT09T304FP	9,53	9,67	0,4	●	●	–	●	●	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT09T308FP	9,53	9,67	0,8	–	●	●	●	●	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–	–	●	●	–	–	–	–	●
CCMT120404FP	12,70	12,90	0,4	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–
CCMT120408FP	12,70	12,90	0,8	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–
CCMT120412FP	12,70	12,90	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

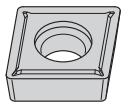


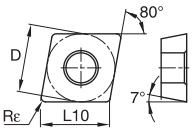


CCMT-FW

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CCMT060202FW	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CCMT060204FW	6,35	6,45	0,4	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–
CCMT060208FW	6,35	6,45	0,8	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CCMT09T304FW	9,53	9,67	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–
CCMT09T308FW	9,53	9,67	0,8	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–

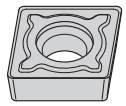
● first choice
○ alternate choice

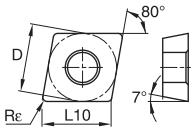




CCMT-LF

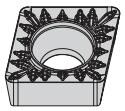
				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
ISO catalogue number	**D**	**L10**	**Rε**																													
CCMT060202LF	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
CCMT060204LF	6,35	6,45	0,4	–	●	●	●	●	●	–	–	●	●	●	●	●	●	●	●	●	–	●	–	–	–	–	–	●	●	–	●	–
CCMT060208LF	6,35	6,45	0,8	●	–	●	●	●	●	–	●	●	●	●	●	–	●	–	–	●	–	–	–	–	–	–	–	●	●	–	●	–
CCMT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	●	–
CCMT09T304LF	9,53	9,67	0,4	–	●	●	●	●	●	–	–	●	●	●	–	●	●	–	●	●	●	–	●	–	–	–	–	–	●	●	–	●	–
CCMT09T308LF	9,53	9,67	0,8	●	●	●	●	●	●	–	–	●	●	●	●	●	●	–	●	●	●	–	●	–	–	–	–	–	●	–	–	●	–
CCMT120404LF	12,70	12,90	0,4	–	–	●	●	●	●	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CCMT120408LF	12,70	12,90	0,8	–	●	●	●	●	●	–	–	–	–	●	●	●	–	–	●	–	●	–	–	–	–	–	–	–	●	●	–	–	–
CCMT120412LF	12,70	12,90	1,2	–	–	●	●	–	–	–	–	–	–	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

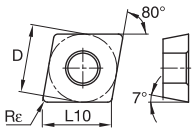




CCMT-MF

				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
ISO catalogue number	**D**	**L10**	**Rε**																													
CCMT060204MF	6,35	6,45	0,4	–	●	●	●	●	●	–	–	–	–	●	–	●	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–
CCMT09T304MF	9,53	9,67	0,4	–	●	–	●	●	●	–	–	–	●	●	●	●	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–
CCMT09T308MF	9,53	9,67	0,8	–	●	–	●	●	●	–	–	–	●	●	●	●	●	–	●	●	●	–	–	–	–	–	–	–	●	–	–	–	–
CCMT09T312MF	9,53	9,67	1,2	–	–	●	●	●	–	–	–	–	–	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT120408MF	12,70	12,90	0,8	–	●	●	●	●	●	–	–	–	●	●	●	●	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–
CCMT120412MF	12,70	12,90	1,2	–	–	–	●	●	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

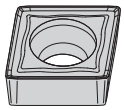


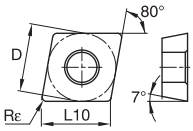


CCMT-MP

				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
ISO catalogue number	**D**	**L10**	**Rε**																													
CCMT060204MP	6,35	6,45	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–
CCMT09T304MP	9,53	9,67	0,4	–	–	●	–	●	–	–	–	–	–	–	●	–	●	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–
CCMT09T308MP	9,53	9,67	0,8	–	–	●	–	●	–	–	–	–	–	–	●	●	●	–	●	●	–	–	–	–	●	–	–	–	–	–	–	–	–
CCMT09T312MP	9,53	9,67	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–
CCMT120408MP	12,70	12,90	0,8	–	–	●	–	●	–	–	–	–	–	–	●	●	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–
CCMT120412MP	12,70	12,90	1,2	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–

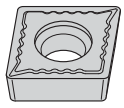
● first choice
○ alternate choice

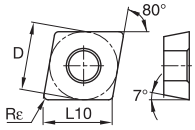




CCMT-MW

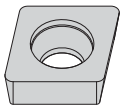
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
CCMT09T304MW	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–
CCMT09T308MW	9,53	9,67	0,8	–	–	–	–	●	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–
CCMT120404MW	12,70	12,90	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCMT120408MW	12,70	12,90	0,8	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

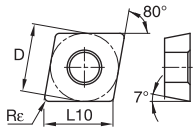




CCMT-UF

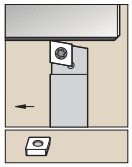
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CCMT060204UF	6,35	6,45	0,4	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCMT09T302UF	9,53	9,67	0,2	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCMT09T304UF	9,53	9,67	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCMT09T308UF	9,53	9,67	0,8	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

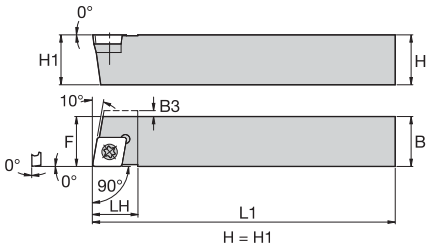


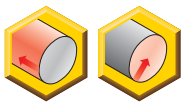


CCMW

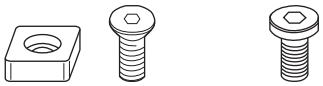
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CCMW060204	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMW09T308	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMW120408	12,70	12,90	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMW120412	12,70	12,90	1,2	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



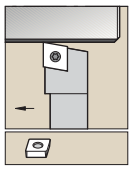


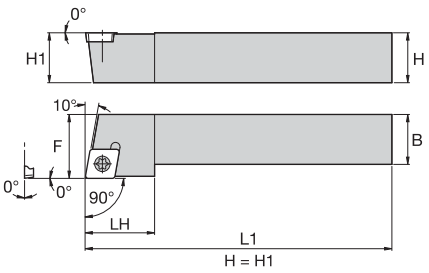


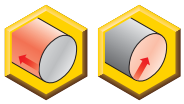
SCAC 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	hex
right hand												
1097708	**SCACR1010M06Q**	10	10	10,0	150	11,0	CC..060204	–	–	–	**MS1153**	T7
1097710	**SCACR1212M06Q**	12	12	12,0	150	11,0	CC..060204	–	–	–	**MS1153**	T7
1097714	**SCACR1616K09Q**	16	16	16,0	125	16,0	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15



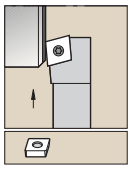


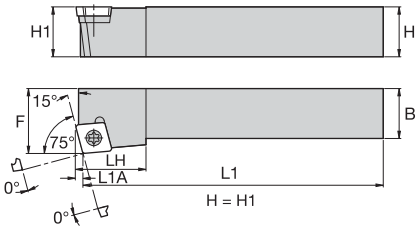


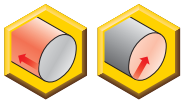
SCGC 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
right hand									
1097824	**SCGCR1010M06**	10	10	12,0	150	11,0	CC..060204	**MS1153**	T7
1097825	**SCGCR1212N09**	12	12	16,0	160	16,0	CC..09T308	**MS1155**	T15
left hand									
1097970	**SCGCL1212N09**	12	12	16,0	160	16,0	CC..09T308	**MS1155**	T15





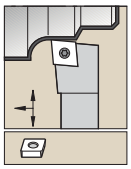


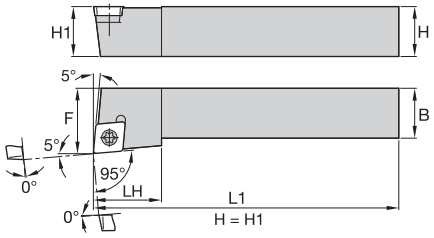
SCKC 75°





order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
1097840	**SCKCR2020K09**	20	20	25,0	125	16,0	2,3	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15





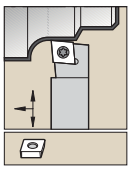


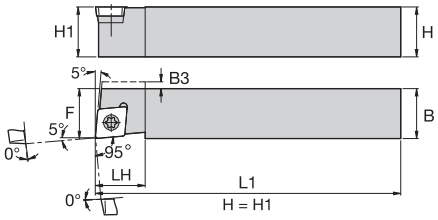
SCLC 95°





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097814	**SCLCR0808L06**	8	8	10,0	140	12,0	CC..060204	–	–	–	**MS1153**	T7
1097816	**SCLCR1010M06**	10	10	12,0	150	12,0	CC..060204	–	–	–	**MS1153**	T7
1097818	**SCLCR1212N09**	12	12	16,0	160	16,0	CC..09T308	–	–	–	**MS1155**	T15
1097819	**SCLCR1616H09**	16	16	20,0	100	15,8	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097821	**SCLCR2020K09**	20	20	25,0	125	15,8	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097820	**SCLCR2020K12**	20	20	25,0	125	19,8	CC..120408	**SKCP453**	**SRS4**	4 mm	**MS1158**	T15
1244995	**SCLCR2525M09**	25	25	32,0	150	15,8	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097822	**SCLCR2525M12**	25	25	32,0	150	20,0	CC..120408	**SKCP453**	**SRS4**	4 mm	**MS1158**	T15
left hand												
1097959	**SCLCL0808L06**	8	8	10,0	140	12,0	CC..060204	–	–	–	**MS1153**	T7
1097961	**SCLCL1010M06**	10	10	12,0	150	12,0	CC..060204	–	–	–	**MS1153**	T7
1097963	**SCLCL1212N09**	12	12	16,0	160	16,0	CC..09T308	–	–	–	**MS1155**	T15
1097964	**SCLCL1616H09**	16	16	20,0	100	15,8	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097966	**SCLCL2020K09**	20	20	25,0	125	15,8	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097965	**SCLCL2020K12**	20	20	25,0	125	19,8	CC..120408	**SKCP453**	**SRS4**	4 mm	**MS1158**	T15
1318353	**SCLCL2525M09**	25	25	32,0	150	15,8	CC..09T308	**SKCP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097967	**SCLCL2525M12**	25	25	32,0	150	20,0	CC..120408	**SKCP453**	**SRS4**	4 mm	**MS1158**	T15



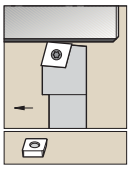


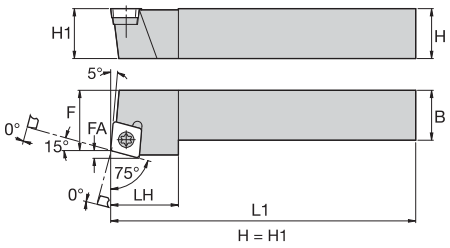


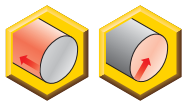
SCLC-F 95°



order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
1772152	SCLCRF0808M06Q	8	8	8,0	150	12,0	1,5	CC..060204	–	–	–	MS1153	T7
1097812	SCLCRF1010M06Q	10	10	10,0	150	11,0	–	CC..060204	–	–	–	MS1153	T7
1097813	SCLCRF1212M06Q	12	12	12,0	150	11,0	–	CC..060204	–	–	–	MS1153	T7
1097817	SCLCRF1616K09Q	16	16	16,0	125	16,0	–	CC..09T308	SKCP343	SRS3	3.5 mm	MS1156	T15



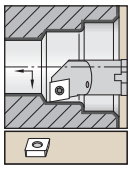




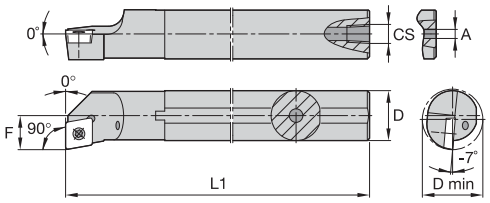
SCRC 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
1097828	SCRCR1212N09	12	12	13,0	160	14,0	2,3	CC..09T308	–	–	–	MS1155	T15
1097829	SCRCR1616H09	16	16	17,0	100	14,0	2,3	CC..09T308	SKCP343	SRS3	3.5 mm	MS1156	T15



Steel shank with through coolant.

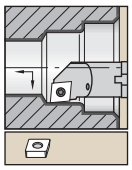




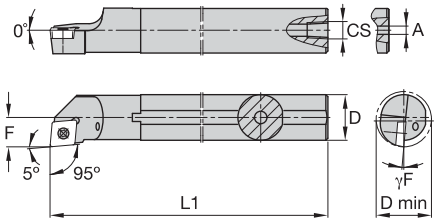
A-SCFC 90°



order number	catalogue number	D	D min	F	L1	CS	gage insert	insert screw	Torx
right hand									
1098266	**A25TSCFCR12**	25	32,0	17,0	300	1/4-18 NPT	CC..120408	**MS1157**	T15
left hand									
1098270	**A25TSCFCL12**	25	32,0	17,0	300	1/4-18 NPT	CC..120408	**MS1157**	T15



Steel shank with through coolant.

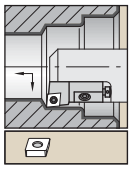


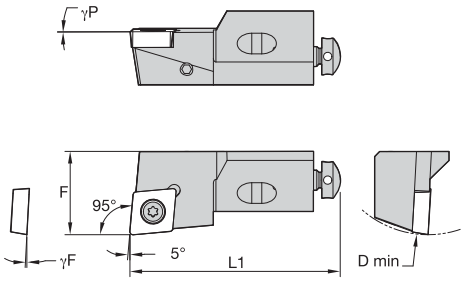


A-SCLC 95°



order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	shim	shim screw	hex	insert screw	Torx
right hand														
1098159	**A08JSCLCR06**	8	11,0	6,0	110	2,4	–	-8.0	CC..060204	–	–	–	**MS1939**	T7
1098168	**A10KSCLCR06**	10	13,0	7,0	125	3,2	–	-7.0	CC..060204	–	–	–	**MS1153**	T7
1098178	**A12MSCLCR06**	12	16,0	9,0	150	4,0	1/16-27 NPT	-6.0	CC..060204	–	–	–	**MS1153**	T7
1098225	**A16RSCLCR09**	16	20,0	11,0	200	4,0	1/8-27 NPT	-7.0	CC..09T308	–	–	–	**MS1155**	T15
1098239	**A20SSCLCR09**	20	25,0	13,0	250	4,0	1/8-27 NPT	-5.0	CC..09T308	–	–	–	**MS1155**	T15
1098268	**A25TSCLCR12**	25	32,0	17,0	300	6,4	1/4-18 NPT	-7.0	CC..120408	–	–	–	**MS1157**	T15
1098280	**A32TSCLCR12**	32	40,0	22,0	300	6,4	1/4-18 NPT	-7.0	CC..120408	**SKCP453**	**SRS4**	4 mm	**MS1158**	T15
left hand														
1098163	**A08JSCLCL06**	8	11,0	6,0	110	2,4	–	-8.0	CC..060204	–	–	–	**MS1939**	T7
1098173	**A10KSCLCL06**	10	13,0	7,0	25	3,2	–	-7.0	CC..060204	–	–	–	**MS1153**	T7
1098183	**A12MSCLCL06**	12	16,0	9,0	150	4,0	1/16-27 NPT	-6.0	CC..060204	–	–	–	**MS1153**	T7
1098231	**A16RSCLCL09**	16	20,0	11,0	200	4,0	1/8-27 NPT	-7.0	CC..09T308	–	–	–	**MS1155**	T15
1098244	**A20SSCLCL09**	20	25,0	13,0	250	4,0	1/8-27 NPT	-5.0	CC..09T308	–	–	–	**MS1155**	T15
1098272	**A25TSCLCL12**	25	32,0	17,0	300	6,4	1/4-18 NPT	-7.0	CC..120408	–	–	–	**MS1157**	T15
1098282	**A32TSCLCL12**	32	40,0	22,0	300	6,4	1/4-18 NPT	-7.0	CC..120408	**SKCP453**	**SRS4**	4 mm	**MS1158**	T15





SCLC 95°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098544	**SCLCR12CA12**	50	20,0	55	-3.0	0.0	CC..120408/CC..432
1098545	**SCLCR16CA12**	60	25,0	63	-3.0	0.0	CC..120408/CC..432
left hand							
1098732	**SCLCL12CA12**	50	20,0	55	-3.0	0.0	CC..120408/CC..432

Spare Parts

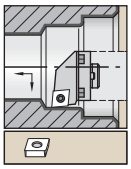




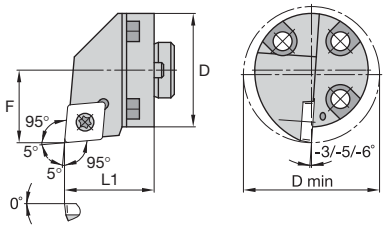


D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**MS1157**	T15	**KUAM23**	2.5 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**
60	**MS1157**	T15	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**

Screw-On Boring Heads



With through coolant.

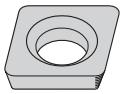


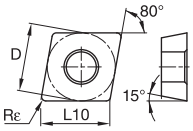
H-SCLC 95°



order number	catalogue number	D	D min	F	L1	gage insert	insert screw	Torx
right hand								
1772253	**H32SCLCR09**	32	40,0	21,9	25	CC..09T308	**MS1155**	T15
3612090	**H40SCLCR12**	40	50,0	27,0	41	CC..120408	**MS1158**	T15

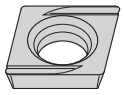
● first choice
○ alternate choice

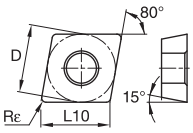




CDHB

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CDHBS4T0S0	3,97	4,03	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–
CDHBS4T0X0	3,97	4,03	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CDHBS4T002	3,97	4,03	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	–	●	–
CDHBS4T004	3,97	4,03	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–

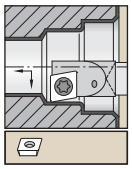




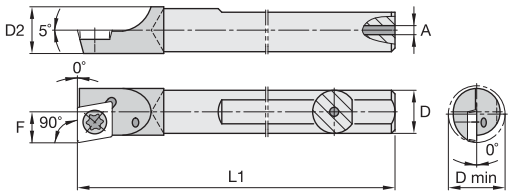
CDHH

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CDHHS4T002L	3,97	4,03	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–
CDHHS4T002R	3,97	4,03	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	●	–
CDHHS4T004L	3,97	4,03	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–
CDHHS4T004R	3,97	4,03	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–

NOTE: Right-hand insert uses left-hand bars.
Left-hand insert uses right-hand bars.



Carbide shank with through coolant.

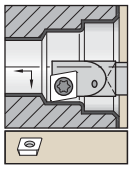




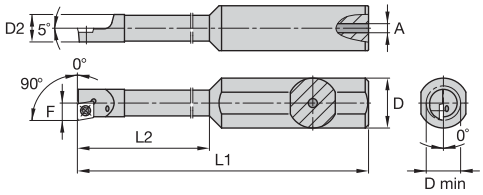
E-SCFD 90°



order number	catalogue number	D	D min	F	L1	A	gage insert	insert screw	Torx
right hand									
1930354	**E05HSCFDRS4**	5	5,9	3,2	101	1,0	CD..S4T002	**CC11**	T6
1930360	**E06HSCFDRS4**	6	7,1	3,7	100	1,2	CD..S4T002	**CC11**	T6



Necked steel shank with through coolant.

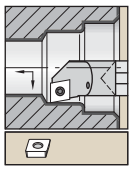




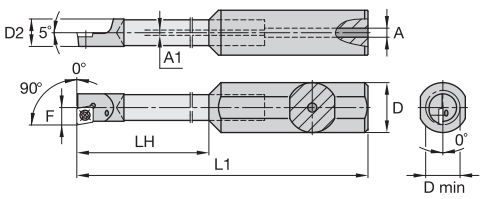
A-SCFD 90° • Stepped



order number	catalogue number	D	D min	D2	F	L1	L2	A	gage insert	insert screw	Torx
right hand											
1930376	**A0510ESCFDRS412**	10	5,9	5,2	3,1	70	12,7	1,0	CD..S4T002	**CC11**	T6
1930380	**A0510ESCFDRS425**	10	5,9	5,2	3,1	70	25,4	1,0	CD..S4T002	**CC11**	T6
1930404	**A0612ESCFDRS431**	12	7,4	6,6	3,9	70	31,8	1,0	CD..S4T002	**CC11**	T6



Necked carbide shank with through coolant.

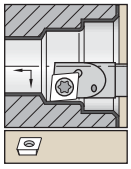




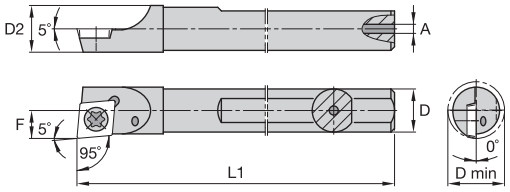
E-SCFD 90° • Stepped



order number	catalogue number	D	D min	D2	F	L1	LH	A	A1	gage insert	insert screw	Torx
right hand												
1930408	**E0512XSCFDRS425**	12	5,9	5,0	3,2	64	10,0	1,0	1,2	CD..S4T002	**CC11**	T6
1930412	**E0512XSCFDRS450**	12	5,9	5,0	3,2	89	10,0	3,2	1,2	CD..S4T002	**CC11**	T6
1930436	**E0616XSCFDRS463**	16	7,4	6,3	3,9	127	12,3	3,2	1,2	CD..S4T002	**CC11**	T6



Steel shank with through coolant.

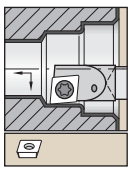




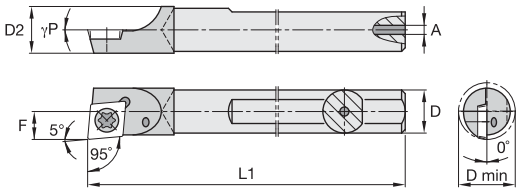
A-SCLD 95°



order number	catalogue number	D	D min	D2	F	L1	A	gage insert	insert screw	Torx
right hand										
1288877	**A04XSCLDRS4**	4	4,6	4,2	2,4	65	1,0	CD..S4T002	**CC09**	T6
1930298	**A05XSCLDRS4**	5	5,8	5,2	3,0	64	1,0	CD..S4T002	**CC09**	T6
1288893	**A06XSCLDRS4**	6	7,1	6,2	3,7	64	1,0	CD..S4T002	**CC11**	T6
1288906	**A08XSCLDRS4**	8	9,0	8,2	4,7	76	1,5	CD..S4T002	**CC11**	T6
left hand										
1288876	**A04XSCLDLS4**	4	4,6	4,2	2,4	65	1,0	CD..S4T002	**CC09**	T6
1930297	**A05XSCLDLS4**	5	5,8	5,2	3,0	64	1,0	CD..S4T002	**CC09**	T6
1288892	**A06XSCLDLS4**	6	7,1	6,2	3,7	64	1,0	CD..S4T002	**CC11**	T6
1288905	**A08XSCLDLS4**	8	9,0	8,2	4,7	76	1,5	CD..S4T002	**CC11**	T6



Carbide shank with through coolant.

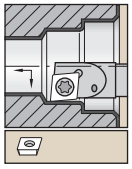




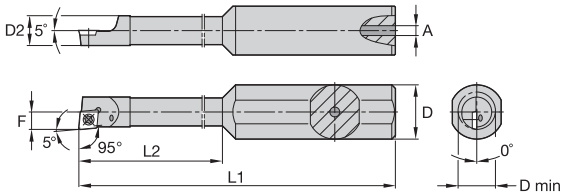
E-SCLD 95°



order number	catalogue number	D	D min	D2	F	L1	A	γP°	gage insert	insert screw	Torx
right hand											
1930300	**E04HSCLDRS4**	4	4,6	4,2	2,4	100	1,0	0.0	CD..S4T002	**CC09**	T6
1270967	**E04MSCLDRS4**	4	4,6	4,2	2,4	152	1,0	0.0	CD..S4T002	**CC09**	T6
1930356	**E05HSCLDRS4**	5	5,9	–	3,0	101	1,0	5.0	CD..S4T002	**CC09**	T6
1930358	**E05MSCLDRS4**	5	5,9	–	3,0	152	1,0	5.0	CD..S4T002	**CC09**	T6
1930362	**E06HSCLDRS4**	6	7,1	–	3,7	100	1,2	5.0	CD..S4T002	**CC11**	T6
1270978	**E06MSCLDRS4**	6	6,9	–	3,7	152	1,2	5.0	CD..S4T002	**CC09**	T6
1270988	**E08MSCLDRS4**	8	9,1	–	4,7	150	2,4	5.0	CD..120605	**CC11**	T6
left hand											
1930299	**E04HSCLDLS4**	4	4,6	4,2	2,4	100	1,0	0.0	CD..S4T002	**CC09**	T6
1270966	**E04MSCLDLS4**	4	4,6	4,2	2,4	152	1,0	0.0	CD..S4T002	**CC09**	T6
1930355	**E05HSCLDLS4**	5	5,9	–	3,0	101	1,0	5.0	CD..S4T002	**CC11**	T6
1930357	**E05MSCLDLS4**	5	5,9	–	3,0	152	1,0	5.0	CD..S4T002	**CC09**	T6
1930361	**E06HSCLDLS4**	6	7,1	–	3,7	100	1,2	5.0	CD..S4T002	**CC11**	T6
1270977	**E06MSCLDLS4**	6	7,1	–	3,7	152	1,2	5.0	CD..S4T002	**CC11**	T6
1270987	**E08MSCLDLS4**	8	9,0	–	4,7	152	2,4	5.0	CD..S4T002	**CC11**	T6



Necked steel shank with through coolant.

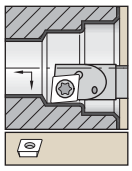




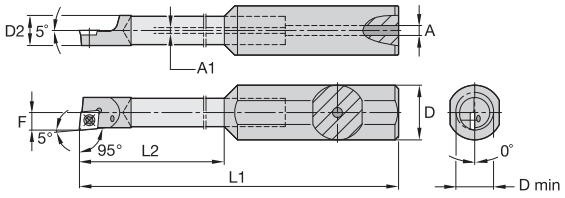
A-SCLD 95° • Stepped



order number	catalogue number	D	D min	F	L1	L2	A	gage insert	insert screw	Torx
right hand										
1930372	**A0410ESCLDRS412**	10	5,2	2,6	70	12,7	1,0	CD..S4T002	**CC09**	T6
1930374	**A0410ESCLDRS425**	10	5,2	2,6	70	25,4	1,0	CD..S4T002	**CC09**	T6
1289129	**A0412ESCLDRS412**	12	5,2	2,6	70	12,7	1,0	CD..S4T002	**CC09**	T6
1289130	**A0412ESCLDRS425**	12	5,2	2,6	70	25,4	1,0	CD..S4T002	**CC09**	T6
1930378	**A0510ESCLDRS412**	10	5,8	3,0	70	12,3	1,0	CD..S4T002	**CC11**	T6
1930382	**A0510ESCLDRS425**	10	5,8	3,0	70	25,0	1,0	CD..S4T002	**CC09**	T6
1098071	**A0510GSCLDRS4**	10	6,0	3,2	90	25,0	3,2	CD..S4T002	**MS1454**	T5
1098073	**A0610HSCLDRS4**	10	7,6	3,8	100	32,0	3,2	CD..S4T002	**MS1454**	T5
1930402	**A0612ESCLDRS419**	12	7,2	3,7	70	19,1	1,0	CD..S4T002	**CC11**	T6



Necked carbide shank with through coolant.



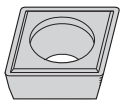


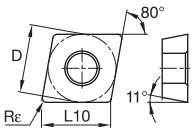
E-SCLD 95° • Stepped



order number	catalogue number	D	D min	D2	F	L1	L2	A	gage insert	insert screw	Torx
right hand											
1930406	**E0412DSCLDRS422**	12	5,3	5,0	2,6	60	22,2	3,2	CD..S4T002	**CC09**	T6
1262129	**E0412XSCLDRS447**	12	5,3	5,0	2,6	86	47,6	3,2	CD..S4T002	**CC09**	T6
1262131	**E0416KSCLDRS447**	16	5,3	5,0	2,6	111	47,6	3,2	CD..S4T002	**CC09**	T6
1930410	**E0512XSCLDRS425**	12	5,9	–	3,0	64	25,4	1,0	CD..S4T002	**CC11**	T6
1930418	**E0612ESCLDRS431**	12	7,2	–	3,7	70	31,8	3,2	CD..S4T002	**CC11**	T6
1262178	**E0612HSCLDRS463**	12	7,2	–	3,7	102	63,5	3,2	CD..S4T002	**CC11**	T6
1930434	**E0616HSCLDRS431**	16	7,2	–	3,7	95	31,8	3,2	CD..S4T002	**CC11**	T6
1262175	**E0616XSCLDRS463**	16	7,2	–	3,7	127	63,5	3,2	CD..120605	**CC11**	T6

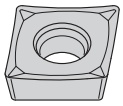
● first choice
○ alternate choice

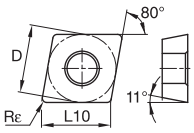




CPGH (T)

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K																												
				N																												
				S																												
				H																												
CPGT060202K	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
CPGT060204K	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	●	–	–	–	–
CPGH09T301	9,53	9,67	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	●	–
CPGH09T302	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	●	–	–	–
CPGH09T304	9,53	9,67	0,4	–	●	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	●	●	●	●	–	●	–
CPGH09T308	9,53	9,67	0,8	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	●	●	●	–	–	–

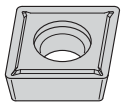


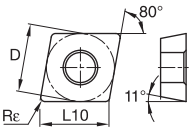


CPGT-HP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CPGT060202HP	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–
CPGT060204HP	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–
CPGT060208HP	6,35	6,45	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–
CPGT09T302HP	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	●	–	–
CPGT09T304HP	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
CPGT09T308HP	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–

● first choice
○ alternate choice

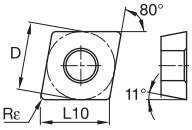




CPGT-LF

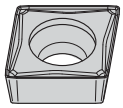
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P ●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
				M							○						●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
				K ○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
				N																		●	●	●		●	●	●	●	●		
				S																		●	●	●	●	●	●	●	●			
				H																												
CPGT060201LF	6,35	6,45	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
CPGT060202LF	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
CPGT060204LF	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
CPGT060208LF	6,35	6,45	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
CPGT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
CPGT09T304LF	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
CPGT09T308LF	9,53	9,67	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–

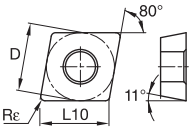




CPMT-FP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CPMT050202FP	5,56	5,65	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
CPMT050204FP	5,56	5,65	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
CPMT060202FP	6,35	6,45	0,2	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	●
CPMT060204FP	6,35	6,45	0,4	–	–	●	●	●	–	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	●
CPMT060208FP	6,35	6,45	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
CPMT09T302FP	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–
CPMT09T304FP	9,53	9,67	0,4	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	●	●	–	–	–	–	–
CPMT09T308FP	9,53	9,67	0,8	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	●

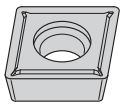


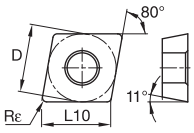


CPMT-FW

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CPMT060202FW	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CPMT060204FW	6,35	6,45	0,4	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–
CPMT060208FW	6,35	6,45	0,8	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–
CPMT09T304FW	9,53	9,67	0,4	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CPMT09T308FW	9,53	9,67	0,8	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–

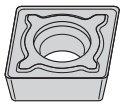
● first choice
○ alternate choice

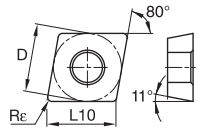




CPMT-LF

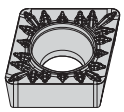
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K																												
				N																												
				S																												
				H																												
CPMT050202LF	5,56	5,65	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPMT050204LF	5,56	5,65	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
CPMT060202LF	6,35	6,45	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
CPMT060204LF	6,35	6,45	0,4	–	●	●	●	●	–	–	–	●	●	●	–	●	–	●	–	●	–	–	●	●	–	–	–	●	●	–	●	–
CPMT060208LF	6,35	6,45	0,8	–	–	●	●	●	●	–	–	●	–	●	–	–	–	–	–	●	–	–	●	–	–	–	–	●	●	–	●	–
CPMT09T302LF	9,53	9,67	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
CPMT09T304LF	9,53	9,67	0,4	●	●	●	●	●	●	–	–	●	●	–	●	●	●	●	●	●	–	–	–	–	–	–	–	●	●	–	●	–
CPMT09T308LF	9,53	9,67	0,8	–	●	●	●	●	●	–	–	●	●	●	●	●	–	●	–	●	–	–	–	●	–	–	–	●	●	–	●	–

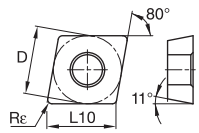




CPMT-MF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CPMT060208MF	6,35	6,45	0,8	–	●	–	●	–	–	–	–	–	–	●	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
CPMT09T308MF	9,53	9,67	0,8	–	●	●	●	●	–	–	–	–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–
CPMT09T312MF	9,53	9,67	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

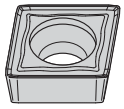


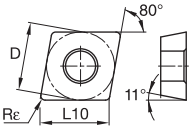


CPMT-MP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CPMT060208MP	6,35	6,45	0,8	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CPMT09T308MP	9,53	9,67	0,8	–	–	●	●	●	–	–	–	–	–	–	–	●	–	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–

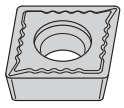
● first choice
○ alternate choice

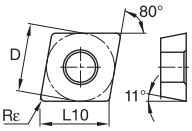




CPMT-MW

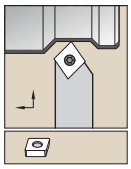
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
CPMT09T304MW	9,53	9,67	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
CPMT09T308MW	9,53	9,67	0,8	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

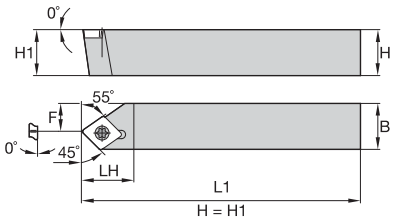




CPMT-UF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
CPMT060204UF	6,35	6,45	0,4	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CPMT09T304UF	9,53	9,67	0,4	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–



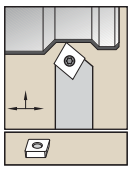


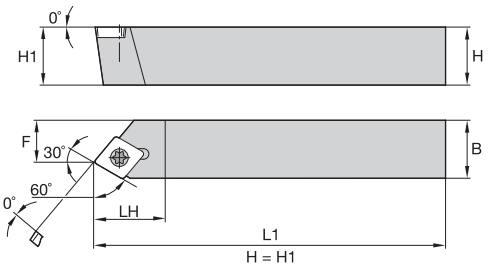


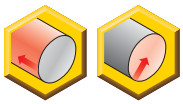
SCDP 45°



order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
right hand									
1244893	SCDPR1212H06	12	12	7,0	100	14,0	CP..060203	MS1153	T7



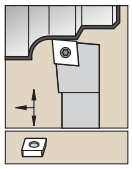


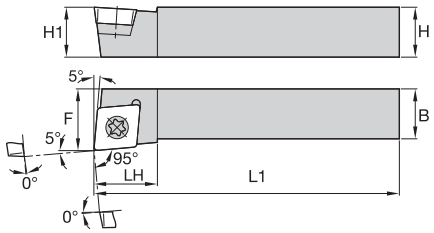


SCEP 60°



order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
right hand									
1244896	SCEPR1010H06	10	10	6,5	100	12,0	CP..060203R.	MS1153	T7
1250901	SCEPR1212H06	12	12	8,5	100	12,0	CP..060203R.	MS1153	T7



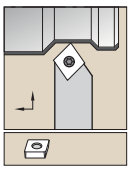


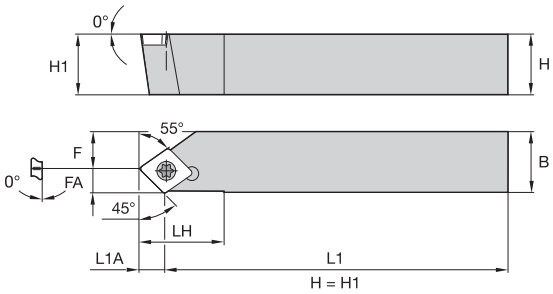


SCLP 95°



order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
right hand									
1192469	**SCLPR1212M06**	12	12	13,0	150	11,4	CP..060203	**MS1153**	T7
left hand									
1244913	**SCLPL1212M06**	12	12	13,0	150	11,4	CP..060203	**MS1153**	T7



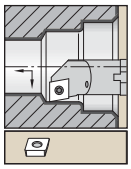




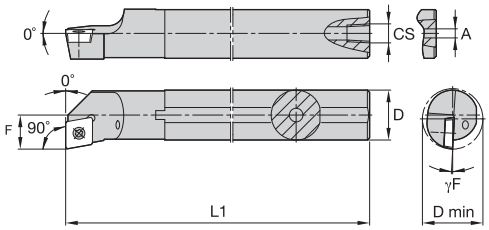
SCSP 45°



order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	insert screw	Torx
right hand											
1244917	**SCSPR1010H06**	10	10	6,0	100	14,0	4,2	4,2	CP..060203	**MS1153**	T7



Steel shank with through coolant.

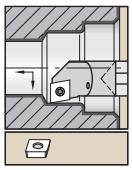




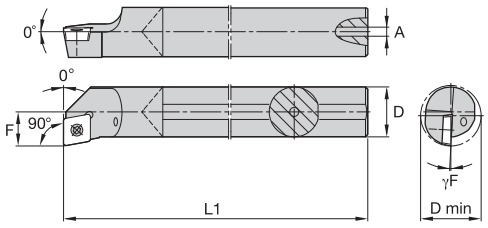
A-SCFP 90°



order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	insert screw	Torx
right hand											
1098157	**A08JSCFPR06**	8	11,0	6,0	110	2,4	–	-8.0	CP..060204	**MS1153**	T7
1098165	**A10KSCFPR06**	10	13,0	7,0	125	3,2	–	-6.0	CP..060204	**MS1153**	T7
1098175	**A12MSCFPR06**	12	16,0	9,0	150	4,0	1/16-27 NPT	-4.0	CP..060204	**MS1153**	T7
1886498	**A16RSCFPR06**	16	20,0	11,0	200	–	1/8-27 NPT	-5.0	CP..060203	**MS1153**	T7
1098221	**A16RSCFPR09**	16	20,0	11,0	200	4,0	1/8-27 NPT	-4.0	CP..09T308	**MS1155**	T15
1098235	**A20SSCFPR09**	20	25,0	13,0	250	4,0	1/8-27 NPT	-2.0	CP..09T308	**MS1155**	T15
left hand											
1098161	**A08JSCFPL06**	8	11,0	6,0	110	2,4	–	-8.0	CP..060204	**MS1153**	T7
1098170	**A10KSCFPL06**	10	13,0	7,0	125	3,2	–	-6.0	CP..060204	**MS1153**	T7
1098180	**A12MSCFPL06**	12	16,0	9,0	150	4,0	1/16-27 NPT	-4.0	CP..060204	**MS1153**	T7
1098227	**A16RSCFPL09**	16	20,0	11,0	200	4,0	1/8-27 NPT	-4.0	CP..09T308	**MS1155**	T15
1098241	**A20SSCFPL09**	20	25,0	13,0	250	4,0	1/8-27 NPT	-2.0	CP..09T308	**MS1155**	T15



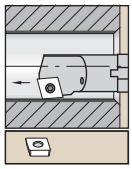
Carbide shank with through coolant.



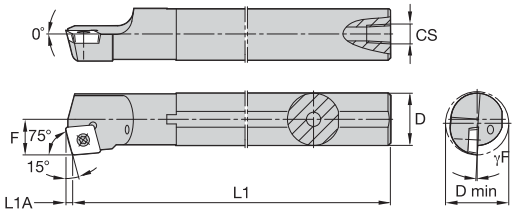
E-SCFP 90°



order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
right hand										
1152852	**E08KSCFPR06A**	8	11,0	6,0	125	2,4	-8.0	CP..060204	**MS1939**	T7
1152854	**E10MSCFPR06A**	10	13,0	7,0	150	3,2	-4.0	CP..060204	**MS1939**	T7
1152888	**E12QSCFPR06**	12	16,0	9,0	180	4,8	-3.0	CP..060204	**MS1153**	T7
left hand										
1152853	**E08KSCFPL06A**	8	11,0	6,0	125	2,4	-8.0	CP..060204	**MS1939**	T7



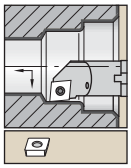
Steel shank with through coolant.



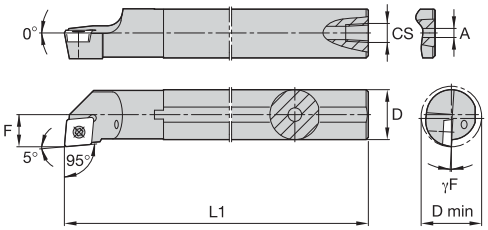
A-SCKP 75°



order number	catalogue number	D	D min	F	L1	L1A	CS	γF°	gage insert	insert screw	Torx
right hand											
1098236	**A20SSCKPR09**	20	25,0	13,0	250	2,3	1/8-27 NPT	-3.0	CP..09T308	**MS1155**	T15



Steel shank with through coolant.

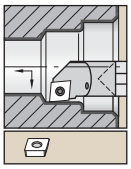




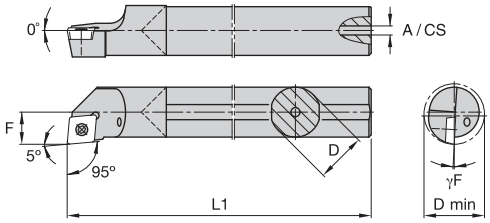
A-SCLP 95°



order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	insert screw	Torx
right hand											
1098156	**A08JSCLPR06**	.315	.433	.236	4.33	.09	–	-6.0	CP..060204	**MS1939**	T7
1098164	**A10KSCLPR06**	.390	.512	.276	4.92	.13	–	-4.0	CP..060204	**MS1939**	T7
1098174	**A12MSCLPR06**	.472	.630	.354	5.91	.16	1/16-27 NPT	-3.0	CP..060204	**MS1153**	T7
1886502	**A16RSCLPR06**	.630	.787	.433	7.87	–	1/8-27 NPT	-5.0	CP..060203	**MS1153**	T7
1098220	**A16RSCLPR09**	.630	.787	.433	7.87	.16	1/8-27 NPT	-4.0	CP..09T308	**MS1155**	T15
1098234	**A20SSCLPR09**	.787	.984	.512	9.84	.16	1/8-27 NPT	-2.0	CP..09T308	**MS1155**	T15
1886504	**A20SSCLPR06**	.787	.984	.512	9.84	–	1/8-27 NPT	-3.0	CP..060203	**MS1153**	T7
left hand											
1098160	**A08JSCLPL06**	.315	.433	.236	4.33	.09	–	-6.0	CP..060204	**MS1939**	T7
1098169	**A10KSCLPL06**	.390	.512	.276	4.92	.13	–	-4.0	CP..060204	**MS1939**	T7
1098179	**A12MSCLPL06**	.472	.630	.354	5.91	.16	1/16-27 NPT	-3.0	CP..060204	**MS1153**	T7
1886501	**A16RSCLPL06**	.630	.787	.433	7.87	–	1/8-27 NPT	-5.0	CP..060203	**MS1153**	T7
1098226	**A16RSCLPL09**	.630	.787	.433	7.87	.16	1/8-27 NPT	-4.0	CP..09T308	**MS1155**	T15
1098240	**A20SSCLPL09**	.787	.984	.512	9.84	.16	1/8-27 NPT	-2.0	CP..09T308	**MS1155**	T15



Carbide shank with through coolant.

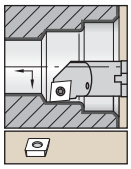




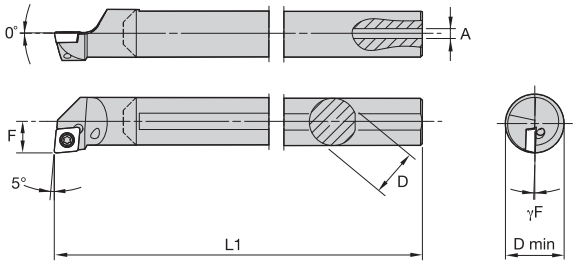
E-SCLP 95°



order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
right hand										
1152856	**E08KSCLPR06A**	8	11,0	6,0	122	2,4	-6.0	CP..060204	**MS1939**	T7
1152858	**E10MSCLPR06A**	10	13,0	7,0	150	3,2	-4.0	CP..060204	**MS1939**	T7
1152889	**E12QSCLPR06**	12	16,0	9,0	180	4,8	-3.0	CP..060204	**MS1153**	T7
1152897	**E16RSCLPR09**	16	20,0	11,0	200	5,5	-4.0	CP..09T308	**MS1155**	T15
1152902	**E20SSCLPR09**	20	25,0	13,0	250	7,1	-2.0	CP..09T308	**MS1155**	T15
left hand										
1152857	**E08KSCLPL06A**	8	11,0	6,0	122	2,4	-6.0	CP..060204	**MS1939**	T7
1152859	**E10MSCLPL06A**	10	13,0	7,0	150	3,2	-4.0	CP..060204	**MS1939**	T7
1152891	**E12QSCLPL06**	12	16,0	9,0	180	4,8	-3.0	CP..060204	**MS1153**	T7
1152899	**E16RSCLPL09**	16	20,0	11,0	200	5,5	-4.0	CP..09T308	**MS1155**	T15
1152905	**E20SSCLPL09**	20	25,0	13,0	250	7,1	-2.0	CP..09T308	**MS1155**	T15



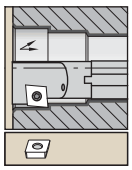
Heavy metal bar with through coolant.



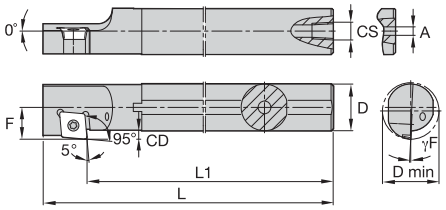
L-SCLP 95°



order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
right hand										
3331115	**L08KSCLPR06**	8	11,0	6,0	123	2,4	-6.0	CP..060204..	**MS1939**	T7
3331107	**L10MSCLPR06**	10	13,0	7,0	149	3,2	-4.0	CP..060204..	**MS1939**	T7
3331110	**L12QSCLPR06**	12	16,0	9,0	181	4,0	-3.0	CP..060204..	**MS1153**	T7
3331108	**L16RSCLPR09**	16	20,0	11,0	203	4,0	-4.0	CP..09T308..	**MS1155**	T15
3331106	**L20SSCLPR09**	20	25,0	13,0	251	4,0	-2.0	CP..09T308..	**MS1155**	T15
left hand										
3331112	**L12QSCLPL06**	12	16,0	9,0	181	4,0	-3.0	CP..060204..	**MS1153**	T7
3331114	**L16RSCLPL09**	16	20,0	11,0	203	4,0	-4.0	CP..09T308..	**MS1155**	T15
3331109	**L20SSCLPL09**	20	25,0	13,0	251	4,0	-2.0	CP..09T308..	**MS1155**	T15



Steel shank with through coolant.

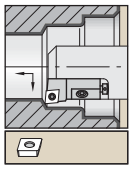


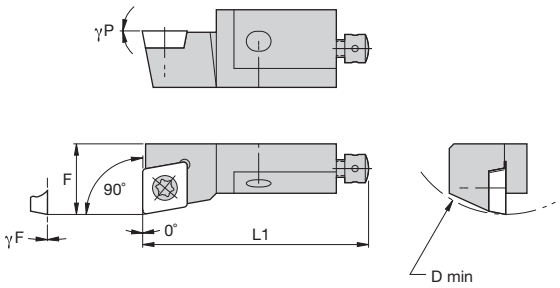


A-SCXP 95°



order number	catalogue number	D	D min	F	L1	L	A	CS	γF°	gage insert	insert screw	Torx
right hand												
1098167	**A10KSCXPR06**	10	13,0	7,0	125	136,0	3,2	–	-4.0	CP..060204	**MS1153**	T7
1098177	**A12MSCXPR06**	12	16,0	9,0	150	161,0	4,0	1/16-27 NPT	-3.0	CP..060204	**MS1153**	T7
1098223	**A16RSCXPR09**	16	20,0	11,0	200	218,0	4,0	1/8-27 NPT	-4.0	CP..09T308	**MS1155**	T15





SCFP 90°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098551	**SCFPR06CA05**	20	8,0	25	0.0	0.0	CP..050204/CP..18151
1082671	**SCFPR08CA06**	25	10,0	32	0.0	0.0	CP..060204/CP..2151
1797235	**SCFPR10CA09**	40	14,0	50	0.0	0.0	CP..09T308/CP..3252
left hand							
1098766	**SCFPL08CA06**	25	10,0	32	0.0	0.0	CP..060204/CP..2151

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts CPGM/CPGT/CPGW-21.5_ inserts.

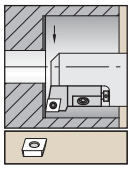
Spare Parts

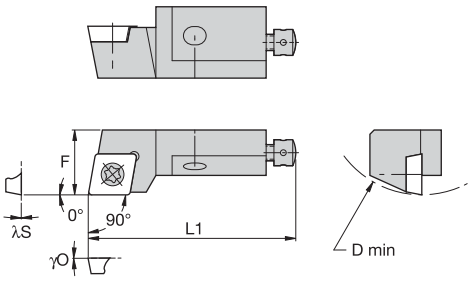






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
20	**MS1933**	T7	**KUAM34**	1.5 mm	**KUAM35**	**MS2173**	2 mm	**CSWM 035 040**
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	2.5 mm	**CSWM 040 050**
40	**MS1155**	T15	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**





SCGP 90°

order number	catalogue number	D min	F	L1	λS°	γO°	gage insert
right hand							
1098554	**SCGPR08CA06**	25	10,0	32	0.0	0.0	CP..060204/CP..2151

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts CPGM/CPGT/CPGW-21.5_ inserts.

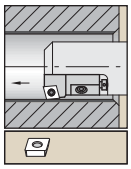
Spare Parts

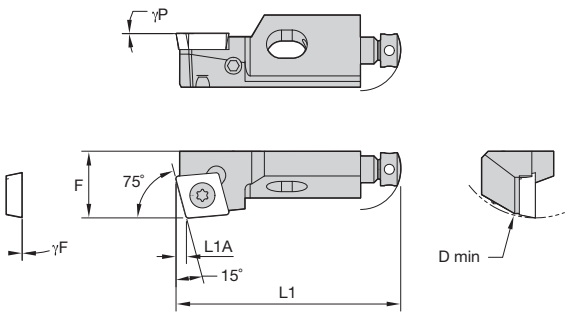






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	2.5 mm	**CSWM 040 050**





SCKP 75°

order number	catalogue number	D min	F	L1	L1A	γF°	γP°	gage insert
right hand								
1098552	**SCKPR08CA06**	25	10,0	32	1,6	0.0	0.0	CP..060204/CP..2151
left hand								
1098763	**SCKPL08CA06**	25	10,0	32	1,6	0.0	0.0	CP..060204/CP..2151

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts CPGM/CPGT/CPGW-21.5_ inserts.

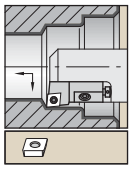
Spare Parts

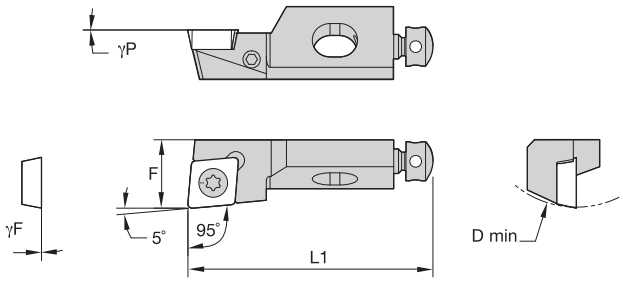






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	2.5 mm	**CSWM 040 050**





SCLP 95°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098541	**SCLPR06CA05**	20	8,0	25	0.0	0.0	CP..050204/CP..18151
1098542	**SCLPR08CA06**	25	10,0	32	0.0	0.0	CP..060204/CP..2151
1098543	**SCLPR10CA09**	40	14,0	50	0.0	0.0	CP..09T308/CP..3252
left hand							
1098730	**SCLPL08CA06**	25	10,0	32	0.0	0.0	CP..060204/CP..2151
1098731	**SCLPL10CA09**	40	14,0	50	0.0	0.0	CP..09T308/CP..3252

NOTE: ANSI/ISO compatible 60° countersunk hole inserts. This tool also accepts CPGM/CPGT/CPGW-21.5_ inserts.
ANSI/ISO compatible 60° countersunk hole inserts (i.e., CPMT/CPGT/CPGW-32.5_). 90° countersunk hole inserts (i.e., CPGM/CPGB-32.5_) do not fit this tool.

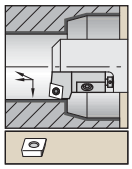
Spare Parts

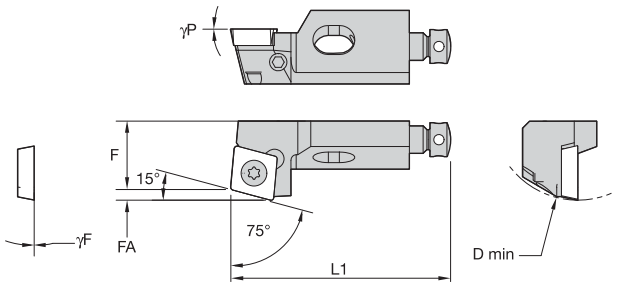






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
20	**MS1933**	T7	**KUAM34**	1.5 mm	**KUAM35**	**MS2173**	2 mm	**CSWM 035 040**
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	2.5 mm	**CSWM 040 050**
40	**MS1155**	T15	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**





SCRP 75°

order number	catalogue number	D min	F	L1	FA	γF°	γP°	gage insert
right hand								
1098555	**SCRPR08CA06**	25	10,0	32	1,5	0.0	0.0	CP..060204/CP..2151

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts CPGM/CPGT/CPGW-21.5_ inserts.

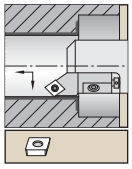
Spare Parts

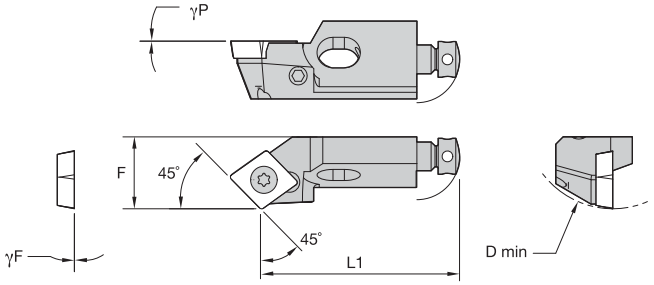






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	2.5 mm	**CSWM 040 050**





SCSP 45°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098328	**SCSPR06CA05**	20	8,0	21	0.0	0.0	CP..050204/CP..18151
1086536	**SCSPR08CA06**	25	10,0	28	0.0	0.0	CP..060204/CP..2151
left hand							
1098548	**SCSPL06CA05**	20	8,0	21	0.0	0.0	CP..050204/CP..18151
1098549	**SCSPL08CA06**	25	10,0	28	0.0	0.0	CP..060204/CP..2151

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts CPGM/CPGT/CPGW-21.5_ inserts.

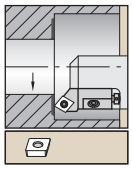
Spare Parts

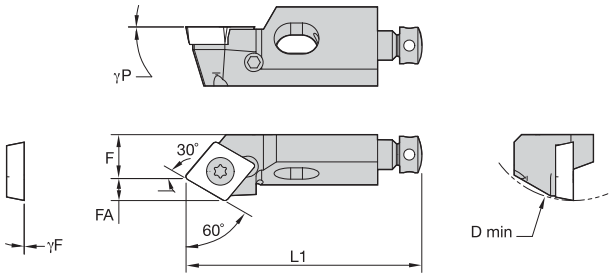






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
20	**MS1933**	T7	**–**	–	**KUAM35**	**MS2173**	2 mm	**CSWM 035 040**
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	2.5 mm	**CSWM 040 050**





SCTP 60°

order number	catalogue number	D min	F	L1	FA	γF°	γP°	gage insert
right hand								
1098556	**SCTPR06CA05**	20	5,5	25	2,6	0.0	0.0	CP..050204/CP..18151
1098557	**SCTPR08CA06**	25	6,0	32	3,0	0.0	0.0	CP..060204/CP..2151
left hand								
1098736	**SCTPL08CA06**	25	6,0	32	3,0	0.0	0.0	CP..060204/CP..2151

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts CPGM/CPGT/CPGW-21.5_ inserts.

Spare Parts

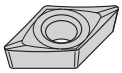


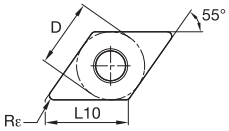




D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
20	**MS1933**	T7	**–**	–	**KUAM35**	**MS2173**	2 mm	**CSWM 035 040**
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	2.5 mm	**CSWM 040 050**

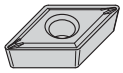
● first choice
○ alternate choice

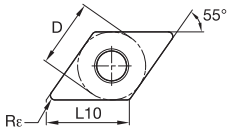




DCGT-HP

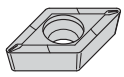
	P	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●		
	M							○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		
	K	○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●		
	N																			●	●	●		●	●	●	●	●				
	S																			●	●	●	●	●	●	●	●					
	H																															
ISO catalogue number		KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCGT070202HP	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
DCGT070204HP	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
DCGT070208HP	6,35	7,75	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
DCGT11T302HP	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
DCGT11T304HP	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
DCGT11T308HP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–

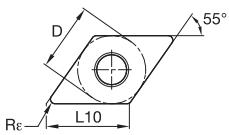




DCGT-LF

ISO catalogue number		KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCGT0702X0LF	6,35	7,75	0,0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCGT070201LF	6,35	7,75	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–
DCGT11T3X0LF	9,53	11,63	0,0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCGT11T301LF	9,53	11,63	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–	–
DCGT150408LF	12,70	15,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–



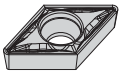


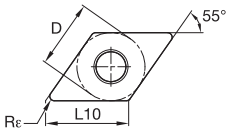
DCMT-11

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCMT07020211	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DCMT07020411	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DCMT11T30411	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
DCMT11T30811	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

● first choice
○ alternate choice

		KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P		●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M								○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K		○	○	○	○	○		●	●	●	●	●	●							●	●	●		●	●	●	●		●	●
N																				●	●	●		●	●	●	●	●		
S																				●	●	●	●	●	●	●	●			
H																														

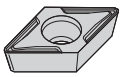


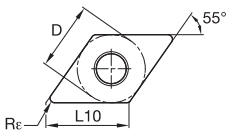


DCMT-FP

ISO catalogue number	D	L10	Rε
DCMT070202FP	6,35	7,75	0,2
DCMT070204FP	6,35	7,75	0,4
DCMT070208FP	6,35	7,75	0,8
DCMT11T302FP	9,53	11,63	0,2
DCMT11T304FP	9,53	11,63	0,4
DCMT11T308FP	9,53	11,63	0,8
DCMT11T312FP	9,53	11,63	1,2
DCMT150404FP	12,70	15,50	0,4
DCMT150408FP	12,70	15,50	0,8

ISO catalogue number	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCMT070202FP	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	●
DCMT070204FP	–	–	●	–	●	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	●	–	–	–	–	–
DCMT070208FP	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–
DCMT11T302FP	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	●	–	–	–	–	●
DCMT11T304FP	●	●	●	●	●	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	●	●	–	–	–	–	●
DCMT11T308FP	●	●	●	–	●	–	–	–	–	–	–	●	–	–	●	●	●	–	–	–	–	–	●	●	–	–	–	–	●
DCMT11T312FP	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT150404FP	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
DCMT150408FP	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–

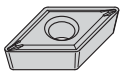


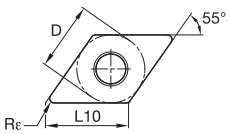


DCMT-FW

ISO catalogue number	D	L10	Rε
DCMT11T304FW	9,53	11,63	0,2
DCMT11T308FW	9,53	11,63	0,8

ISO catalogue number	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCMT11T304FW	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
DCMT11T308FW	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	–



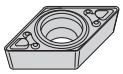


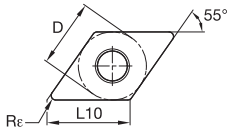
DCMT-LF

ISO catalogue number	D	L10	Rε
DCMT070202LF	6,35	7,75	0,2
DCMT070204LF	6,35	7,75	0,4
DCMT11T302LF	9,53	11,63	0,2
DCMT11T304LF	9,53	11,63	0,4
DCMT11T308LF	9,53	11,63	0,8
DCMT11T312LF	9,53	11,63	1,2
DCMT150404LF	12,70	15,50	0,4
DCMT150408LF	12,70	15,50	0,8

ISO catalogue number	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCMT070202LF	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●	●	–	–	–
DCMT070204LF	–	●	●	●	●	●	–	–	–	●	–	–	●	●	●	●	●	●	–	●	–	–	–	–	●	●	–	●	–
DCMT11T302LF	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
DCMT11T304LF	●	●	●	●	●	●	–	–	●	–	●	●	●	●	●	●	●	–	–	●	–	–	–	–	●	●	–	●	–
DCMT11T308LF	–	●	●	●	●	–	–	–	●	●	●	●	●	●	●	●	●	–	–	●	–	–	●	–	●	●	–	●	–
DCMT11T312LF	–	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT150404LF	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DCMT150408LF	–	●	●	●	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

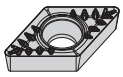
● first choice
○ alternate choice

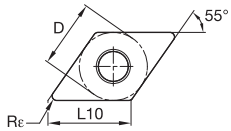




DCMT-MF

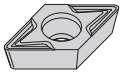
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
DCMT11T304MF	9,53	11,63	0,4	–	●	●	●	●	●	–	–	–	–	●	–	●	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–
DCMT11T308MF	9,53	11,63	0,8	–	●	●	●	●	●	–	–	–	–	●	–	●	●	●	–	●	●	–	–	–	–	–	–	–	–	–	–
DCMT11T312MF	9,53	11,63	1,2	–	●	●	●	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

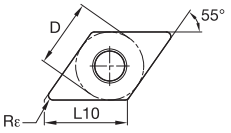




DCMT-MP

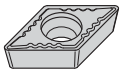
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCMT11T304MP	9,53	11,63	0,4	–	–	●	–	●	–	–	–	–	–	–	●	●	–	●	●	●	–	–	–	–	–	●	–	–	–	–	–	–
DCMT11T308MP	9,53	11,63	0,8	–	–	●	–	●	–	–	–	–	–	–	●	●	–	●	●	●	–	–	–	–	–	●	–	–	–	–	–	–
DCMT11T312MP	9,53	11,63	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

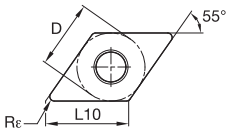




DCMT-MW

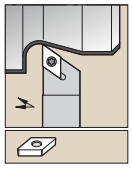
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCMT11T304MW	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
DCMT11T308MW	9,53	11,63	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

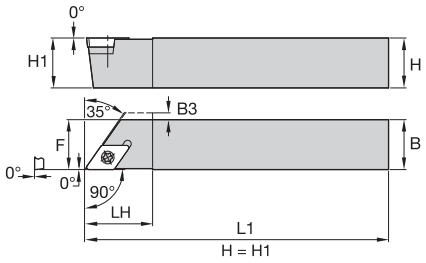


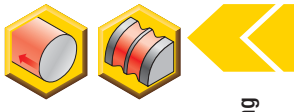


DCMT-UF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DCMT070204UF	6,35	7,75	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT11T302UF	9,53	11,63	0,2	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT11T304UF	9,53	11,63	0,4	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DCMT11T308UF	9,53	11,63	0,8	●	●	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–





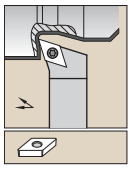


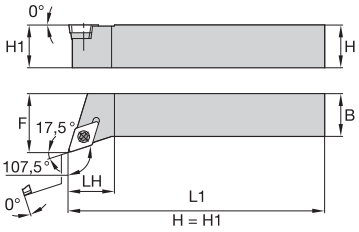
SDAC 90°

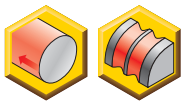




order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
1772159	**SDACR1212M11Q**	12	12	12,0	150	22,0	1,5	DC..11T308	–	–	–	**MS1155**	T15
1097720	**SDACR1616K11Q**	16	16	16,0	125	22,0	–	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand													
1772160	**SDACL1212M11Q**	12	12	12,0	150	22,0	1,5	DC..11T308	–	–	–	**MS1155**	T15





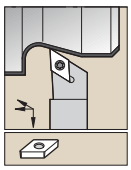


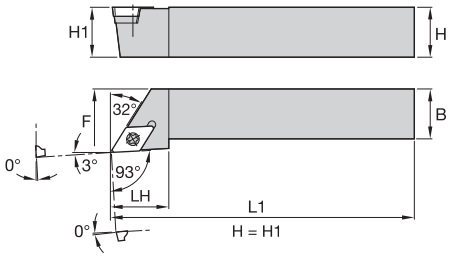
SDHC 107,5°

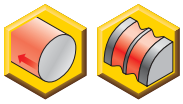




order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097841	**SDHCR1616H11**	16	16	20,0	100	20,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097989	**SDHCR2020K11**	20	20	25,0	125	20,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1130381	**SDHCR2525M11**	25	25	32,0	150	20,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097843	**SDHCR2525M15**	25	25	32,0	150	25,0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15
left hand												
1097986	**SDHCL1616H11**	16	16	20,0	100	20,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097930	**SDHCL2020K11**	20	20	25,0	125	20,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1124630	**SDHCL2525M11**	25	25	32,0	150	20,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097988	**SDHCL2525M15**	25	25	32,0	150	25,0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15





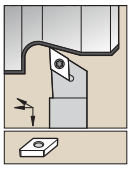


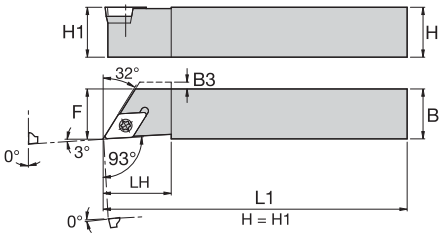
SDJC 93°





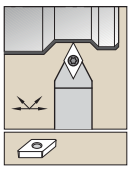
order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097847	**SDJCR0808L07**	8	8	10,0	140	16,0	DC..070204	–	–	–	**MS1153**	T7
1097848	**SDJCR1010M07**	10	10	12,0	150	16,0	DC..070204	–	–	–	**MS1153**	T7
1097849	**SDJCR1212N07**	12	12	16,0	160	16,0	DC..070204	–	–	–	**MS1153**	T7
1097850	**SDJCR1212N11**	12	12	16,0	160	22,0	DC..11T308	–	–	–	**MS1155**	T15
1244972	**SDJCR1616H07**	16	16	20,0	100	16,0	DC..070204	–	–	–	**MS1153**	T7
1097851	**SDJCR1616H11**	16	16	20,0	100	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1244974	**SDJCR2020K07**	20	20	25,0	125	16,0	DC..070204	–	–	–	**MS1153**	T7
1097853	**SDJCR2020K11**	20	20	25,0	125	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097852	**SDJCR2020K15**	20	20	25,0	125	32,0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15
1097854	**SDJCR2525M11**	25	25	32,0	150	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097855	**SDJCR2525M15**	25	25	32,0	150	32,0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15
left hand												
1097997	**SDJCL0808L07**	8	8	10,0	140	16,0	DC..070204	–	–	–	**MS1153**	T7
1097998	**SDJCL1010M07**	10	10	12,0	150	16,0	DC..070204	–	–	–	**MS1153**	T7
1097999	**SDJCL1212N07**	12	12	16,0	160	16,0	DC..070204	–	–	–	**MS1153**	T7
1098000	**SDJCL1212N11**	12	12	16,0	160	22,0	DC..11T308	–	–	–	**MS1155**	T15
1244966	**SDJCL1616H07**	16	16	20,0	100	16,0	DC..070204	–	–	–	**MS1153**	T7
1098001	**SDJCL1616H11**	16	16	20,0	100	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1244968	**SDJCL2020K07**	20	20	25,0	125	16,0	DC..070204	–	–	–	**MS1153**	T7
1098003	**SDJCL2020K11**	20	20	25,0	125	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1192473	**SDJCL2525M11**	25	25	32,0	150	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1098004	**SDJCL2525M15**	25	25	32,0	150	32,0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15

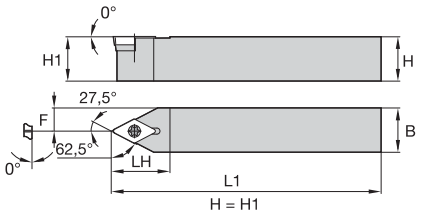




SDJC-F 93°

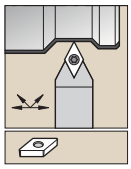
order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
1772157	**SDJCRF0808M07Q**	8	8	8,0	150	16,0	1,5	DC..070204	–	–	–	**MS1153**	T7
1097844	**SDJCRF1010M07Q**	10	10	10,0	150	16,0	–	DC..070204	–	–	–	**MS1153**	T7
1097845	**SDJCRF1212M07Q**	12	12	12,0	150	16,0	–	DC..070204	–	–	–	**MS1153**	T7
1097846	**SDJCRF1616K11Q**	16	16	16,0	125	22,0	–	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand													
1097996	**SDJCLF1616K11Q**	16	16	16,0	125	22,0	–	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15

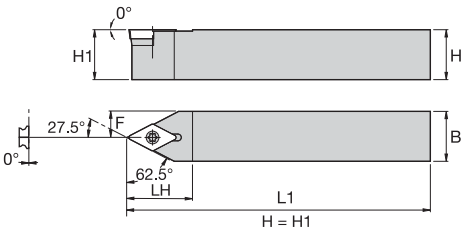


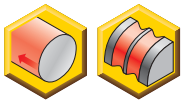


SDNC 62,5°

order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
left hand												
1097856	**SDNCN0808L07**	8	8	4,0	140	16,0	DC..070204	–	–	–	**MS1153**	T7
1097857	**SDNCN1010M07**	10	10	5,0	150	16,0	DC..070204	–	–	–	**MS1153**	T7
1097858	**SDNCN1212N07**	12	12	6,0	160	16,0	DC..070204	–	–	–	**MS1153**	T7
1097859	**SDNCN1616H11**	16	16	8,0	100	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097861	**SDNCN2020K11**	20	20	10,0	125	22,0	DC..11T308	**SKDP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097860	**SDNCN2020K15**	20	20	10,0	125	28,0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15
1097862	**SDNCN2525M15**	25	25	12,5	150	28,0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15





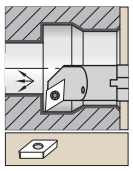


SDPC 62,5°

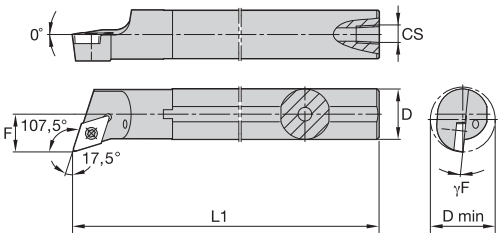


order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
1772173	**SDPCN1212M11Q**	12	12	6,0	150	22,0	DC..11T308	**MS1155**	T15

Screw-On Boring Bars



Steel shank with through coolant.

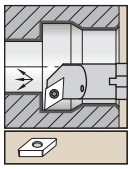




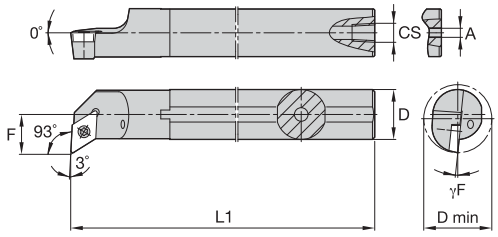
A-SDQC 107,5°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx
right hand										
1098188	**A12MSDQCR07**	12	16,0	9,0	150	1/16-27 NPT	-6.0	DC..070204	**MS1153**	T7
1098198	**A16RSDQCR07**	16	20,0	11,0	200	1/8-27 NPT	-5.0	DC..070204	**MS1153**	T7
1098147	**A20SSDQCR11**	20	25,0	13,0	250	1/8-27 NPT	-5.0	DC..11T308	**MS1155**	T15
1098260	**A25TSDQCR11**	25	32,0	17,0	300	1/4-18 NPT	-4.0	DC..11T308	**MS1155**	T15
left hand										
1098193	**A12MSDQCL07**	12	16,0	9,0	150	1/16-27 NPT	-6.0	DC..070204	**MS1153**	T7
1098203	**A16RSDQCL07**	16	20,0	11,0	200	1/8-27 NPT	-5.0	DC..070204	**MS1153**	T7
1098149	**A20SSDQCL11**	20	25,0	13,0	250	1/8-27 NPT	-5.0	DC..11T308	**MS1155**	T15
1098264	**A25TSDQCL11**	25	32,0	17,0	300	1/4-18 NPT	-4.0	DC..11T308	**MS1155**	T15



Steel shank with through coolant.



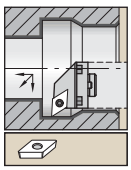


A-SDUC 93°

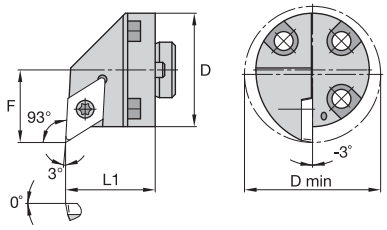


order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	shim	shim screw	hex	insert screw	Torx
right hand														
1886506	**A10KSDUCR07**	10	13,0	7,0	125	3,2	–	-7.0	DC..070204	–	–	–	**MS1153**	T7
1098187	**A12MSDUCR07**	12	16,0	9,0	150	–	1/16-27 NPT	-4.0	DC..070204	–	–	–	**MS1153**	T7
1098197	**A16RSDUCR07**	16	20,0	11,0	200	–	1/8-27 NPT	-4.0	DC..070204	–	–	–	**MS1153**	T7
1886508	**A16RSDUCR11**	16	20,0	11,0	200	–	1/8-27 NPT	-6.0	DC..11T308	–	–	–	**MS1155**	T15
1098146	**A20SSDUCR11**	20	25,0	13,0	250	–	1/8-27 NPT	-5.0	DC..11T308	–	–	–	**MS1155**	T15
1098259	**A25TSDUCR11**	25	32,0	17,0	300	–	1/4-18 NPT	-4.0	DC..11T308	–	–	–	**MS1155**	T15
1098283	**A32TSDUCR15**	32	40,0	22,0	300	–	1/4-18 NPT	-7.0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15
left hand														
1886505	**A10KSDUCL07**	10	13,0	7,0	125	3,2	–	-7.0	DC..070204	–	–	–	**MS1153**	T7
1098192	**A12MSDUCL07**	12	16,0	9,0	150	–	1/16-27 NPT	-4.0	DC..070204	–	–	–	**MS1153**	T7
1098202	**A16RSDUCL07**	16	20,0	11,0	200	–	1/8-27 NPT	-4.0	DC..070204	–	–	–	**MS1153**	T7
1886507	**A16RSDUCL11**	16	20,0	11,0	200	–	1/8-27 NPT	-6.0	DC..11T308	–	–	–	**MS1155**	T15
1098148	**A20SSDUCL11**	20	25,0	13,0	250	–	1/8-27 NPT	-5.0	DC..11T308	–	–	–	**MS1155**	T15
1098263	**A25TSDUCL11**	25	32,0	17,0	300	–	1/4-18 NPT	-4.0	DC..11T308	–	–	–	**MS1155**	T15
1098284	**A32TSDUCL15**	32	40,0	22,0	300	–	1/4-18 NPT	-7.0	DC..150408	**SKDP453**	**SRS4**	4 mm	**MS1158**	T15

Screw-On Boring Heads



With through coolant.

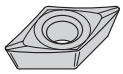


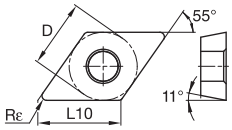
H-SDUC 93°



order number	catalogue number	D	D min	F	L1	gage insert	insert screw	Torx
right hand								
1772255	**H25SDUCR11**	25	32,0	17,0	20	DC..11T308	**MS1155**	T15
1772257	**H32SDUCR11**	32	40,0	22,0	25	DC..11T308	**MS1155**	T15
3612136	**H40SDUCR11**	40	50,0	27,0	41	DC..11T308	**MS1156**	T15
3612138	**H50SDUCR11**	50	63,0	35,0	41	DC..11T308	**MS1156**	T15
left hand								
1772256	**H25SDUCL11**	25	32,0	17,0	20	DC..11T308	**MS1155**	T15
1772258	**H32SDUCL11**	32	40,0	22,0	25	DC..11T308	**MS1155**	T15
3612139	**H50SDUCL11**	50	63,0	35,0	41	DC..11T308	**MS1156**	T15

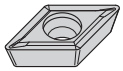
● first choice
○ alternate choice

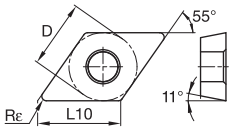




DPGT-HP

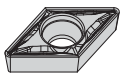
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P ●	P ●	P ●	P ●	P ●	P ●	P ●	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ○	P ●	P ●	P ●	P	P ●	P ●	P ●	P ●	P	P ●	P ●
				M	M	M	M	M	M	M ○	M	M	M	M	M	M	M ●	M ●	M ●	M ●	M ●	M ●	M ●	M ●	M ●	M ●	M ●	M ●	M ●	M	M ●	M ●
				K ○	K ○	K ○	K ○	K ○	K	K	K ●	K ●	K ●	K ●	K ●	K ●	K	K	K	K	K	K ●	K ●	K ●	K	K ●	K ●	K ●	K ●	K	K ●	K ●
				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N ●	N ●	N ●	N	N ●	N ●	N ●	N ●	N	N	N
				S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S ●	S ●	S ●	S ●	S ●	S ●	S ●	S	S	S	S
				H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
DPGT070202HP	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT070204HP	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–
DPGT070208HP	6,35	7,75	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
DPGT11T304HP	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	–	●	–	–
DPGT11T308HP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–

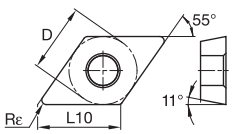




DPGT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DPGT070201LF	6,35	7,75	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT070202LF	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
DPGT070204LF	6,35	7,75	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
DPGT11T301LF	9,53	11,63	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPGT11T302LF	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
DPGT11T304LF	9,53	11,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
DPGT11T308LF	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–

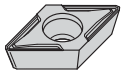


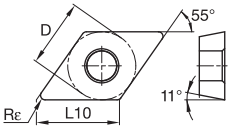


DPMT-FP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DPMT070202FP	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
DPMT070204FP	6,35	7,75	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	●
DPMT070208FP	6,35	7,75	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
DPMT11T304FP	9,53	11,63	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
DPMT11T308FP	9,53	11,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●

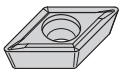
● first choice
○ alternate choice

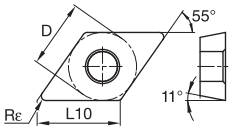




DPMT-FW

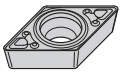
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K																												
				N																												
				S																												
				H																												
DPMT070204FW	6,35	7,75	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DPMT070208FW	6,35	7,75	0,8	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

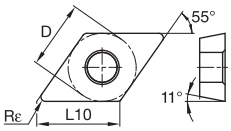




DPMT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DPMT070202LF	6,35	7,75	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
DPMT070204LF	6,35	7,75	0,4	–	●	●	●	●	–	–	–	●	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	●	●	–	●	–
DPMT11T302LF	9,53	11,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPMT11T304LF	9,53	11,63	0,4	–	●	●	●	●	–	–	–	●	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	●	●	–	●	–
DPMT11T308LF	9,53	11,63	0,8	–	●	●	●	●	–	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	–

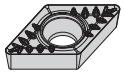


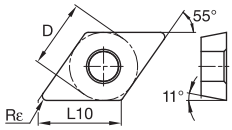


DPMT-MF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DPMT11T308MF	9,53	11,63	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–

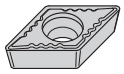
● first choice
○ alternate choice

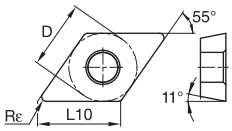




DPMT-MP

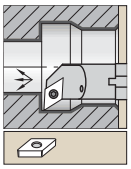
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DPMT11T308MP	9,53	11,63	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



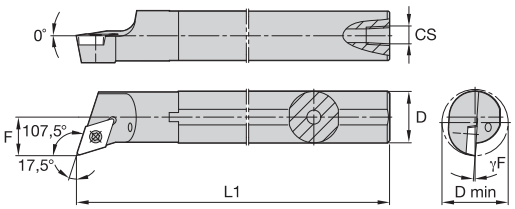


DPMT-UF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
DPMT070204UF	6,35	7,75	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
DPMT11T304UF	9,53	11,63	0,4	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DPMT11T308UF	9,53	11,63	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



Steel shank with through coolant.

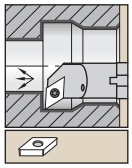




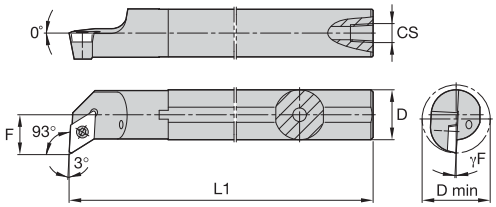
A-SDQP 107,5°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx
right hand										
1098186	**A12MSDQPR07**	12	16,0	9,0	150	1/16-27 NPT	-2.0	DP..070204	**MS1153**	T7
1098196	**A16RSDQPR07**	16	20,0	11,0	200	1/8-27 NPT	0.0	DP..070204	**MS1153**	T7
1098247	**A20SSDQPR11**	20	25,0	13,0	250	1/8-27 NPT	-2.0	DP..11T308	**MS1155**	T15
1098258	**A25TSDQPR11**	25	32,0	17,0	300	1/4-18 NPT	0.0	DP..11T308	**MS1155**	T15
left hand										
1098191	**A12MSDQPL07**	12	16,0	9,0	150	1/16-27 NPT	-2.0	DP..070204	**MS1153**	T7
1098201	**A16RSDQPL07**	16	20,0	11,0	200	1/8-27 NPT	0.0	DP..070204	**MS1153**	T7
1098252	**A20SSDQPL11**	20	25,0	13,0	250	1/8-27 NPT	-2.0	DP..11T308	**MS1155**	T15
1098262	**A25TSDQPL11**	25	32,0	17,0	300	1/4-18 NPT	0.0	DP..11T308	**MS1155**	T15



Steel shank with through coolant.

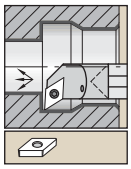




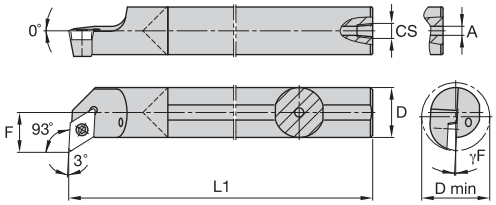
A-SDUP 93°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx
right hand										
1098184	**A12MSDUPR07**	12	16,0	9,0	150	1/16-27 NPT	-2.0	DP..070204	**MS1153**	T7
1098194	**A16RSDUPR07**	16	20,0	11,0	200	1/8-27 NPT	0.0	DP..070204	**MS1153**	T7
1098245	**A20SSDUPR11**	20	25,0	13,0	250	1/8-27 NPT	-2.0	DP..11T308	**MS1155**	T15
1098257	**A25TSDUPR11**	25	32,0	17,0	300	1/4-18 NPT	0.0	DP..11T308	**MS1155**	T15
left hand										
1098189	**A12MSDUPL07**	12	16,0	9,0	150	1/16-27 NPT	-2.0	DP..070204	**MS1153**	T7
1098199	**A16RSDUPL07**	16	20,0	11,0	200	1/8-27 NPT	0.0	DP..070204	**MS1153**	T7
1098250	**A20SSDUPL11**	20	25,0	13,0	250	1/8-27 NPT	-2.0	DP..11T308	**MS1155**	T15



Carbide shank with through coolant.

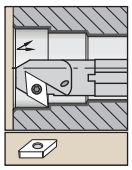




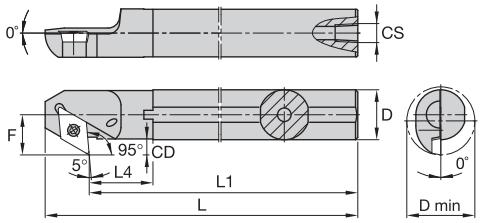
E-SDUP 93°



order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
right hand										
1152892	**E12QSDUPR07**	12	16,0	9,0	180	4,8	-2.0	DP..070204	**MS1153**	T7
1152894	**E16RSDUPR07**	16	20,0	11,0	200	5,5	0.0	DP..070204	**MS1153**	T7
1152906	**E20SSDUPR11**	20	25,0	13,0	250	7,1	-2.0	DP..11T308	**MS1155**	T15
left hand										
1152893	**E12QSDUPL07**	12	16,0	9,0	180	4,8	-2.0	DP..070204	**MS1153**	T7
1152895	**E16RSDUPL07**	16	20,0	11,0	200	5,5	0.0	DP..070204	**MS1153**	T7
1152907	**E20SSDUPL11**	20	25,0	13,0	250	7,1	-2.0	DP..11T308	**MS1155**	T15



Steel shank with through coolant.

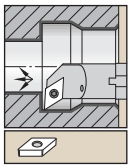




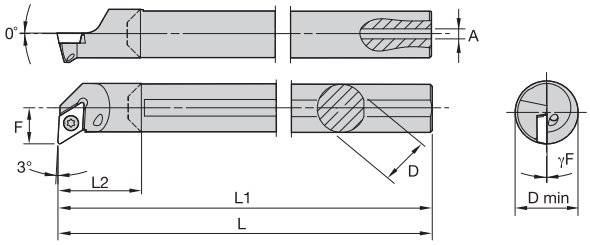
A-SDXP 95°



order number	catalogue number	D	D min	F	L1	L	L4	CD	CS	gage insert	insert screw	Torx
right hand												
1098185	**A12MSDXPR07**	12	16,0	9,0	150	162,0	–	3,09	1/16-27 NPT	DP..070204	**MS1153**	T7
1098195	**A16RSDXPR07**	16	20,0	11,0	200	212,0	–	3,20	1/8-27 NPT	DP..070204	**MS1153**	T7
1098246	**A20SSDXPR11**	20	25,0	13,0	250	270,0	48,44	4,31	1/8-27 NPT	DP..11T308	**MS1155**	T15
left hand												
1098190	**A12MSDXPL07**	12	16,0	9,0	150	162,0	–	3,09	1/16-27 NPT	DP..070204	**MS1153**	T7
1098200	**A16RSDXPL07**	16	20,0	11,0	200	212,0	–	3,20	1/8-27 NPT	DP..070204	**MS1153**	T7
1098251	**A20SSDXPL11**	20	25,0	13,0	250	270,0	48,44	4,31	1/8-27 NPT	DP..11T308	**MS1155**	T15



Heavy metal bar with through coolant.

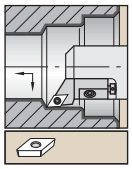


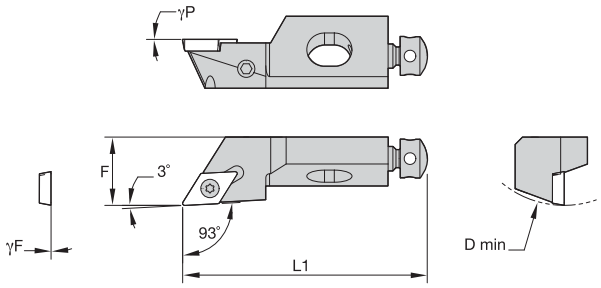


L-SDUP 93°



order number	catalogue number	D	D min	F	L1	L	L2	A	γF°	gage insert	insert screw	Torx
right hand												
3331116	**L12QSDUPR07**	12	16,0	9,0	181	181,2	22,4	4,0	-2.0	DP..070204..	**MS1153**	T7
3331117	**L20SSDUPR11**	20	25,0	13,0	251	251,5	33,6	4,0	-2.0	DP..11T308..	**MS1155**	T15
left hand												
3331121	**L12QSDUPL07**	12	16,0	9,0	181	181,2	22,4	4,0	-2.0	DP..070204..	**MS1153**	T7





SDJP 93°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098757	**SDJPR10CA07**	40	14,0	50	0.0	0.0	DP..070204/DP..2151
left hand							
1098758	**SDJPL10CA07**	40	14,0	50	0.0	0.0	DP..070204/DP..2151

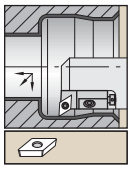
Spare Parts

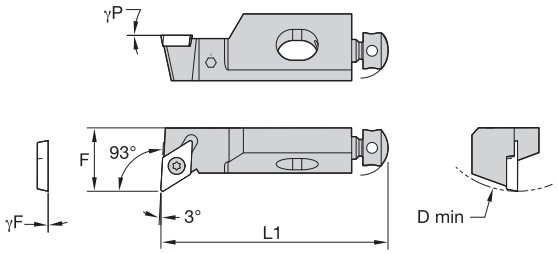






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
40	**MS1153**	T7	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**





SDUP 93°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098728	**SDUPR10CA07**	40	14,0	50	0.0	0.0	DP..070204/DP..2151

Spare Parts

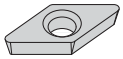


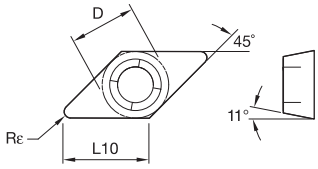




D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
40	**MS1153**	T7	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**

● first choice
○ alternate choice

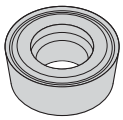


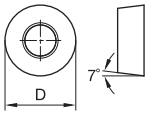


GPCD

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
GPCD050102	3,97	5,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–
GPCD050104	3,97	5,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

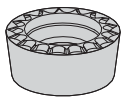
RCGH

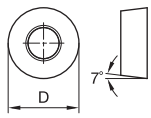




ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCGH120400	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–

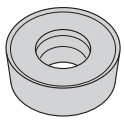
RCGH-MP

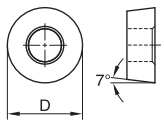




ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCGH120400MP	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

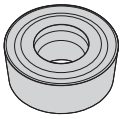
RCGT-HP

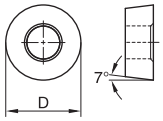




ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCGT0803M0HP	8,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	●	●	–	●	–	–
RCGT10T3M0HP	10,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
RCGT1204M0HP	12,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	–	–	–

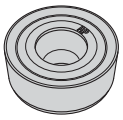
● first choice
○ alternate choice

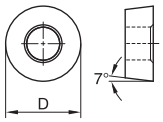




RCGT-MS

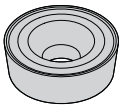
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
RCGT0803M0MS	8,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
RCGT1204M0MS	12,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–
RCGT1606M0MS	16,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–

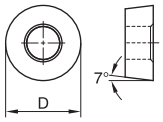




RCGT-RP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCGT0602M0RP	6,00	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCGT0803M0RP	8,00	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCGT1204M0RP	12,00	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

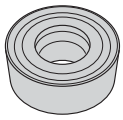


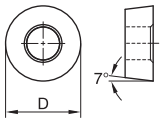


RCMH-K

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCMH190600K	19,05	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

● first choice
○ alternate choice

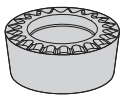


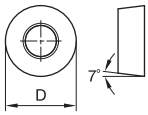


RCMT

P		●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M								○							●	●	●	●	●	●	●	●	●	●	●	●		●	●
K		○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																				●	●	●		●	●	●	●	●		
S																				●	●	●	●	●	●	●	●			
H																														

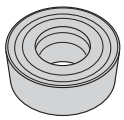
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCMT0602M0	6,00	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	●	–	●	–	–	–	–
RCMT060200	6,35	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
RCMT0803M0	8,00	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	●	–	–	●	–	–	–	–	●	–	–	–	–
RCMT09T300	9,53	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	–	–	–	–
RCMT10T3M0	10,00	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–	●	–	–	–	–	–	●	–	●	–	–	–	–
RCMT1204M0	12,00	–	–	–	–	–	–	–	●	–	–	–	●	–	●	●	–	–	–	●	–	–	●	–	–	●	–	●	–	–	–	–
RCMT120400	12,70	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
RCMT1605M0	16,00	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	●	–	–	●	–	–	●	–	●	–	–	–	–
RCMT2006M0	20,00	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	●	–	–	●	–	–	●	–	●	–	–	–	–

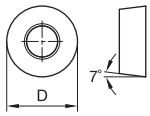




RCMT-MP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCMT0803M0MP	8,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
RCMT10T3M0MP	10,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
RCMT1204M0MP	12,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
RCMT120400MP	12,70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
RCMT1606M0MP	16,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

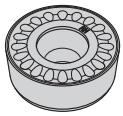


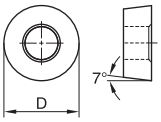


RCMT-M0

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCMT1204M0	12,00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

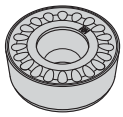
● first choice
○ alternate choice

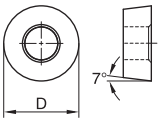




RCMT-RH

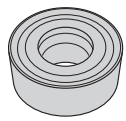
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
RCMT2006M0RH	20,00	—	—	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

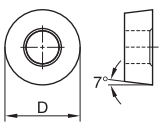




RCMX-RH

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCMX2507M0RH	25,00	—	—	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMX3209M0RH	32,00	—	—	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

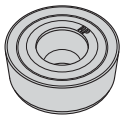


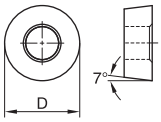


RCMT-RM

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCMT2006M0RM	20,00	—	—	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

● first choice
○ alternate choice

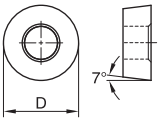




RCMT-RP

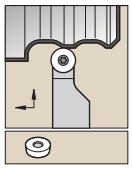
				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P		●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
				M									○						●	●	●	●	●	●	●	●	●	●	●	●		●	●
				K		○	○	○	○	○	○			●	●	●	●	●						●	●	●		●	●	●	●		●	●
				N																			●	●	●		●	●	●	●	●		
				S																			●	●	●	●	●	●	●	●			
				H																													
ISO catalogue number	D	L10	Rε																														
RCMT1204M0RP	12,00	—	—	–	●	●	●	●	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT1606M0RP	16,00	—	—	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMT2006M0RP	20,00	—	—	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

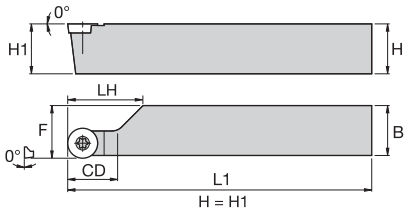




RCMX-RP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RCMX1003M0RP	10,00	—	—	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMX2507M0RP	25,00	—	—	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



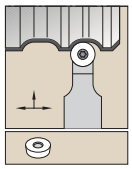


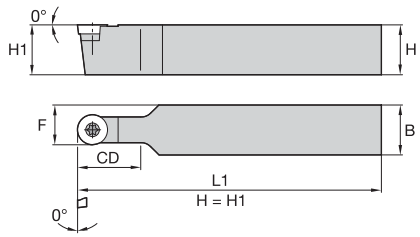


SRAC



order number	catalogue number	H	B	F	L1	LH	CD	gage insert	insert screw	Torx
right hand										
1097887	SRACR1212N08	12	12	13,0	160	31,0	12,0	RC..0803M0	MS1154	T9
1097888	SRACR1616Q08	16	16	17,0	180	35,0	16,0	RC..0803M0	MS1154	T9







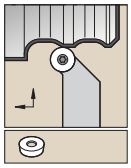
SRDC

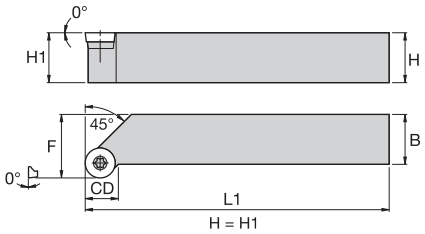






order number	catalogue number	H	B	F	L1	CD	gage insert	shim	shim screw	hex	insert screw	Torx
1097892	SRDCN1212N06	12	12	9,0	160	12,0	RC..0602M0	–	–	–	MS1153	T7
1097891	SRDCN1212N08	12	12	10,0	160	12,0	RC..0803M0	–	–	–	MS1154	T9
1097899	SRDCN1616H06	16	16	11,0	100	16,0	RC..0602M0	–	–	–	MS1153	T7
1097897	SRDCN1616H08	16	16	12,0	100	16,0	RC..0803M0	–	–	–	MS1154	T9
1097898	SRDCN1616H10	16	16	13,0	100	16,0	RC..10T3M0	SKRN100300	SRS3	3.5 mm	MS1156	T15
1097893	SRDCN1616Q08	16	16	12,0	180	16,0	RC..0803M0	–	–	–	MS1154	T9
1097900	SRDCN2020K08	20	20	14,0	125	20,0	RC..0803M0	–	–	–	MS1154	T9
1097901	SRDCN2020K10	20	20	15,0	125	20,0	RC..10T3M0	SKRN100300	SRS3	3.5 mm	MS1156	T15
1097894	SRDCN2020K12	20	20	16,0	125	20,0	RC..1204M0	SKRN1203M0	SRS3	3.5 mm	MS1156	T15
1097903	SRDCN2525M08	25	25	16,5	150	25,0	RC..0803M0	–	–	–	MS1154	T9
1097902	SRDCN2525M10	25	25	17,5	150	25,0	RC..10T3M0	SKRN100300	SRS3	3.5 mm	MS1156	T15
1097895	SRDCN2525M12	25	25	18,5	150	25,0	RC..1204M0	SKRN1203M0	SRS3	3.5 mm	MS1156	T15
1097896	SRDCN2525M16	25	25	20,5	150	25,0	RC..1605M0	SKRN160400	SRS5	4 mm	MS1160	T15





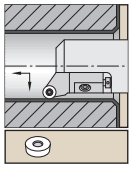


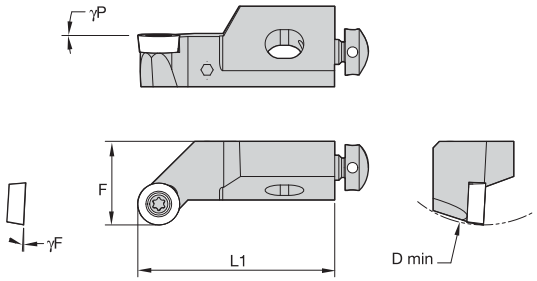
SRGC





order number	catalogue number	H	B	F	L1	CD	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097792	**SRGCR1616H06**	16	16	20,0	100	7,0	RC..0602M0	–	–	–	**MS1153**	T7
1097791	**SRGCR1616H10**	16	16	20,0	100	7,9	RC..10T3M0	**SKRN100300**	**SRS3**	3.5 mm	**MS1156**	T15
1097793	**SRGCR2020K08**	20	20	25,0	125	9,0	RC..0803M0	–	–	–	**MS1154**	T9
1097794	**SRGCR2020K10**	20	20	25,0	125	9,3	RC..10T3M0	**SKRN100300**	**SRS3**	3.5 mm	**MS1156**	T15
1097796	**SRGCR2525M08**	25	25	32,0	150	11,8	RC..0803M0	–	–	–	**MS1154**	T9
1097795	**SRGCR2525M10**	25	25	32,0	150	12,1	RC..10T3M0	**SKRN100300**	**SRS3**	3.5 mm	**MS1156**	T15
1097788	**SRGCR2525M12**	25	25	32,0	150	12,7	RC..1204M0	**SKRN1203M0**	**SRS3**	3.5 mm	**MS1156**	T15
left hand												
1097937	**SRGCL1616H06**	16	16	20,0	100	7,0	RC..0602M0	–	–	–	**MS1153**	T7
1097936	**SRGCL1616H10**	16	16	20,0	100	7,9	RC..10T3M0	**SKRN100300**	**SRS3**	3.5 mm	**MS1156**	T15
1097938	**SRGCL2020K08**	20	20	25,0	125	9,0	RC..0803M0	–	–	–	**MS1154**	T9
1097941	**SRGCL2525M08**	25	25	32,0	150	11,8	RC..0803M0	–	–	–	**MS1154**	T9
1097940	**SRGCL2525M10**	25	25	32,0	150	12,1	RC..10T3M0	**SKRN100300**	**SRS3**	3.5 mm	**MS1156**	T15
1097933	**SRGCL2525M12**	25	25	32,0	150	12,7	RC..1204M0	**SKRN1203M0**	**SRS3**	3.5 mm	**MS1156**	T15





SRGC

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098711	**SRGCR08CA06**	25	10,0	32	-4.0	0.0	RC..0602M0/RC..215
1098713	**SRGCR12CA10**	50	20,0	55	-3.0	0.0	RC..10T3M0/RC..10T3M0

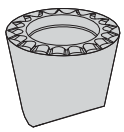
Spare Parts

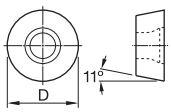


D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
25	**MS1153**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	**–**	2.5 mm	**CSWM 040 050**
50	**MS1155**	T15	**KUAM23**	2.5 mm	**KUAM31**	**–**	**191.406**	4 mm	**CSWM 060 050**

ISO Carbide Inserts

● first choice
○ alternate choice





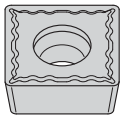
RPGT-MP

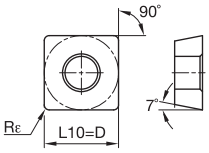
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
RPGT060400MP	6,35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–

P		●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M								○							●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K		○	○	○	○	○			●	●	●	●	●	●								●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																

NOTE: For V-Bottom style holders, please see page B370.

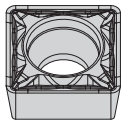
● first choice
○ alternate choice

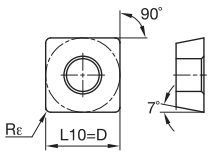




SCMT-11

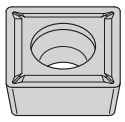
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SCMT09T30411	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
SCMT09T30811	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
SCMT12040411	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
SCMT12040811	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

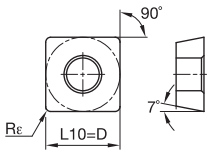




SCMT-FP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SCMT09T304FP	9,53	9,53	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	–
SCMT09T308FP	9,53	9,53	0,8	–	–	●	●	●	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	●
SCMT120404FP	12,70	12,70	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
SCMT120408FP	12,70	12,70	0,8	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–
SCMT120412FP	12,70	12,70	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

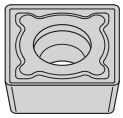


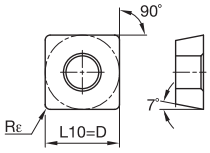


SCMT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SCMT09T304LF	9,53	9,53	0,4	–	●	●	●	●	●	–	–	●	●	–	●	●	–	–	–	●	–	–	–	–	–	–	–	●	●	–	●	–
SCMT09T308LF	9,53	9,53	0,8	–	●	●	●	●	●	–	●	●	●	●	●	●	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–
SCMT120404LF	12,70	12,70	0,4	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–
SCMT120408LF	12,70	12,70	0,8	–	●	–	●	●	●	–	–	●	●	●	●	●	–	●	●	●	–	–	–	–	–	–	–	–	●	●	–	–	–
SCMT120412LF	12,70	12,70	1,2	–	●	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

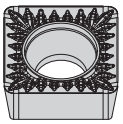
● first choice
○ alternate choice

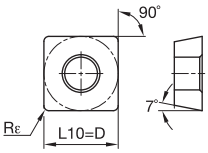




SCMT-MF

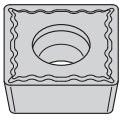
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P ●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
				M						○							●	●	●	●	●	●	●	●	●	●	●	●	●			●	●
				K ○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
				N																		●	●	●		●	●	●	●	●		
				S																		●	●	●	●	●	●	●	●			
				H																												
SCMT09T312MF	9,53	9,52	1,2	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMT09T308MF	9,53	9,53	0,8	–	●	●	●	●	–	–	–	–	●	●	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–
SCMT120408MF	12,70	12,70	0,8	–	–	●	●	●	●	–	–	–	●	●	●	●	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–
SCMT120412MF	12,70	12,70	1,2	–	–	●	●	●	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

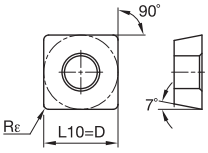




SCMT-MP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SCMT09T304MP	9,53	9,53	0,4	–	–	–	–	●	–	–	–	–	–	–	–	●	–	●	–	●	–	–	–	–	–	●	–	–	–	–	–	–
SCMT09T308MP	9,53	9,53	0,8	–	–	●	●	●	–	–	–	–	–	–	●	–	–	●	●	●	–	–	–	–	–	●	–	–	–	–	–	–
SCMT120404MP	12,70	12,70	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–
SCMT120408MP	12,70	12,70	0,8	–	–	●	–	●	–	–	–	–	–	–	●	●	–	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–
SCMT120412MP	12,70	12,70	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–

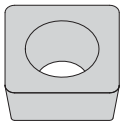


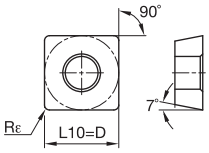


SCMT-UF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SCMT09T308UF	9,53	9,53	0,8	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

● first choice
○ alternate choice





SCMW

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SCMW09T304	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMW09T308	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMW120408	12,70	12,70	0,8	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SCMW120412	12,70	12,70	1,2	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

	P	M	K	N	S	H
KCP05	●		○			
KCP10B	●		○			
KCP10	●		○			
KCP25B	●		○			
KCP25	●		○			
KCP30	●					
KCP40	●	○				
KCK05B	○		●			
KCK05	○		●			
KCK15B	○		●			
KCK15	○		●			
KCK20B	○		●			
KCK20	○		●			
KCM15B	○	●				
KCM15	○	●				
KCM25B	○	●				
KCM25	○	●				
KCM35	○	●				
KU10	●	●	●	●	●	
K313	●	●	●	●	●	
K68	●	●	●	●	●	
KCS10		●			●	
KCU10	●	●	●	●	●	
KCU25	●	●	●	●	●	
KC5010	●	●	●	●	●	
KC5025	●	●	●			
KC5410				●		
KT315	●	●	●			
KTP10	●	●	●			

Mobile Apps

The Kennametal mobile app provides easy access to product information and calculators on both iPhone® and Android™ devices. We've highlighted a few of the key features...

There's an app for that.

SPEEDS & FEEDS

View speeds and feeds information for metalworking products.

PRODUCT AVAILABILITY

Check global availability of products. View available quantities by providing your Konnect login credentials.

CALCULATORS

Utilise our machining calculators for milling and drilling applications.

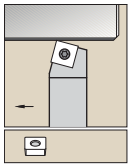


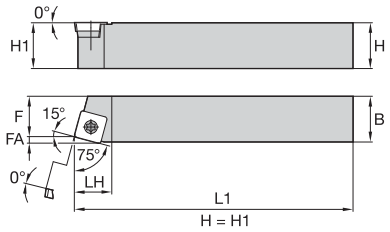
By just scanning the bar code on the insert packet, you can find the most productive cutting conditions for tool life, process time, and chip control.

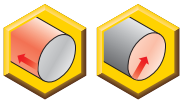
NOTE: The app is currently only available in the English-language version. We have plans to translate the app in different languages with future releases.

Google play

Available on the App Store



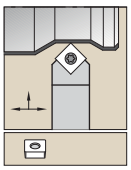


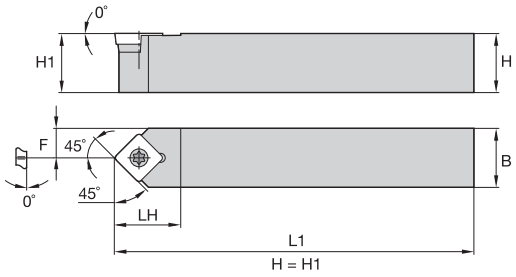


SSBC 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
1097863	**SSBCR1212N09**	12	12	11,0	160	16,0	2,2	SC..09T308	**–**	**–**	–	**MS1155**	T15
1097867	**SSBCR2525M12**	25	25	22,0	150	21,0	3,1	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15
left hand													
1098009	**SSBCL1616H09**	16	16	13,0	100	16,0	2,2	SC..09T308	**SKSP343**	**SRS3**	3.5 mm	**MS1156**	T15



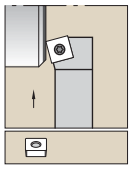


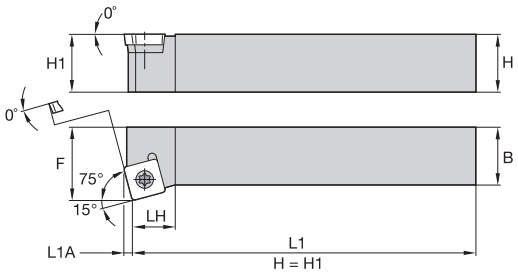


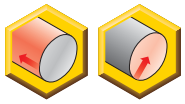
SSDC 45°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
1098005	**SSDCN1212N09**	12	12	6,0	160	18,0	SC..09T308	**–**	**–**	–	**MS1155**	T15
1098006	**SSDCN1616H09**	16	16	8,0	100	18,0	SC..09T308	**SKSP343**	**SRS3**	3.5 mm	**MS1156**	T15
1098007	**SSDCN2020K09**	20	20	10,0	125	18,0	SC..09T308	**SKSP343**	**SRS3**	3.5 mm	**MS1156**	T15



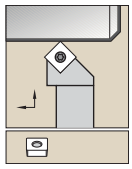


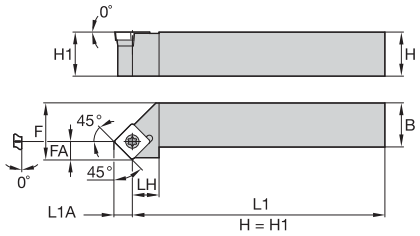


SSKC 75°



order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
1097882	**SSKCR1616H09**	16	16	20,0	100	16,0	2,2	SC..09T308	**SKSP343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand													
1098027	**SSKCL2020K12**	20	20	25,0	125	22,0	3,1	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15



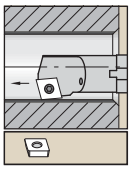




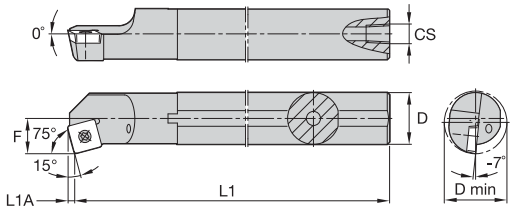
SSSC 45°



order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	hex	insert screw	Torx
right hand														
1097808	**SSSCR1212N09**	12	12	16,0	160	18,0	5,8	6,1	SC..09T308	–	–	–	**MS1155**	T15
1097809	**SSSCR1616H09**	16	16	20,0	100	18,0	6,1	6,1	SC..09T308	**SKSP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097811	**SSSCR1616H12**	16	16	20,0	100	25,0	8,3	8,3	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15
1097810	**SSSCR2020K12**	20	20	25,0	125	25,0	8,1	8,3	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15
1244982	**SSSCR2525M12**	25	25	32,0	150	25,0	8,1	8,3	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15
left hand														
1097953	**SSSCL1212N09**	12	12	16,0	160	18,0	5,8	6,1	SC..09T308	–	–	–	**MS1155**	T15
1097954	**SSSCL1616H09**	16	16	20,0	100	18,0	5,8	6,1	SC..09T308	**SKSP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097956	**SSSCL1616H12**	16	16	20,0	100	25,0	8,1	8,3	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15
1097955	**SSSCL2020K12**	20	20	25,0	125	25,0	8,1	8,3	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15
1514473	**SSSCL2525M12**	25	25	32,0	150	25,0	8,1	8,3	SC..120408	**SKSP453**	**SRS4**	4 mm	**MS1158**	T15



Steel shank with through coolant.

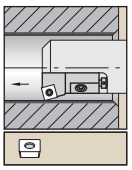


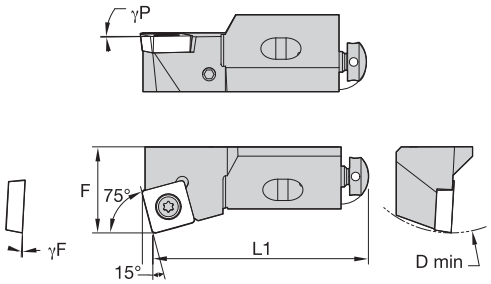
A-SSKC 75°



order number	catalogue number	D	D min	F	L1	L1A	CS	gage insert	insert screw	Torx
right hand										
1886510	**A16RSSKCR09**	16	20,0	11,0	200	2,2	1/8-27 NPT	SC..09T308	**MS1155**	T15

Screw-On Cartridges





SSKC 75°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098719	**SSKCR12CA12**	50	20,0	55	-3.0	0.0	SC..120408/SC..432
1098720	**SSKCR16CA12**	60	25,0	63	-3.0	0.0	SC..120408/SC..432
left hand							
1098721	**SSKCL12CA12**	50	20,0	55	-3.0	0.0	SC..120408/SC..432

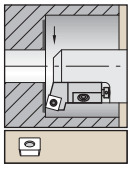
Spare Parts

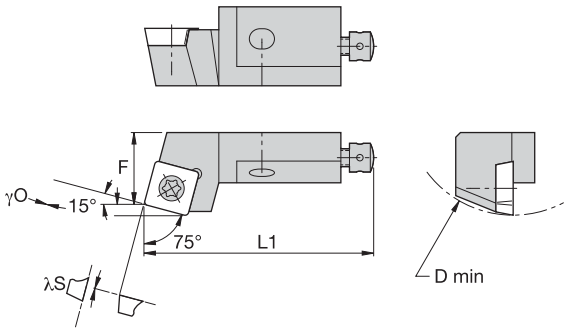






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**MS1157**	T15	**KUAM23**	2.5 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**
60	**MS1157**	T15	**KUAM25**	2.5 mm	**KUAM32**	**191.407**	5 mm	**CSWM 080 050**





SSRC 75°

order number	catalogue number	D min	F	L1	λS°	γO°	gage insert
right hand							
1098723	**SSRCR12CA12**	50	20,0	55	-3.0	0.0	SC..120408/SC..432
left hand							
1098725	**SSRCL12CA12**	50	20,0	55	-3.0	0.0	SC..120408/SC..432

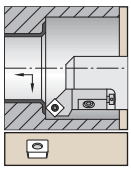
Spare Parts

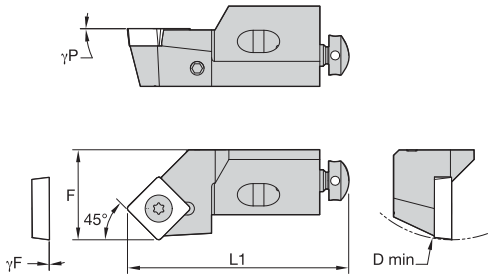






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**MS1157**	T15	**KUAM23**	2.5 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**





SSSC 45°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098737	**SSSCR12CA12**	50	20,0	47	-3.0	0.0	SC..120408/SC..432
left hand							
1098739	**SSSCL12CA12**	50	20,0	47	-3.0	0.0	SC..120408/SC..432

Spare Parts

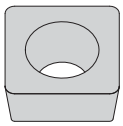


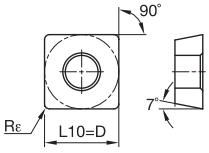




D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	**MS1157**	T15	**KUAM23**	2.5 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**

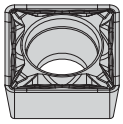
● first choice
○ alternate choice

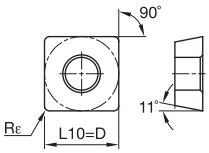




SPGT-LF

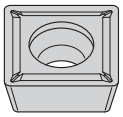
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
SPGT09T304LF	9,53	9,53	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
SPGT09T308LF	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–

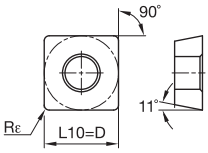




SPMT-FP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SPMT09T304FP	9,53	9,53	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
SPMT09T308FP	9,53	9,53	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



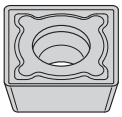


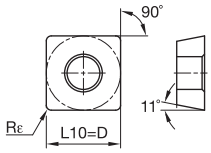
SPMT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
SPMT09T304LF	9,53	9,53	0,4	–	–	●	–	●	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
SPMT09T308LF	9,53	9,53	0,8	–	●	–	●	●	–	–	–	–	●	●	●	●	–	–	–	–	–	–	–	●	–	–	–	●	●	–	–	–

● first choice
○ alternate choice

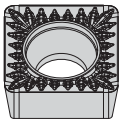
		KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P		●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M								○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K		○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																				●	●	●		●	●	●	●	●		
S																				●	●	●	●	●	●	●	●			
H																														

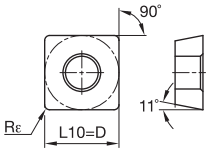




SPMT-MF

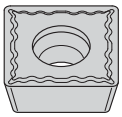
ISO catalogue number	D	L10	Rε
SPMT09T308MF	9,53	9,53	0,8
SPMT120408MF	12,70	12,70	0,8

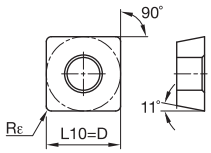




SPMT-MP

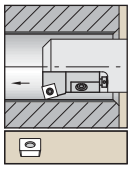
ISO catalogue number	D	L10	Rε
SPMT09T308MP	9,53	9,53	0,8
SPMT120408MP	12,70	12,70	0,8

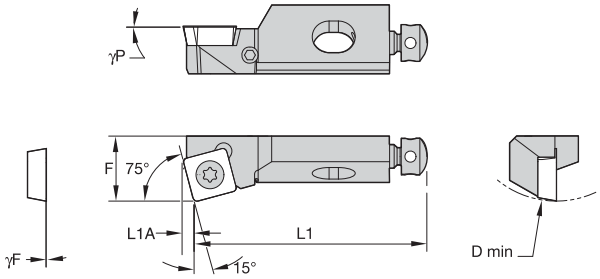




SPMT-UF

ISO catalogue number	D	L10	Rε
SPMT09T304UF	9,53	9,53	0,4





SSKP 75°

order number	catalogue number	D min	F	L1	λS°	γF°	γP°	gage insert
right hand								
1098570	**SSKPR10CA09**	40	14,0	50	0.0	0.0	0.0	SP..09T308/SP..3252

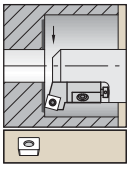
Spare Parts

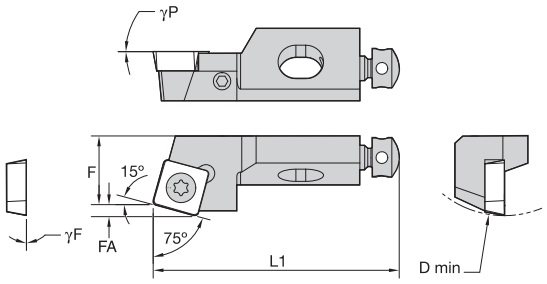






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
40	**MS1155**	T15	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**





SSRP 75°

order number	catalogue number	D min	F	FA	L1	γF°	γP°	gage insert
right hand								
1098574	**SSRPR10CA09**	40	14,0	2,2	50	0.0	0.0	SP..09T308/SP..3252

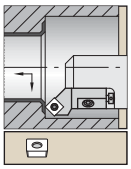
Spare Parts

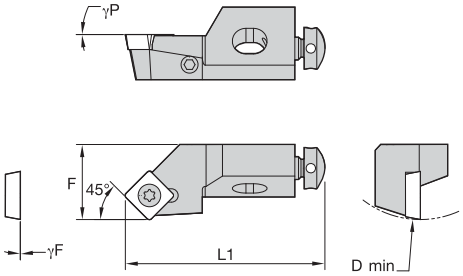






D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
40	**MS1155**	T15	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**





SSSP 45°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098572	**SSSPR10CA09**	40	14,0	44	0.0	0.0	SP..09T308/SP..3252
left hand							
1098764	**SSSPL10CA09**	40	14,0	44	0.0	0.0	SP..09T308/SP..3252

Spare Parts

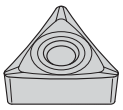


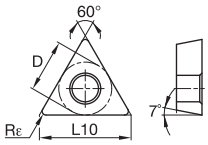




D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
40	**MS1155**	T15	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**

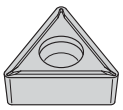
● first choice
○ alternate choice

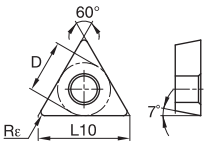




TCGT-HP

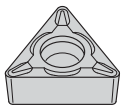
				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
ISO catalogue number	D	L10	Rε																													
TCGT110202HP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–	–
TCGT110204HP	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–
TCGT110208HP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCGT16T302HP	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–
TCGT16T304HP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	●	–	–
TCGT16T308HP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	●	–	–

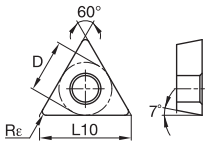




TCGT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TCGT110201LF	6,35	11,00	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	–
TCGT110204LF	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
TCGT16T301LF	9,53	16,50	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TCGT16T302LF	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCGT16T304LF	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
TCGT16T308LF	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–

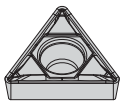


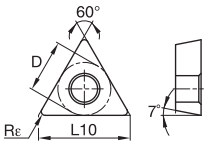


TCMT-11

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TCMT11020411	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TCMT16T30411	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
TCMT16T30811	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

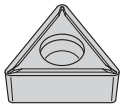
● first choice
○ alternate choice

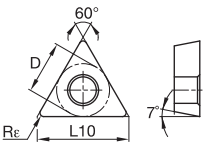




TCMT-FP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
TCMT090204FP	5,56	9,63	0,4	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TCMT090208FP	5,56	9,63	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TCMT110202FP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●
TCMT110204FP	6,35	11,00	0,4	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	●
TCMT110304FP	6,35	11,00	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TCMT110208FP	6,35	11,00	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TCMT110308FP	6,35	11,00	0,8	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TCMT110312FP	6,35	11,00	1,2	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TCMT16T304FP	9,53	16,50	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TCMT16T308FP	9,53	16,50	0,8	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	●
TCMT16T312FP	9,53	16,50	1,2	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TCMT220408FP	12,70	22,00	0,8	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	–

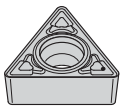


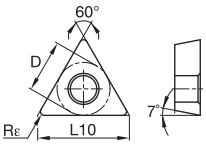


TCMT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TCMT110202LF	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCMT110204LF	6,35	11,00	0,4	–	●	●	●	●	●	–	–	●	●	●	●	●	●	●	●	–	●	–	–	–	–	–	–	●	●	–	●	–
TCMT110208LF	6,35	11,00	0,8	–	–	●	●	●	●	–	–	●	●	●	●	●	–	●	●	–	–	–	–	–	–	–	–	●	●	–	●	–
TCMT16T302LF	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TCMT16T304LF	9,53	16,50	0,4	–	●	●	●	●	–	–	–	●	–	●	●	●	–	●	●	●	●	–	–	–	–	–	–	●	●	–	●	–
TCMT16T308LF	9,53	16,50	0,8	–	●	●	●	●	●	–	●	–	●	●	●	●	–	–	●	●	●	–	–	–	–	–	–	●	●	–	●	–
TCMT16T312LF	9,53	16,50	1,2	–	●	–	–	●	–	–	–	–	–	●	●	●	–	–	–	●	–	–	–	–	–	–	–	●	–	–	–	–
TCMT220408LF	12,70	22,00	0,8	–	●	–	●	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

● first choice
○ alternate choice

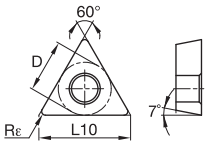




TCMT-MF

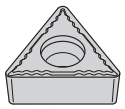
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
TCMT110208MF	6,35	11,00	0,8	–	–	–	●	●	–	–	–	–	–	●	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
TCMT16T308MF	9,53	16,50	0,8	–	–	●	●	●	●	–	–	–	●	●	●	●	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–
TCMT16T312MF	9,53	16,50	1,2	–	–	●	●	–	–	–	–	–	–	–	●	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–

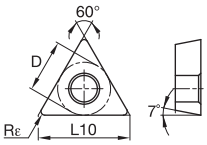




TCMT-MP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TCMT110208MP	6,35	11,00	0,8	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TCMT16T304MP	9,53	16,50	0,4	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	●	●	–	–	–	–	–	●	–	–	–	–	–	–
TCMT16T308MP	9,53	16,50	0,8	–	–	●	–	●	–	–	–	–	–	–	●	–	–	●	●	●	–	–	–	–	–	●	–	–	–	–	–	–
TCMT16T312MP	9,53	16,50	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

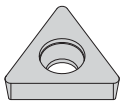


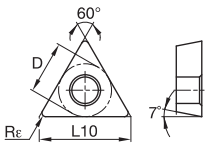


TCMT-UF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TCMT110204UF	6,35	11,00	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCMT110208UF	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TCMT16T308UF	9,53	16,50	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

● first choice
○ alternate choice





TCMW

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●			●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
TCMW16T304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TCMW16T308	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Mobile Apps

The Kennametal mobile app provides easy access to product information and calculators on both iPhone® and Android™ devices. We've highlighted a few of the key features...

There's an app for that.

SPEEDS & FEEDS

View speeds and feeds information for metalworking products.

PRODUCT AVAILABILITY

Check global availability of products. View available quantities by providing your Konnect login credentials.

CALCULATORS

Utilise our machining calculators for milling and drilling applications.

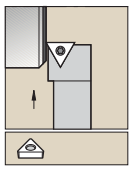


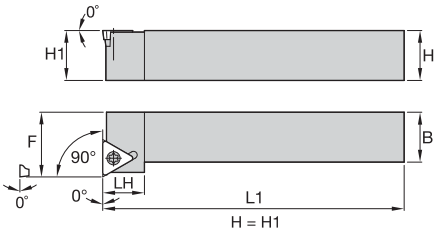
By just scanning the bar code on the insert packet, you can find the most productive cutting conditions for tool life, process time, and chip control.

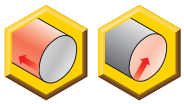
NOTE: The app is currently only available in the English-language version. We have plans to translate the app in different languages with future releases.

Google play

Available on the App Store





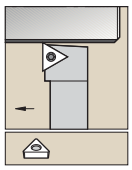


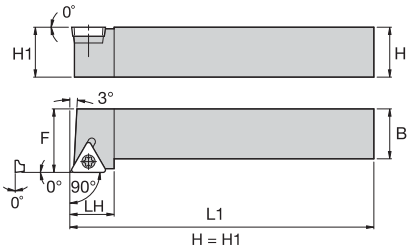
STFC 90°

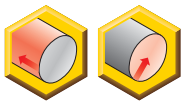




order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1244940	**STFCR1616H11**	16	16	20,0	100	16,0	TC..110204	–	–	–	**MS1153**	T7
1097880	**STFCR1616H16**	16	16	20,0	100	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097877	**STFCR2020K16**	20	20	25,0	125	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097878	**STFCR2525M16**	25	25	32,0	150	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand												
1098022	**STFCL2020K16**	20	20	25,0	125	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
1098023	**STFCL2525M16**	25	25	32,0	150	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15





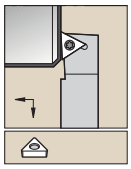


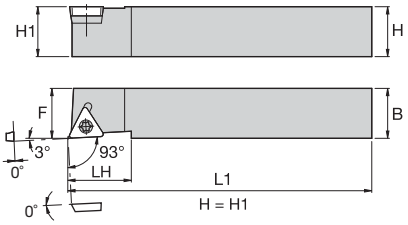
STGC 90°

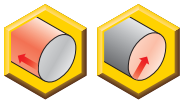




order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097869	**STGCR1212N11**	12	12	16,0	160	16,0	TC..110204	–	–	–	**MS1153**	T7
1244944	**STGCR1616H11**	16	16	20,0	100	16,0	TC..110204	–	–	–	**MS1153**	T7
1097874	**STGCR1616H16**	16	16	20,0	100	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097870	**STGCR2020K16**	20	20	25,0	125	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
1097871	**STGCR2525M16**	25	25	32,0	150	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand												
1098014	**STGCL1212N11**	12	12	16,0	160	16,0	TC..110204	–	–	–	**MS1153**	T7
1244943	**STGCL1616H11**	16	16	20,0	100	16,0	TC..110204	–	–	–	**MS1153**	T7
1098019	**STGCL1616H16**	16	16	20,0	100	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
1098015	**STGCL2020K16**	20	20	25,0	125	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
1098016	**STGCL2525M16**	25	25	32,0	150	20,0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15



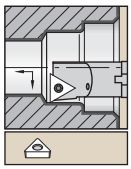




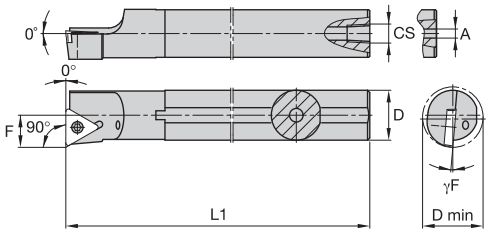
STJC-F 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
right hand									
1772197	**STJCRF1212M11Q**	12	12	12,0	150	16,0	TC..110204	**MS1153**	T7
left hand									
1772198	**STJCLF1212M11Q**	12	12	12,0	150	16,0	TC..110204	**MS1153**	T7



Steel shank with through coolant.



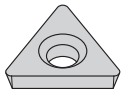


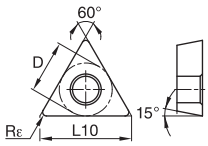
A-STFC 90°



order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	shim	shim screw	hex	insert screw	Torx
right hand														
1098207	**A10KSTFCR11**	10	13,0	7,0	125	3,2	–	-7.0	TC..110204	–	–	–	**MS1153**	T7
1098211	**A12MSTFCR11**	12	16,0	9,0	150	–	1/16-27 NPT	-6.0	TC..110204	–	–	–	**MS1153**	T7
1098286	**A32TSTFCR16**	32	40,0	22,0	300	–	1/4-18 NPT	-2.0	TC..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand														
1098209	**A10KSTFCL11**	10	13,0	7,0	125	3,2	–	-7.0	TC..110204	–	–	–	**MS1153**	T7
1098213	**A12MSTFCL11**	12	16,0	9,0	150	–	1/16-27 NPT	-6.0	TC..110204	–	–	–	**MS1153**	T7

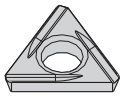
● first choice
○ alternate choice

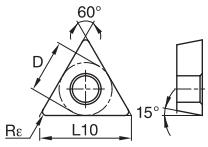




TDHB

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
TDHB07T12S0	4,06	7,04	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
TDHB07T1202	4,06	7,04	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–	–
TDHB07T1204	4,06	7,04	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–
TDHB07T1208	4,06	7,04	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–

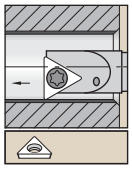




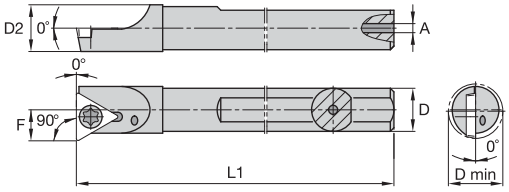
TDHH

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TDHH07T1202L	4,06	7,04	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–
TDHH07T1202R	4,06	7,04	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TDHH07T1204L	4,06	7,04	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–
TDHH07T1204R	4,06	7,04	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

NOTE: Right-hand insert uses left-hand bars.
Left-hand insert uses right-hand bars.



Steel shank with through coolant.

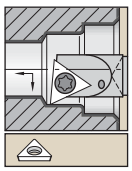




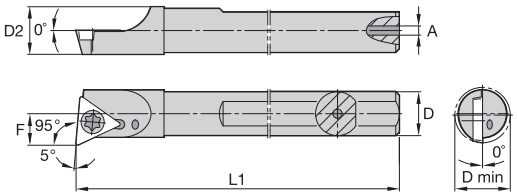
A-STFD 90°



order number	catalogue number	D	D min	D2	F	L1	A	gage insert	insert screw	Torx
right hand										
1288884	**A06HSTFDR07**	6	7,1	6,2	3,7	100	1,0	TD..07S102	**FC11**	T7
1288898	**A08HSTFDR07**	8	9,1	8,2	4,8	102	1,5	TD..07S102	**FC14**	T7
left hand										
1930573	**A12MSTFDL11**	12	13,2	12,2	6,8	152	3,0	TP..110202	**QC26**	T9



Steel shank with through coolant.

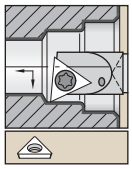




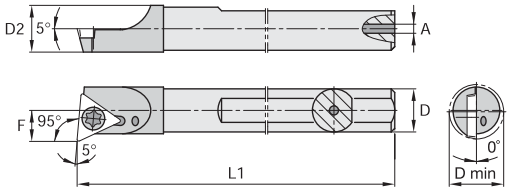
A-STLD 95°



order number	catalogue number	D	D min	D2	F	L1	A	gage insert	insert screw	Torx
right hand										
1288886	**A06HSTLDR07**	6	7,1	6,2	3,7	100	1,0	TD..07S102	**FC11**	T7
1288900	**A08HSTLDR07**	8	9,1	8,2	4,8	102	1,5	TD..07S102	**FC14**	T7



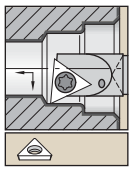
Carbide shank with through coolant.



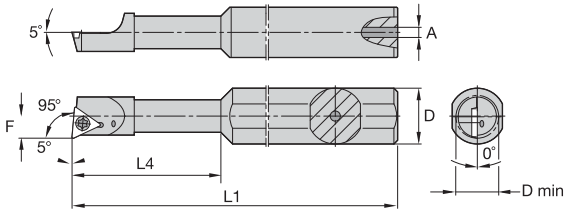
E-STLD 95°



order number	catalogue number	D	D min	F	L1	A	gage insert	insert screw	Torx
right hand									
1270982	**E06MSTLDR07**	6	7,1	3,7	152	1,2	TD..07S102	**FC11**	T7
1270992	**E08MSTLDR07**	8	9,2	4,8	152	2,4	TD..07S102	**FC11**	T7
left hand									
1270981	**E06MSTLDL07**	6	7,1	3,7	152	1,2	TD..130805	**FC11**	T7
1270991	**E08MSTLDL07**	8	9,1	4,8	152	2,4	TD..07S102	**FC14**	T7



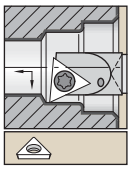
Necked steel shank with through coolant.



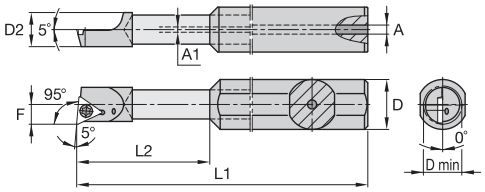
A-STLD 95° • Stepped



order number	catalogue number	D	D min	F	L1	L4	A	gage insert	insert screw	Torx
right hand										
1289155	**A0612XSTLDR0731**	12	7,5	4,0	76	31,75	1,0	TD..07T1202	**FC11**	T7
left hand										
1930492	**A0616HSTLDR0731**	16	7,5	4,0	102	31,75	1,0	TD..07S102	**FC14**	T7



Necked carbide shank with through coolant.



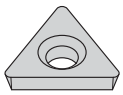


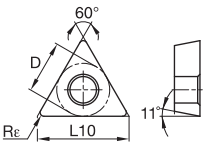
E-STLD 95° • Stepped



order number	catalogue number	D	D min	D2	F	L1	L2	A	A1	gage insert	insert screw	Torx
right hand												
1930512	**E0812XSTLDR0738**	12	9,1	7,9	4,8	76	38,1	3,2	2,0	TD..07S102	**FC14**	T7

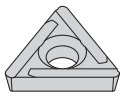
● first choice
○ alternate choice

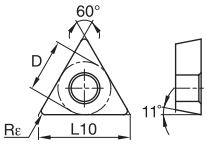




TPCB

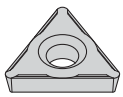
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPCB110202	6,35	–	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPCB160302	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPCB160304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TD6P	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
TPCB160308	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

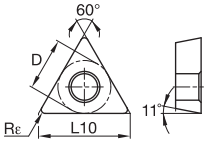




TPCG

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPCG110202L	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPCG110204L	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPCG110208L	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

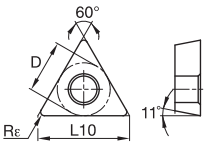




TPCH

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPCH110202	6,50	11,26	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPCH110204	6,50	11,26	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

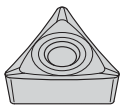


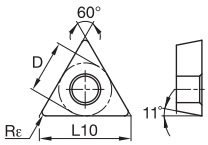


TPGH

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPGH160304	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TPGH160308	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–

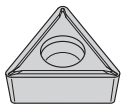
● first choice
○ alternate choice

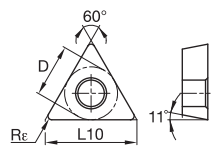




TPGT-HP

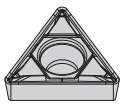
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
TPGT110202HP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
TPGT110204HP	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	–	–
TPGT110208HP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–
TPGT16T302HP	9,53	16,50	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
TPGT16T304HP	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–
TPGT16T308HP	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	●	–	–

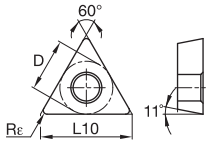




TPGT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPGT090204LF	5,56	9,62	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
TPGT090202LF	5,56	9,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
TPGT110201LF	6,35	11,00	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPGT110202LF	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
TPGT110204LF	6,35	11,00	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
TPGT110208LF	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
TPGT16T304LF	9,53	16,50	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
TPGT16T308LF	9,53	16,50	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	–	–

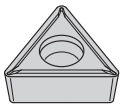


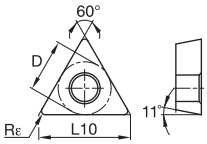


TPMT-FP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPMT090204FP	5,56	9,63	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPMT090208FP	5,56	9,63	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TPMT110202FP	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPMT110204FP	6,35	11,00	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TPMT110304FP	6,35	11,00	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
TPMT110208FP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPMT110308FP	6,35	11,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
TPMT16T304FP	9,53	16,50	0,4	–	–	●	–	●	–	–	–	–	–	–	–	●	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	–
TPMT16T308FP	9,53	16,50	0,8	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–

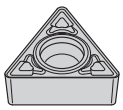
● first choice
○ alternate choice

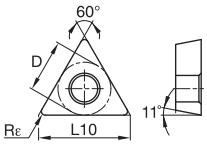




TPMT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPMT090202LF	5,56	9,63	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPMT090204LF	5,56	9,63	0,4	–	●	–	●	●	–	–	–	●	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–
TPMT110202LF	6,35	11,00	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPMT110204LF	6,35	11,00	0,4	–	●	●	●	●	–	–	–	–	●	–	–	●	–	●	●	–	–	–	●	–	–	–	–	●	●	–	●	–
TPMT110208LF	6,35	11,00	0,8	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	●	–
TPMT16T304LF	9,53	16,50	0,4	–	●	●	●	●	–	–	–	●	–	●	–	–	–	●	●	–	–	–	–	–	–	–	–	●	●	–	●	–
TPMT16T308LF	9,53	16,50	0,8	–	●	–	●	●	–	–	–	●	●	●	●	●	–	–	–	●	–	–	–	–	–	–	–	●	●	–	●	–
TPMT220408LF	12,70	22,00	0,8	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–

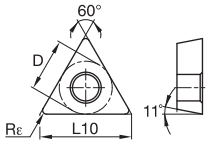




TPMT-MF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPMT110208MF	6,35	11,00	0,8	–	–	–	●	●	–	–	–	–	–	●	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
TPMT16T308MF	9,53	16,50	0,8	–	–	●	–	●	●	–	–	–	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TPMT16T312MF	9,53	16,50	1,2	–	–	–	–	●	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



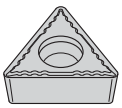


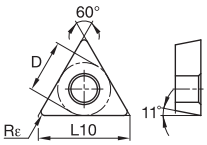
TPMT-MP

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
TPMT110208MP	6,35	11,00	0,8	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TPMT16T308MP	9,53	16,50	0,8	–	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TPMT16T312MP	9,53	16,50	1,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

P		●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M								○								●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K		○	○	○	○	○			●	●	●	●	●	●	●							●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																

● first choice
○ alternate choice

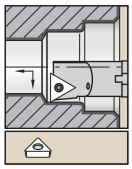




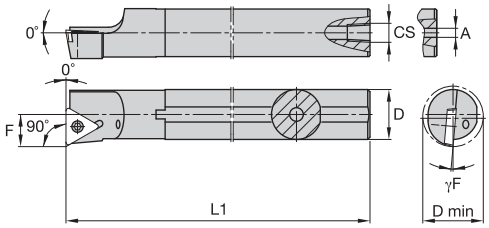
TPMT-UF

	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M							○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K	○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																			●	●	●		●	●	●	●	●		
S																			●	●	●	●	●	●	●	●			
H																													

ISO catalogue number	D	L10	Rε																										
TPMT110202UF	6,35	11,00	0,2	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TPMT110204UF	6,35	11,00	0,4	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
TPMT16T308UF	9,53	16,50	0,8	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



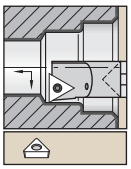
Steel shank with through coolant.



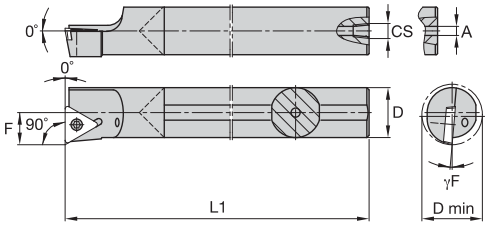
A-STFP 90°



order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	shim	shim screw	hex	insert screw	Torx
right hand														
1098154	**A08JSTFPR09**	8	11,0	6,0	110	2,4	–	-8.0	TP..090204	**–**	**–**	–	**MS1933**	T7
1098204	**A10KSTFPR11**	10	13,0	7,0	125	3,2	–	-4.0	TP..110204	**–**	**–**	–	**MS1153**	T7
1098210	**A12MSTFPR11**	12	16,0	9,0	150	4,0	1/16-27 NPT	-2.0	TP..110204	**–**	**–**	–	**MS1153**	T7
1098214	**A16RSTFPR11**	16	20,0	11,0	200	4,0	1/8-27 NPT	0.0	TP..110204	**–**	**–**	–	**MS1153**	T7
1098255	**A20SSTFPR16**	20	25,0	13,0	250	4,0	1/8-27 NPT	-2.0	TP..16T308	**–**	**–**	–	**MS1155**	T15
1098273	**A25TSTFPR16**	25	32,0	17,0	300	6,4	1/4-18 NPT	0.0	TP..16T308	**–**	**–**	–	**MS1155**	T15
1098285	**A32TSTFPR16**	32	40,0	22,0	300	–	1/4-18 NPT	-2.0	TP..16T308	**SKTP343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand														
1098155	**A08JSTFPL09**	8	11,0	6,0	110	2,4	–	-8.0	TP..090204	**–**	**–**	–	**MS1933**	T7
1098208	**A10KSTFPL11**	10	13,0	7,0	125	3,2	–	-4.0	TP..110204	**–**	**–**	–	**MS1153**	T7
1098212	**A12MSTFPL11**	12	16,0	9,0	150	4,0	1/16-27 NPT	-2.0	TP..110204	**–**	**–**	–	**MS1153**	T7
1098215	**A16RSTFPL11**	16	20,0	11,0	200	4,0	1/8-27 NPT	0.0	TP..110204	**–**	**–**	–	**MS1153**	T7
1098256	**A20SSTFPL16**	20	25,0	13,0	250	4,0	1/8-27 NPT	-2.0	TP..16T308	**–**	**–**	–	**MS1155**	T15
1098276	**A25TSTFPL16**	25	32,0	17,0	300	6,4	1/4-18 NPT	0.0	TP..16T308	**–**	**–**	–	**MS1155**	T15



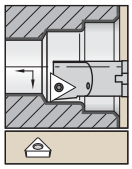
Carbide shank with through coolant.



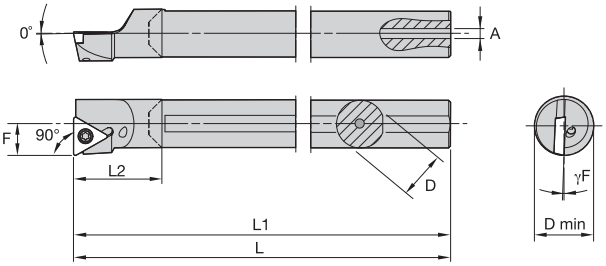
E-STFP 90°



order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
right hand										
1152860	**E08KSTFPR09A**	8	11,0	6,0	125	2,4	-6.0	TP..090204	**MS1933**	T7
1152862	**E10MSTFPR11A**	10	13,0	7,0	150	3,2	-4.0	TP..110204	**MS1153**	T7
1104311	**E12QSTFPR11**	12	16,0	9,0	180	4,8	-2.0	TP..110204	**MS1153**	T7
1152874	**E16RSTFPR11**	16	20,0	11,0	200	5,5	0.0	TP..110204	**MS1153**	T7
1152908	**E20SSTFPR16**	20	25,0	13,0	250	7,1	-2.0	TP..16T308	**MS1155**	T15
left hand										
1152863	**E10MSTFPL11A**	10	13,0	7,0	150	3,2	-4.0	TP..110204	**MS1153**	T7
1152873	**E12QSTFPL11**	12	16,0	9,0	180	4,8	-2.0	TP..110204	**MS1153**	T7
1152875	**E16RSTFPL11**	16	20,0	11,0	200	5,5	0.0	TP..110204	**MS1153**	T7
1152909	**E20SSTFPL16**	20	25,0	13,0	250	7,1	-2.0	TP..16T308	**MS1155**	T15



Heavy-metal bar with through coolant.

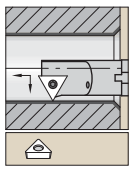




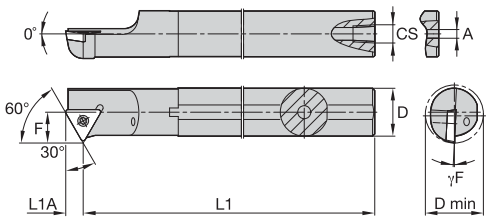
L-STFP 90°



order number	catalogue number	D	D min	F	L1	L2	A	γF°	gage insert	insert screw	Torx
right hand											
3331128	**L08KSTFPR09**	8	11,0	6,0	125	19,1	2,4	-6.0	TP..090204..	**MS1933**	T7
3331123	**L12QSTFPR11**	12	16,0	9,0	183	24,4	4,0	-2.0	TP..110204..	**MS1153**	T7
left hand											
3331131	**L08KSTFPL09**	8	11,0	6,0	125	19,1	2,4	-6.0	TP..090204..	**MS1933**	T7



Steel shank with through coolant.

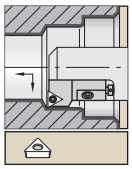


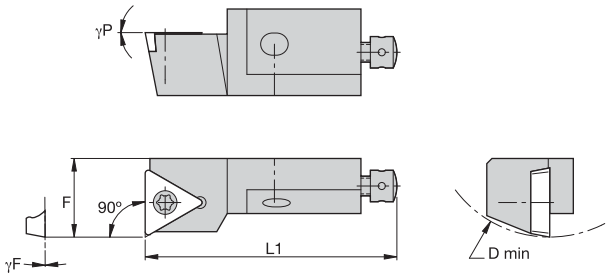


A-STWP 60°



order number	catalogue number	D	D min	F	L1	L1A	A	CS	γF°	gage insert	insert screw	Torx
right hand												
1098205	**A10KSTWPR11**	10	13,0	7,0	125	5,0	3,2	–	-4.0	TP..110204	**MS1153**	T7
1098216	**A12MSTWPR11**	12	16,0	9,0	150	–	4,0	1/16-27 NPT	-2.0	TP..110204	**MS1153**	T7
1098218	**A16RSTWPR11**	16	20,0	11,0	200	–	4,0	1/8-27 NPT	-2.0	TP..110204	**MS1153**	T7
left hand												
1098206	**A10KSTWPL11**	10	13,0	7,0	125	–	3,2	–	-4.0	TP..110204	**MS1153**	T7





STFP 90°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098565	**STFPR08CA09**	25	10,0	32	0.0	0.0	TP..090204/TP..18151
1098563	**STFPR10CA11**	40	14,0	50	0.0	0.0	TP..110204/TP..2151
1098562	**STFPR12CA16**	50	20,0	55	0.0	0.0	TP..16T308/TP..3252
left hand							
1098561	**STFPL08CA09**	25	10,0	32	0.0	0.0	TP..090204/TP..18151
1098559	**STFPL10CA11**	40	14,0	50	0.0	0.0	TP..110204/TP..2151
1098558	**STFPL12CA16**	50	20,0	55	0.0	0.0	TP..16T308/TP..3252

NOTE: ANSI/ISO compatible 60° countersunk hole inserts. This tool also accepts TPGM/TPGT/TPGW-21.5_ inserts.
ANSI/ISO compatible 60° countersunk hole inserts (i.e., TPMT/TPGT/TPGW-32.5_). 90° countersunk hole inserts (i.e., TPGM/TPGB-32.5_) do not fit this tool.

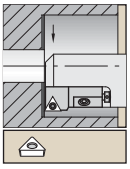
Spare Parts

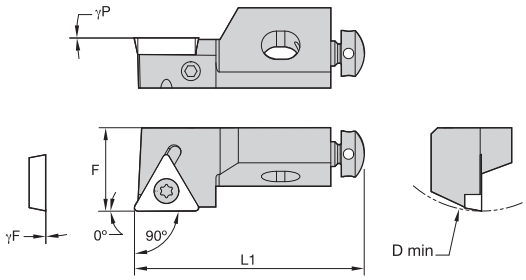







D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
25	**MS1152**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	–	2.5 mm	**CSWM 040 050**
40	**MS1153**	T7	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	4 mm	**CSWM 060 050**
50	**MS1155**	T15	**KUAM23**	2.5 mm	**KUAM31**	–	**191.406**	4 mm	**CSWM 060 050**





STGP 90°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098567	**STGPR10CA11**	40	14,0	50	0.0	0.0	TP..110204/TP..2151
1098566	**STGPR12CA16**	50	20,0	55	0.0	0.0	TP..16T308/TP..3252
left hand							
1098762	**STGPL08CA09**	25	10,0	32	0.0	0.0	TP..090204/TP..18151
1098760	**STGPL10CA11**	40	14,0	50	0.0	0.0	TP..110204/TP..2151

NOTE: ANSI/ISO compatible 60° countersunk hole inserts. This tool also accepts TPGM/TPGT/TPGW-21.5_ inserts.
ANSI/ISO compatible 60° countersunk hole inserts (i.e., TPMT/TPGT/TPGW-32.5_). 90° countersunk hole inserts (i.e., TPGM/TPGB-32.5_) do not fit this tool.

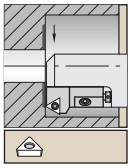
Spare Parts

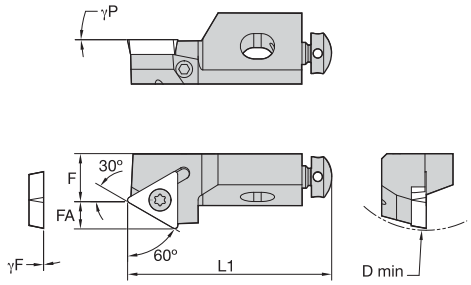







D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
25	**MS1152**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	**–**	2.5 mm	**CSWM 040 050**
40	**MS1153**	T7	**KUAM28**	2 mm	**KUAM30**	**191.405**	**–**	4 mm	**CSWM 060 050**
50	**MS1155**	T15	**KUAM23**	2.5 mm	**KUAM31**	**–**	**191.406**	4 mm	**CSWM 060 050**





STTP 60°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098744	**STTPR08CA09**	25	6,0	32	0.0	0.0	TP..090204/TP..18151
1098742	**STTPR10CA11**	40	9,0	50	0.0	0.0	TP..110204/TP..2151
1098741	**STTPR12CA16**	50	13,0	55	0.0	0.0	TP..16T308/TP..3252

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts TPGM/TPGT/TPGW-21.5_ inserts.

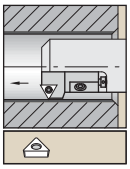
Spare Parts

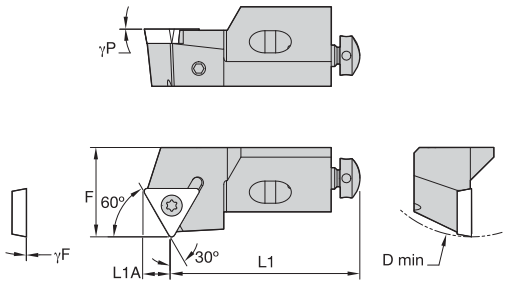







D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
25	**MS1152**	T7	**KUAM34**	1.5 mm	**KUAM20**	**MS2175**	–	2.5 mm	**CSWM 040 050**
40	**MS1153**	T7	**KUAM28**	2 mm	**KUAM30**	**191.405**	–	4 mm	**CSWM 060 050**
50	**MS1155**	T15	**KUAM23**	2.5 mm	**KUAM31**	–	**191.406**	4 mm	**CSWM 060 050**





STWP 60°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
1098750	**STWPR10CA11**	40	14,0	44	0.0	0.0	TP..110204/TP..2151
1098749	**STWPR12CA16**	50	20,0	47	0.0	0.0	TP..16T308/TP..3252

NOTE: ANSI/ISO compatible 60° countersunk hole inserts.
This tool also accepts TPGM/TPGT/TPGW-21.5_ inserts.

Spare Parts

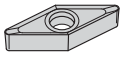


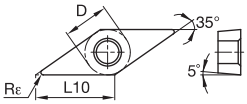





D min	insert screw	Torx	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
40	**MS1153**	T7	**KUAM28**	2 mm	**KUAM30**	**191.405**	**–**	4 mm	**CSWM 060 050**
50	**MS1155**	T15	**KUAM23**	2.5 mm	**KUAM31**	**–**	**191.406**	4 mm	**CSWM 060 050**

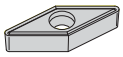
● first choice
○ alternate choice

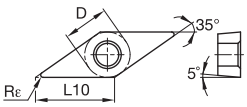




VBGT-HP

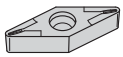
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
VBGT110302HP	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
VBGT110304HP	6,35	11,07	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–
VBGT160404HP	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	●	●	●	●	–	–
VBGT160408HP	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	●	●	●	–	–

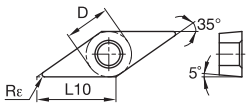




VBGT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
VBGT1103X0LF	6,35	11,07	0,0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
VBGT110301LF	6,35	11,07	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–
VBGT110302LF	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	●	●	–	–	–
VBGT110304LF	6,35	11,07	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	–	–	–
VBGT1604X0LF	9,53	16,61	0,0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
VBGT160401LF	9,53	16,61	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
VBGT160402LF	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	●	●	●	–	–
VBGT160404LF	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	●	–	–

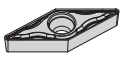


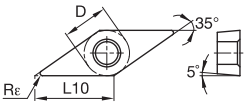


VBMT-11

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
VBMT11030211	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT11030411	6,35	11,07	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT16040411	9,53	16,61	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–
VBMT16040811	9,53	16,61	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–

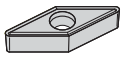
● first choice
○ alternate choice

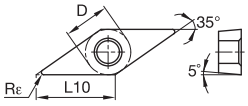




VBMT-FP

				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
P				●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	●	●	●		●	●	●	●		●	●
M										○							●	●	●	●	●	●	●	●	●	●	●	●	●		●	●
K				○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
N																						●	●	●		●	●	●	●	●		
S																						●	●	●	●	●	●	●	●			
H																																
ISO catalogue number	D	L10	Rε																													
VBMT110302FP	6,35	11,07	0,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
VBMT110304FP	6,35	11,07	0,4	–	–	●	–	●	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	●	●	–	–	–	–	●
VBMT110308FP	6,35	11,07	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	–
VBMT160402FP	9,53	16,61	0,2	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	–	–	–	●
VBMT160404FP	9,53	16,61	0,4	●	●	●	●	●	–	–	–	–	–	–	●	–	–	●	–	●	–	–	–	–	–	●	●	–	–	–	–	●
VBMT160408FP	9,53	16,61	0,8	●	●	●	●	●	–	–	–	–	–	–	●	●	–	●	–	●	–	–	–	–	–	●	●	–	–	–	–	●
VBMT160412FP	9,53	16,61	1,2	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

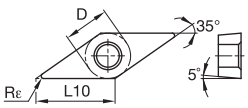




VBMT-LF

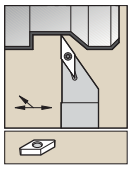
				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
ISO catalogue number	D	L10	Rε																													
VBMT110302LF	6,35	11,07	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
VBMT110304LF	6,35	11,07	0,4	●	●	●	●	●	–	–	–	●	–	–	–	–	–	●	●	–	–	–	●	–	–	–	–	●	●	–	●	–
VBMT110308LF	6,35	11,07	0,8	●	–	●	●	●	–	–	–	●	–	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–
VBMT160402LF	9,53	16,61	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	●	–	●	–
VBMT160404LF	9,53	16,61	0,4	–	●	●	●	●	●	–	–	–	●	●	●	–	●	●	●	●	●	–	●	–	–	–	–	–	●	●	–	●	–
VBMT160408LF	9,53	16,61	0,8	●	●	●	●	●	●	–	–	●	●	●	–	●	●	●	●	●	●	–	●	–	–	–	–	–	●	●	–	●	–
VBMT160412LF	9,53	16,61	1,2	–	–	–	–	●	–	–	–	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

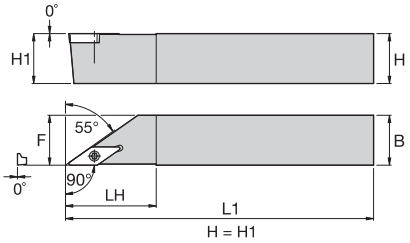


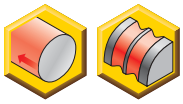


VBMT-MP

				KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
ISO catalogue number	D	L10	Rε																													
VBMT160404MP	9,53	16,61	0,4	–	–	–	●	●	–	–	–	–	–	–	●	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
VBMT160408MP	9,53	16,61	0,8	–	–	–	●	●	–	–	–	–	–	–	●	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–



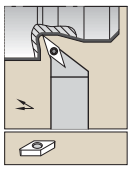


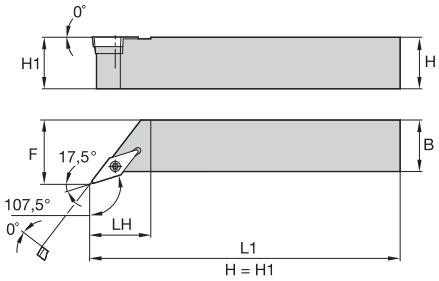


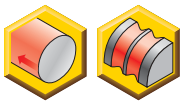
SVAB 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
right hand									
1097722	**SVABR1010M11Q**	10	10	10,0	150	22,0	VB..110304	**MS1153**	T7
1097724	**SVABR1212M11Q**	12	12	12,0	150	22,0	VB..110304	**MS1153**	T7
1097726	**SVABR1616K16Q**	16	16	16,0	125	30,0	VB..160408	**MS1155**	T15
left hand									
1097725	**SVABL1212M11Q**	12	12	12,0	150	22,0	VB..110304	**MS1153**	T7
1097727	**SVABL1616K16Q**	16	16	16,0	125	30,0	VB..160408	**MS1155**	T15







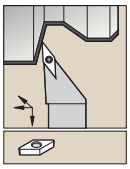
SVHB 107,5°

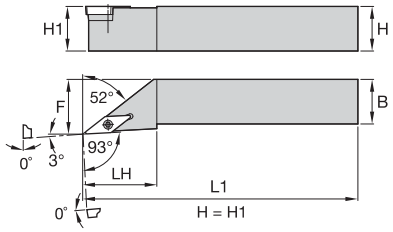






order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097804	**SVHBR1212N11**	12	12	16,0	160	19,0	VB..110304	–	–	–	**MS1153**	T7
1097805	**SVHBR1616H11**	16	16	20,0	100	19,0	VB..110304	–	–	–	**MS1153**	T7
1244953	**SVHBR2020K11**	20	20	25,0	125	26,0	VB..110304	–	–	–	**MS1153**	T7
1097806	**SVHBR2020K16**	20	20	25,0	125	28,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1097807	**SVHBR2525M16**	25	25	32,0	150	28,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand												
1097949	**SVHBL1212N11**	12	12	16,0	160	19,0	VB..110304	–	–	–	**MS1153**	T7
1097950	**SVHBL1616H11**	16	16	20,0	100	19,0	VB..110304	–	–	–	**MS1153**	T7
1244949	**SVHBL2020K11**	20	20	25,0	125	26,0	VB..110304	–	–	–	**MS1153**	T7
1097951	**SVHBL2020K16**	20	20	25,0	125	28,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1097952	**SVHBL2525M16**	25	25	32,0	150	28,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15



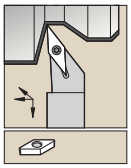


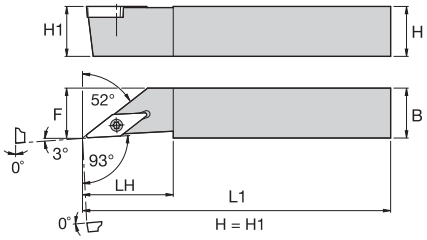
SVJB 93°





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097800	**SVJBR1212N11**	12	12	16,0	160	22,0	VB..110304	–	–	–	**MS1153**	T7
1097801	**SVJBR1616H11**	16	16	20,0	100	22,0	VB..110304	–	–	–	**MS1153**	T7
1244959	**SVJBR1616H16**	16	16	20,0	100	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1252235	**SVJBR2020K11**	20	20	25,0	125	26,0	VB..110304	–	–	–	**MS1153**	T7
1097802	**SVJBR2020K16**	20	20	25,0	125	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1097803	**SVJBR2525M16**	25	25	32,0	150	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1244992	**SVJBR3225P16**	32	25	32,0	170	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
left hand												
1097945	**SVJBL1212N11**	12	12	16,0	160	22,0	VB..110304	–	–	–	**MS1153**	T7
1097946	**SVJBL1616H11**	16	16	20,0	100	22,0	VB..110304	–	–	–	**MS1153**	T7
1244957	**SVJBL1616H16**	16	16	20,0	100	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1252234	**SVJBL2020K11**	20	20	25,0	125	26,0	VB..110304	–	–	–	**MS1153**	T7
1097947	**SVJBL2020K16**	20	20	25,0	125	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1097948	**SVJBL2525M16**	25	25	32,0	150	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1192560	**SVJBL3225P16**	32	25	32,0	170	35,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15

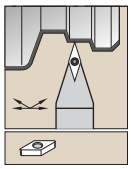


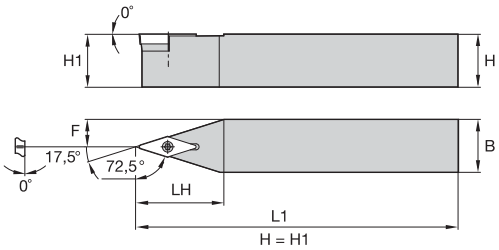


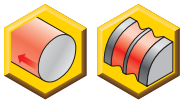
SVJB-F 93°



order number	catalogue number	H	B	F	L1	LH	gage insert	insert screw	Torx
right hand									
1097797	**SVJBRF1010M11Q**	10	10	10,0	150	23,0	VB..110304	**MS1153**	T7
1097798	**SVJBRF1212M11Q**	12	12	12,0	150	23,0	VB..110304	**MS1153**	T7
1097799	**SVJBRF1616K16Q**	16	16	16,0	125	31,0	VB..160408	**MS1155**	T15
left hand									
1097942	**SVJBLF1010M11Q**	10	10	10,0	150	23,0	VB..110304	**MS1153**	T7
1097943	**SVJBLF1212M11Q**	12	12	12,0	150	23,0	VB..110304	**MS1153**	T7
1097944	**SVJBLF1616K16Q**	16	16	16,0	125	31,0	VB..160408	**MS1155**	T15





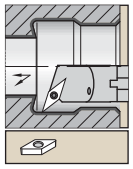


SVVB 72,5°

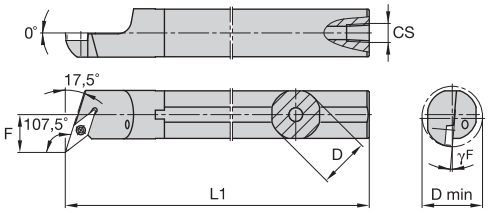


order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
1097990	**SVVBN1212N11**	12	12	6,0	160	26,0	VB..110304	–	–	–	**MS1153**	T7
1097991	**SVVBN1616H11**	16	16	8,0	100	26,0	VB..110304	–	–	–	**MS1153**	T7
1244961	**SVVBN1616H16**	16	16	8,0	100	33,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1244962	**SVVBN2020K11**	20	20	10,0	125	26,0	VB..110304	–	–	–	**MS1153**	T7
1097992	**SVVBN2020K16**	20	20	10,0	125	33,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1097993	**SVVBN2525M16**	25	25	12,5	150	33,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15
1192561	**SVVBN3225P16**	32	25	12,5	170	33,0	VB..160408	**SKVN343**	**SRS3**	3.5 mm	**MS1156**	T15

Screw-On Boring Bars



Steel shank with through coolant.

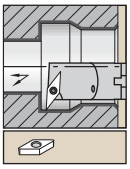




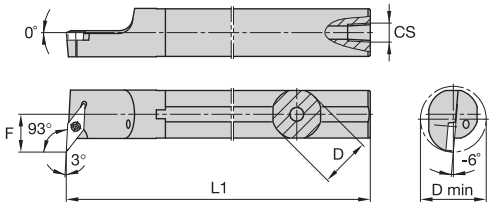
A-SVQB 107,5°



order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx
right hand										
1098232	**A16RSVQBR11**	16	20,0	11,0	200	1/8-27 NPT	-7.0	VB..110304	**MS1153**	T7
1098248	**A20SSVQBR11**	20	25,0	13,0	250	1/8-27 NPT	-6.0	VB..110304	**MS1153**	T7
1098274	**A25TSVQBR16**	25	32,0	17,0	300	1/4-18 NPT	-6.0	VB..160408	**MS1155**	T15
left hand										
1098233	**A16RSVQBL11**	16	20,0	11,0	200	1/8-27 NPT	-7.0	VB..110304	**MS1153**	T7
1098253	**A20SSVQBL11**	20	25,0	13,0	250	1/8-27 NPT	-6.0	VB..110304	**MS1153**	T7
1098277	**A25TSVQBL16**	25	32,0	17,0	300	1/4-18 NPT	-6.0	VB..160408	**MS1155**	T15



Steel shank with through coolant.



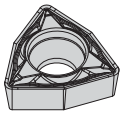


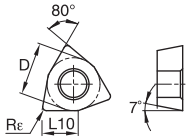
A-SVUB 93°



order number	catalogue number	D	D min	F	L1	CS	gage insert	insert screw	Torx
right hand									
1098249	**A20SSVUBR11**	20	25,0	13,0	250	1/8-27 NPT	VB..110304	**MS1153**	T7
1098275	**A25TSVUBR16**	25	32,0	17,0	300	1/4-18 NPT	VB..160408	**MS1155**	T15
left hand									
1098254	**A20SSVUBL11**	20	25,0	13,0	250	1/8-27 NPT	VB..110304	**MS1153**	T7
1098278	**A25TSVUBL16**	25	32,0	17,0	300	1/4-18 NPT	VB..160408	**MS1155**	T15

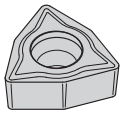
● first choice
○ alternate choice

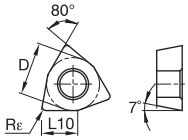




WCMT-FP

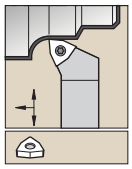
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K																												
				N																												
				S																												
				H																												
WCMT040204FP	6,35	4,34	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
WCMT06T308FP	9,53	6,52	0,8	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

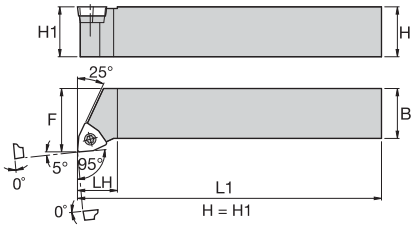




WCMT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K																												
				N																												
				S																												
				H																												
WCMT040204LF	6,35	4,34	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WCMT06T308LF	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–





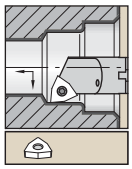


SWLC 95°

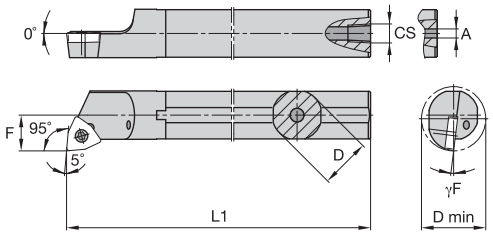


order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
1097732	**SWLCR2020K06**	20	20	25,0	125	16,0	WC..06T308	**SKWP343**	**SRS3**	3.5 mm	**MS1156**	T15

Screw-On Boring Bars



Steel shank with through coolant.



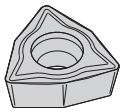


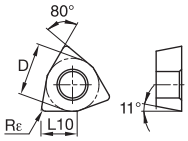
A-SWLC 95°



order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	insert screw	Torx
right hand											
1328642	**A06MSWLCR2**	10	12,2	6,4	152	3,2	–	-8.0	WC..2151	**MS1939**	T7
1328644	**A08RSWLCR2**	13	15,2	7,9	203	4,0	1/16-27 NPT	-6.0	WC..2151	**MS1153**	T7
1098062	**A10KSWLCR04**	10	13,0	7,0	125	3,0	–	-7.0	WC..040204	**MS1153**	T7
1328646	**A10SSWLCR3**	16	19,6	10,3	254	4,0	1/8-27 NPT	-7.0	WC..3252	**MS1155**	T15
1098063	**A12MSWLCR04**	12	16,0	9,0	150	–	1/16-27 NPT	-6.0	WC..040204	**MS1153**	T7
1098064	**A16RSWLCR06**	16	20,0	11,0	200	4,0	1/8-27 NPT	-7.0	WC..06T308	**MS1155**	T15
1098065	**A20SSWLCR06**	20	25,0	13,0	250	4,0	1/8-27 NPT	-5.0	WC..06T308	**MS1155**	T15
left hand											
1098069	**A16RSWLCL06**	16	20,0	11,0	200	4,0	1/8-27 NPT	-7.0	WC..06T308	**MS1155**	T15

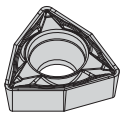
● first choice
○ alternate choice

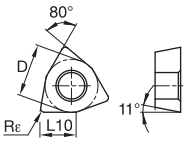




WPGT-UF

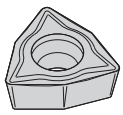
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K	○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
				N																		●	●	●		●	●	●	●	●		
				S																		●	●	●	●	●	●	●	●			
				H																												
WPGTS30101UF	4,76	3,26	0,1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
WPGTS30102UF	4,76	3,26	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
WPGT040202UF	6,35	4,34	0,2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

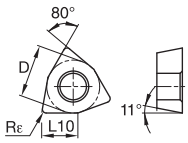




WPMT-FP

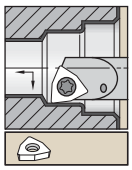
ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K	○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
				N																		●	●	●		●	●	●	●	●		
				S																		●	●	●	●	●	●	●	●			
				H																												
WPMTS3T104FP	4,76	3,25	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
WPMT040204FP	6,35	4,34	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–
WPMT06T304FP	9,53	6,52	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
WPMT06T308FP	9,53	6,52	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–



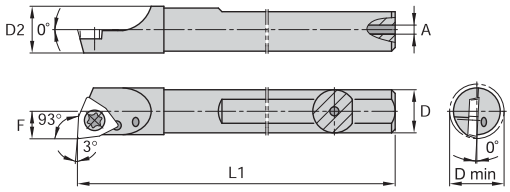


WPMT-LF

ISO catalogue number	D	L10	Rε	KCP05	KCP10B	KCP10	KCP25B	KCP25	KCP30	KCP40	KCK05B	KCK05	KCK15B	KCK15	KCK20B	KCK20	KCM15B	KCM15	KCM25B	KCM25	KCM35	KU10	K313	K68	KCS10	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KTP10
				P																												
				M																												
				K	○	○	○	○	○			●	●	●	●	●	●						●	●	●		●	●	●	●		●	●
				N																		●	●	●		●	●	●	●	●		
				S																		●	●	●	●	●	●	●	●			
				H																												
WPMTS3T104LF	4,76	3,25	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–
WPMT040204LF	6,35	4,34	0,4	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
WPMT06T304LF	9,53	6,52	0,4	–	–	–	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
WPMT06T308LF	9,53	6,52	0,8	–	–	–	●	–	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–



Steel shank with through coolant.

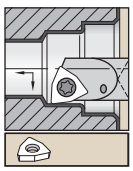




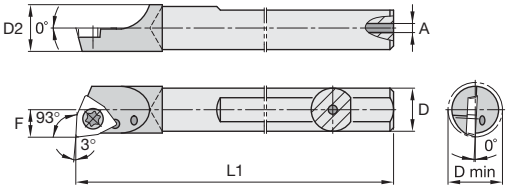
A-SWUP 93°



order number	catalogue number	D	D min	D2	F	L1	A	gage insert	insert screw	Torx
right hand										
1930544	**A06HSWUPRS3**	6	6,8	6,2	3,4	102	1,0	WP..S30104	**CT11**	T6
1930546	**A08HSWUPRS3**	8	8,8	8,2	4,4	102	2,4	WP..S30104	**CT11**	T6
1930556	**A12MSWUPR04**	12	12,9	12,2	6,6	152	4,0	WP..040204	**QTM20**	T7



Carbide shank with through coolant.





E-SWUP 93°



order number	catalogue number	D	D min	D2	F	L1	A	gage insert	insert screw	Torx
right hand										
1930550	**E06MSWUPRS3**	6	6,8	6,2	3,4	152	1,2	WP..S30104	**CT11**	T6
1930552	**E08MSWUPRS3**	8	8,8	–	4,4	152	2,4	WP..S30104	**CT11**	T6
1930558	**E10SSWUPR04**	10	11,0	–	5,6	254	3,2	WP..040204	**QTM20**	T7
1930560	**E12SSWUPR04**	12	12,9	–	6,6	254	4,7	WP..040204	**QTM20**	T7
left hand										
1930549	**E06MSWUPLS3**	6	6,8	6,2	3,4	152	1,2	WP..S30104	**CT11**	T6

Turning with Advanced Material Inserts

Ceramic, PcBN, and PCD Inserts

Turning inserts made from advanced materials, such as ceramics, PcBN (polycrystalline cubic boron nitride), and PCD (polycrystalline diamond), can be applied in hard-part turning and machining of cast irons, hardened materials, high-temp alloys, and non-ferrous materials.

Ceramic, PcBN, and PCD inserts offer:
- Improved performance.
- Greater wear resistance.



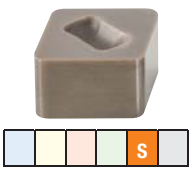
Ceramic Inserts

- Silicon-nitride based ceramic for cast iron machining.
- Mixed ceramic for hard machining and finishing of cast iron.
- Whisker ceramic for high-temp alloys and hard machining.

KYK25



KYS30™

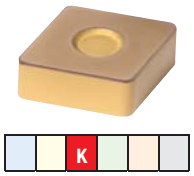


PcBN

Solid Inserts

- Inserts are made only from PcBN.
- No material joint.
- Best heat-absorption capacity.
- Can work at highest temperatures.

KBK45



Tipped Inserts

- Require a carrier and a PcBN tip.
- The tips are brazed to a carrier.
- The substrate has to have a pocket that will accommodate and support the tip.

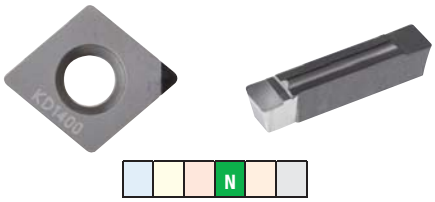
KBH20™



PCD

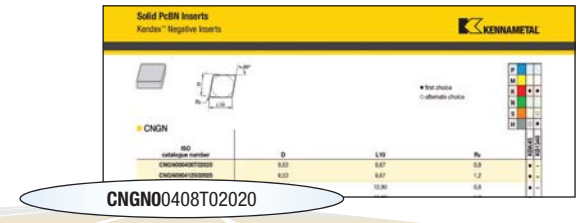
- Targeted machining of non-ferrous materials.
- Significant advantage in hardness over carbide tools.
- Increased productivity through higher speeds and longer tool life.
- Best used in processing materials that are un-machinable with conventional tooling.

KD1400



How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



C — Insert Shape

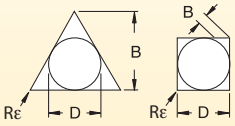
H	Hexagon 120°	
O	Octagon 135°	
P	Pentagon 108°	
R	Round —	
S	Square 90°	
T	Triangular 60°	
C D E M V	Rhomboid 80° 55° 75° 86° 35°	
W	Trigon 80° with enlarged corner angles	
L	Rectangular 90°	
A B N/K	Parallelogram 85° 82° 55°	

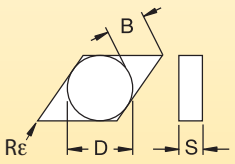
N — Insert Clearance Angle

A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°
O	For other clearance angles requiring descriptions.

G — Tolerance Class

Tolerances apply prior to edge prep and coating





D = Theoretical diameter of the insert inscribed circle
S = Thickness
B = See figures below

N — Insert Features

N	
R	
F	
A	
M	
G	
W	
T	
Q	
U	
B	
H	
C	
J	
X V	Special Design

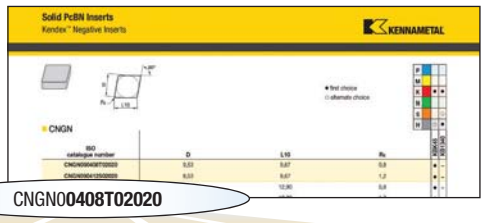
O — Size

"D"	Code for metric cutting edge length "L10"						
mm	C	D	R	S	T	V	W
3,97	S4	04	03	03	06	—	—
4,76	04	05	04	04	08	08	S3
5,56	05	06	05	05	09	09	03
6,00	—	—	06	—	—	—	—
6,35	06	07	06	06	11	11	04
7,94	08	09	07	07	13	13	05
8,00	—	—	08	—	—	—	—
9,52	09	11	09	09	16	16	06
10,00	—	—	10	—	—	—	—
11,11	11	13	11	11	19	19	07
12,00	—	—	12	—	—	—	—
12,70	12	15	12	12	22	22	08
14,29	14	17	14	14	24	24	09
15,88	16	19	15	15	27	27	10
16,00	—	—	16	—	—	—	—
17,46	17	21	17	17	30	30	11
19,05	19	23	19	19	33	33	13
20,00	—	—	20	—	—	—	—
22,22	22	27	22	22	38	38	15
25,00	—	—	25	—	—	—	—
25,40	25	31	25	25	44	44	17
31,75	32	38	31	31	54	54	21
32,00	—	—	32	—	—	—	—

tolerance class*	tolerance on "D"	tolerance on "B"	tolerance on "S"
C	±0,025	±0,013	±0,025
H	±0,013	±0,013	±0,025
E	±0,025	±0,025	±0,025
G	±0,025	±0,025	±0,013
M	See tables on next page		±0,013
U	See tables on next page		±0,013

*Tolerances apply prior to edge prep and coating.

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



04	08		T	020	20		
Thickness "S"	Corner Radius "Rε"	Hand of Insert *(optional)*	Cutting Edge *(optional)*	T-Land Width *(optional)*	T-Land Angle *(optional)*	Tip Style *(optional)*	Chipbreaker *(optional)*

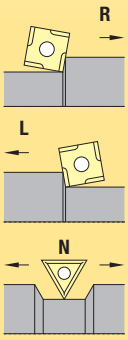
symbol	thickness
mm	mm
—	0,79
T0	1,00
01	11,59
T1	1,98
02	2,38
03	3,18
T3	3,97
04	4,76
05	5,56
06	6,35
07	7,94
09	9,52
11	11,11
12	12,70

symbol	corner radius
mm	mm
X0	0,4
01	0,1
02	0,2
04	0,4
08	0,8
12	1,2
16	1,6
20	2,0
24	2,4
28	2,8
32	3,2
00	round insert
M0	

R = Right hand

L = Left hand

N = Neutral



F* Sharp

E Rounded

T* Chamfered

S* Chamfered and Rounded

K Double-Chamfered

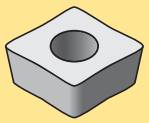
P Double-Chamfered and Rounded

*Also available in wiper style.

symbol	size
ISO	mm
010	0,01
020	0,02

symbol	size
10	10°
15	15°
20	20°
25	25°
30	30°

symbol	usage
C	full tip
M	mini tip
MT	multi-tip
ST	single tip



FW = Finishing Wiper

MW = Medium Wiper

"D"	± Tolerance on "D"			
	Class M Tolerance			Class U Tolerance
	Shapes S, T, C, R, & W	Shape D	Shape V	Shapes S, T, & C
mm	mm	mm	mm	mm
3,97	0,05	–	–	–
4,76	0,05	–	–	0,08
5,56	0,05	0,05	0,05	0,08
6,35	0,05	0,05	0,05	0,08
7,94	0,05	0,05	0,05	0,08
9,52	0,05	0,05	0,05	0,08
11,11	0,08	0,08	0,08	0,13
12,70	0,08	0,08	0,08	0,13
14,29	0,08	0,08	0,08	0,13
15,88	0,10	0,10	0,10	0,18
17,46	0,10	0,10	0,10	0,18
19,05	0,10	0,10	0,10	0,18
22,22	0,13	–	–	0,25
25,40	0,13	–	–	0,25
31,75	0,15	–	–	0,25

"D"	± Tolerance on "B"			
	Class M Tolerance			Class U Tolerance
	Shapes S, T, C, R, & W	Shape D	Shape V	Shapes S, T, & C
mm	mm	mm	mm	mm
3,97	0,08	–	–	–
4,76	0,08	–	–	0,13
5,56	0,08	0,11	–	0,13
6,35	0,08	0,11	–	0,13
7,94	0,08	0,11	–	0,13
9,52	0,08	0,11	0,18	0,13
11,11	0,13	0,15	–	–
12,70	0,13	0,15	0,25	0,20
14,29	0,13	0,15	–	–
15,88	0,15	0,18	–	0,27
17,46	0,15	0,18	–	0,27
19,05	0,15	0,18	–	0,27
22,22	0,15	–	–	0,38
25,40	0,18	–	–	0,38
31,75	0,20	–	–	0,38

Advanced Materials for Cast Iron Machining

Primary Application

The Kennametal advanced materials, utilising Beyond™ technology, offer greater wear resistance and toughness, depending on the job.

KYK ceramic inserts are the first choice for high-speed, continuous, and lightly interrupted turning applications in cast iron materials. Benefits include improved fracture toughness, better wear resistance, and an extended application range. Combining grades KYK10™ and CVD-coated KYK25™ with our other ceramic grades for cast iron, Kennametal provides a complete high-performance ceramic portfolio that can reduce machining cycle times and lower manufacturing costs.

The Kennametal SiAlON grades, such as KYK10 grade, can be applied at high cutting speeds up to the PcBN range and at varying cast iron material machinability. Combining SiAlON material science, CVD coating technology, and PcBN grades for cast iron machining, Kennametal provides a complete high-performance portfolio that can reduce cycle time and lower machining costs.

Features and Benefits

Solid PcBN Inserts

KBK45™ Grade

- Designed for elevated abrasion-resistance.
- Go-to grade for cost-per-part manufacturing.
- For roughing and finishing.
- Gold colour for improved usage monitoring.

KB1340™ Grade

- Designed for elevated abrasion-resistance.
- High-temperature resistance.
- For roughing and finishing.

Tipped PcBN Inserts

KB5630™ Grade

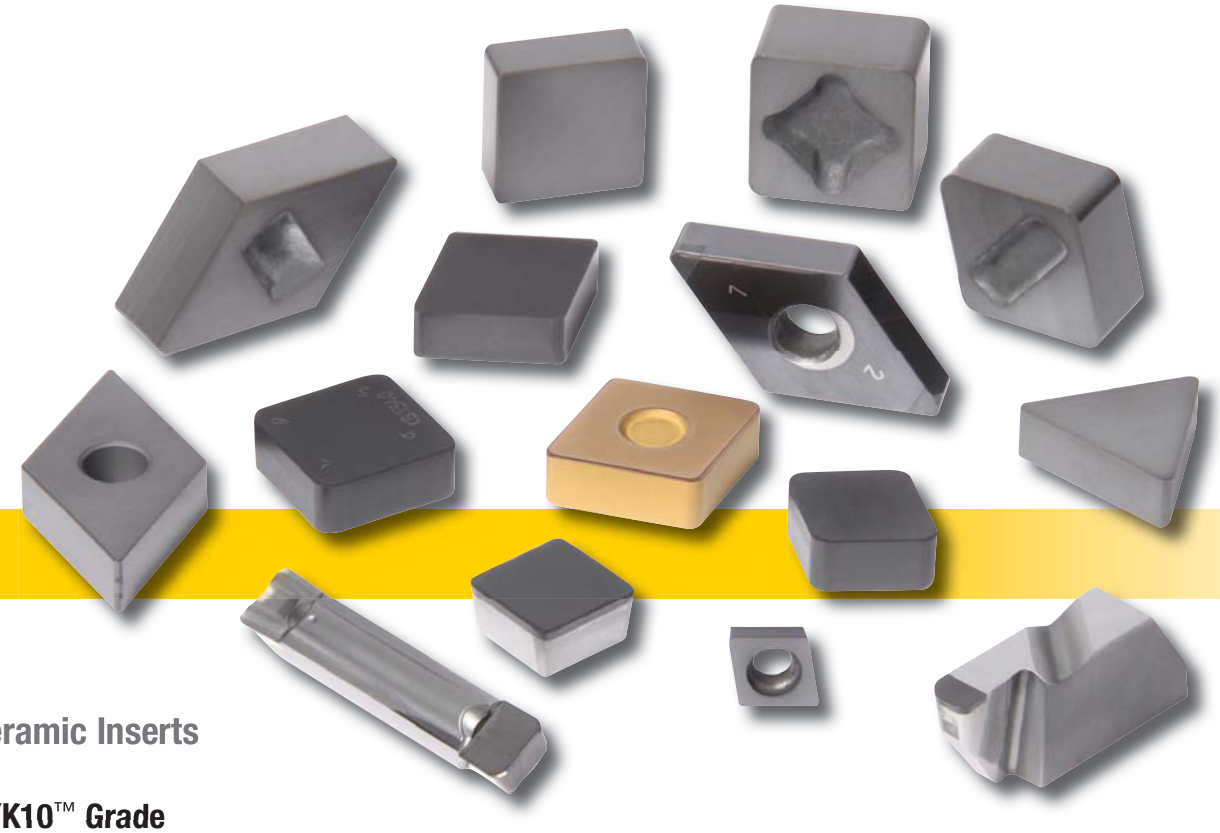
- Laminated material for fine finishing.
- Excellent edge stability.
- PVD coating for reliable tool life, even at varying material machinability.

KB1345™ Grade

- Abrasion-resistant high CBN content tipped grade.
- Very fine PcBN structure suitable for fine finishing applications.

KBK45™ grade provides the best cost-per-part in cast irons.

KB5630™ grade has greater abrasion resistance for chilled and hardened irons.



Ceramic Inserts

KYK10™ Grade

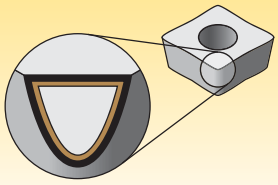
- Improved wear resistance and toughness with up to 20% longer tool life than current KY1310™ grade.
- Best suited for continuous turning of cast iron materials and in lightly interrupted cuts.

KYK25™ Grade

- 12-micron thick coating provides excellent wear resistance, and pre-coat treatment allows for very consistent tool life and performance in cast iron applications.
- Up to 30% longer tool life vs. competitors' CVD-coated ceramic grades.

KY3500™ Grade

- Excellent for roughing to finishing operations in wet or dry cuts with speeds up to 1000 m/min.
- Performs well in difficult interrupted cuts in ductile or malleable cast iron (<70 KSI tensile strength) at speeds of 250–450 m/min.



Coatings provide high-speed capability and are engineered for finishing to light roughing.

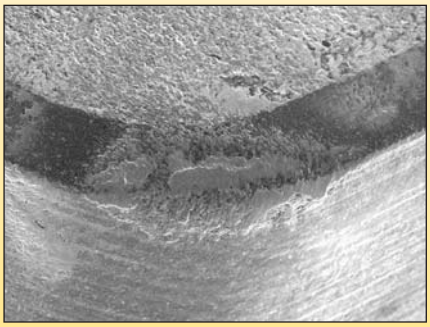
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

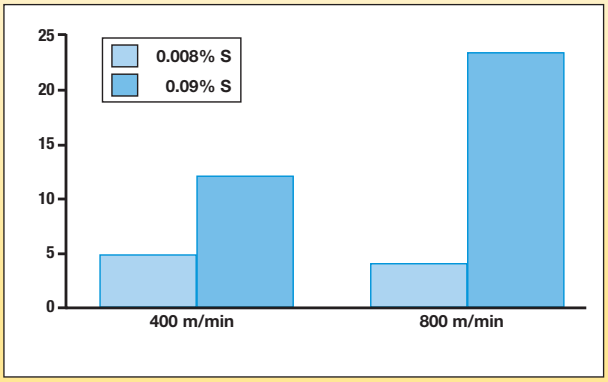
	Coating	Grade Description	05	10	15	20	25	30	35	40	45
Solid PcBN Grades	KBK45 —	**Composition:** A PVD TiN coated high CBN content, solid PcBN insert having multiple cutting edges. **Application:** Applied in roughing to finishing of grey and hard cast irons. Also used for finishing chilled cast iron and fully pearlitic cast iron. The solid PcBN insert offers better security and shock resistance compared to tipped PcBN inserts, while also enabling deeper depth-of-cut capabilities. beyond			K	K	K	K	K	K	
	KB1340 —	**Composition:** A high CBN content, solid PcBN insert having multiple cutting edges. **Application:** Applied in roughing to finishing of fully pearlitic grey cast iron, chilled irons, high-chrome alloyed steels, and heavy cuts in hardened steels (>45 HRC). The solid PcBN insert offers better security and shock resistance compared to tipped PcBN inserts, while also enabling deeper depth-of-cut capabilities.		K	K	K	K	K			
Tipped PcBN Grades	KB1345 —	**Composition:** A high CBN content, PcBN tip brazed onto a carbide insert. **Application:** Applied in roughing to finishing of fully pearlitic grey cast iron, chilled irons, high-chrome alloyed steels, sintered powdered metals, and heavy cuts in hardened steels (>45 HRC). Also used for finishing chilled cast iron and fully pearlitic cast iron. The tipped PcBN insert is available in a wide range of insert styles including positive rake geometries that are ideally suited for boring applications.				K	K	K	K	K	K
	KB5630 —	**Composition:** A high content PcBN with a PVD AlTiN coating for added wear resistance. **Application:** Designed for roughing to finishing of hardened steels (>45 HRC), abrasive workpiece materials such as sintered valve seat materials, powder metallurgy steels, and hard high-alloy cast irons. The PVD coating provides resistance to crater wear and increased resistance to chipping. A wide range of styles are available, including Screw-On geometries that are ideal for boring applications.			K	K	K	K	K		
Ceramic Grades	KYK10 —	**Composition:** An advanced SiAlON ceramic grade. **Application:** Provides maximum wear resistance. Used for high-speed continuous turning of grey cast iron, including through scale. To be used for varying cast iron machinability. beyond			K	K	K	K	K	K	K
	KYK25 —	**Composition:** Pure silicon nitride ceramic with an alumina CVD coating. **Application:** Excellent combination of toughness and edge wear resistance. Used for general purpose machining of grey, ductile, or nodular cast irons. To be used for varying cast iron machinability. beyond			K	K	K	K	K	K	K
	KY3500 —	**Composition:** Pure silicon nitride grade. **Application:** Maximum toughness. Used at high feed rates for rough machining of grey cast iron, including machining through interruptions.			K	K	K	K	K	K	K

Machinability of Cast Iron

- Unaged casting is difficult to machine and leads to shorter tool life.
- Low sulphur content leads to shorter tool life.
- High titanium content decreases the tool life significantly.
- Increased ferrite content leads to high chemical wear and a substantially shorter tool life.
- Compacted graphite cast iron shows high chemical wear.



Proper application of KB1340™ — formation of protective layer; tool life should exceed 70 km sliding distance.

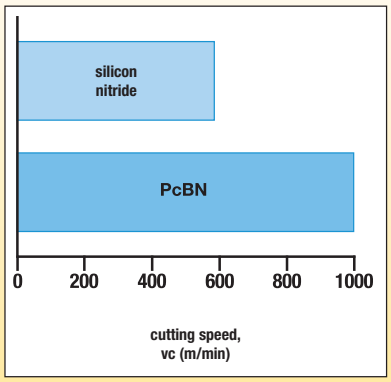


Comparison of the life of PcBN cutting tools in machining two different grey cast irons, primarily differing in sulphur content.

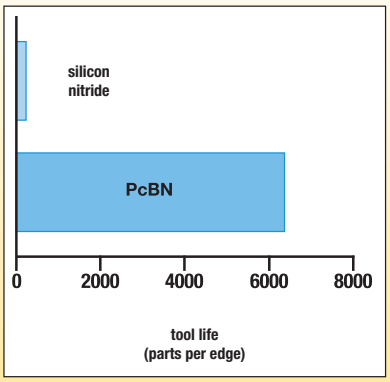
Grey Cast Iron Brake Disk Machining • Ceramic vs. PcBN



(a)



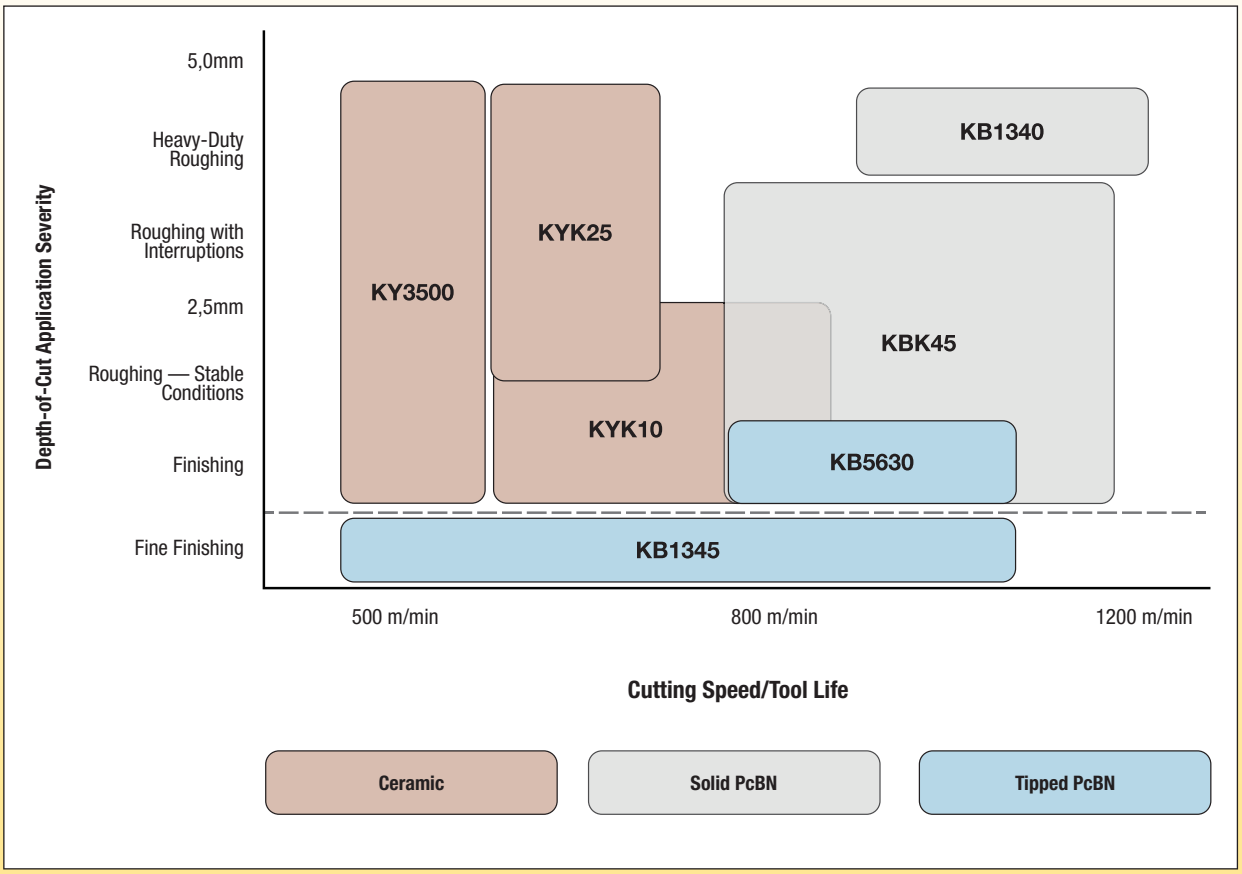
(b)



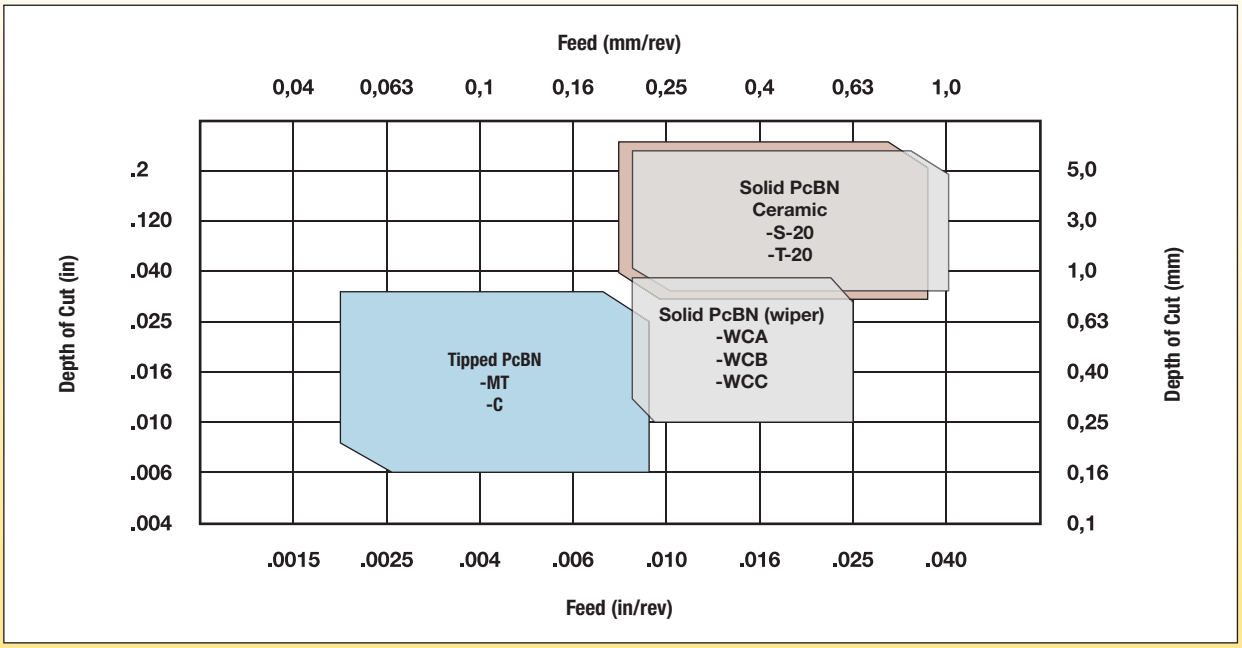
(c)

PcBN increases productivity when machining grey iron brake disks (a) in terms of cutting speed (b) and tool life (c) compared to silicon nitride ceramic.

Select the Cutting Material



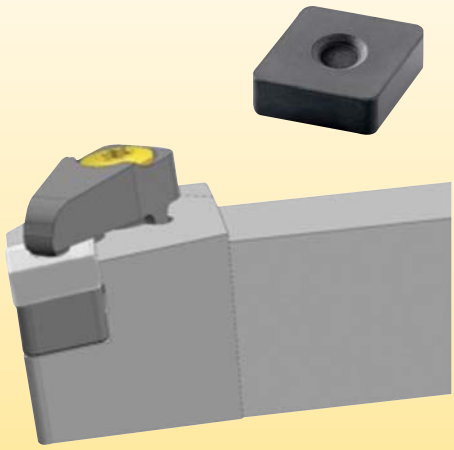
Depth of Cut



Dimple Clamps for Added Stability

Typical Application

Continuous cost pressures force manufacturers of grey cast iron brake disks to look for cost-cutting solutions. CBN inserts deliver high productivity and long tool life. Kennametal has developed the solid, high-content grade KB1340™, which provides superior performance when machining grey cast iron components, such as brake disks or fly wheels. To ensure secure seating in the toolholder, the inserts are available with dimple-design clamping. The clamps fit Ceramtec holders, which makes the conversion to Kennametal tooling easier.



Higher Productivity and Profitability

- Ensures tight and rigid clamping.
- Dimpled insert with special clamping provides increased stability in the pocket.
- Ideal for use in heavy-duty machining applications.
- Cladded clamps for improved resistance against chip wash are available upon request.
- The shallow dimple design enables the use of less expensive 4,76mm (3/16") inserts.
- Round dimple design works with custom tooling where clamping direction must be offset due to space limitations.

Clamp Selection Chart

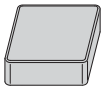
inserts		clamp	
ANSI Catalogue Number	ISO Catalogue number	Catalogue Number	Order Number
CNGX433S0415	CNGX120412S01015	551.718–100° Corner	3968904
CNGX433S0415FW	CNGX120412S01015FW	551.718–100° Corner	3968904
CNGX434S0820	CNGX120416S02020	551.718–100° Corner	3968904
CNGF432	CNGF120408	551.718–100° Corner	3968904
DNGX434S0820	DNGX150416S02020	551.720	4094234
SNGX434S0820	SNGX120416S02020	551.718	3968904
SNGX534S0820	SNGX150416S02020	551.718	3968904
VNGX333S0820	VNGX160412S02020	551.721	4094236
TNGX333EFW	TNGX160412EFW	551.733	4094235

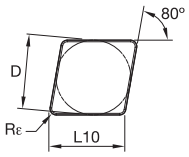
Wipers for Cast Iron Machining

WCA
Wiper for cast iron machining for a feed rate up to f = 0,25 mm/rev.

WCB
Wiper for cast iron machining for a feed rate up to f = 0,45 mm/rev.

WCC
Wiper for cast iron machining for a feed rate up to f = 0,65 mm/rev.



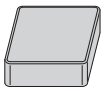


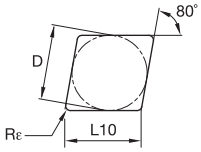
● first choice
○ alternate choice

P		
M		
K	●	●
N		
S		○
H	○	●

CNGN

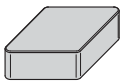
ISO catalogue number	D	L10	Rε	KBK45	KB1340
CNGN090408T02020	9,53	9,67	0,8	●	–
CNGN090412S02020	9,53	9,67	1,2	●	–
CNGN120408T02020	12,70	12,90	0,8	●	–
CNGN120412S02020	12,70	12,90	1,2	●	–
CNGN120416S02020	12,70	12,90	1,6	●	–

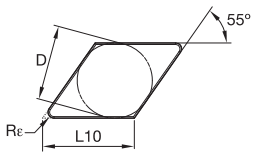




CNMN

ISO catalogue number	D	L10	Rε	KBK45	KB1340
CNMN120408S02020	12,70	12,90	0,8	–	●
CNMN120412S02020	12,70	12,90	1,2	–	●

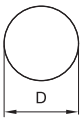




DNGN

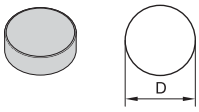
ISO catalogue number	D	L10	Rε	KBK45	KB1340
DNGN120408S02020	10,00	12,21	0,8	●	–
DNGN120412S02020	10,00	12,21	1,2	●	–





RNGN

ISO catalogue number	D	L10	Rε	KBK45	KB1340
RNGN090400S02020	9,53	–	–	●	–
RNGN120400S02020	12,70	–	–	●	–



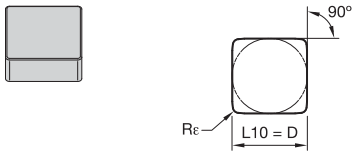
● first choice
○ alternate choice

P		
M		
K	●	●
N		
S		○
H	○	●

RNMN

ISO catalogue number	D	L10	Rε	KBK45	KB1340
RNMN090300S02020	9,53	–	–	–	●
RNMN120300S02020	12,70	–	–	–	●
RNMN120400S02020	12,70	–	–	–	●

Kendex Positive Inserts

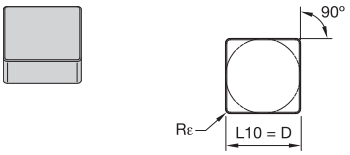


P		
M		
K	●	●
N		
S		○
H	○	●

SNGN

ISO catalogue number	D	L10	Rε	KBK45	KB1340
SNGN120408T02020	12,70	12,70	0,8	●	–
SNGN120412S02020	12,70	12,70	1,2	●	–
SNGN120416S02020	12,70	12,70	1,6	●	–

Kendex Positive Wiper Inserts

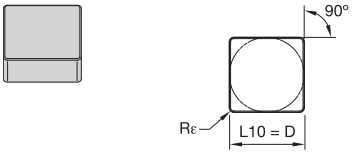


● first choice
○ alternate choice

P		
M		
K	●	●
N		
S		○
H	○	●

SNGN-WCB

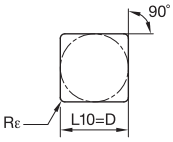
ISO catalogue number	D	L10	Rε	KBK45	KB1340
SNGN090408S01015WCB	9,53	9,52	0,8	●	–



SNGN-WCC

ISO catalogue number	D	L10	Rε	KBK45	KB1340
SNGN090408S01015WCC	9,53	9,53	0,8	●	–





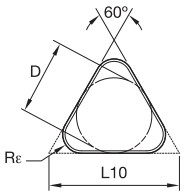
● first choice
○ alternate choice

P		
M		
K	●	●
N		
S		○
H	○	●

SNMN

ISO catalogue number	D	L10	Rε	KBK45	KB1340
SNMN090308S02020	9,53	9,53	0,8	–	●
SNMN090316S02020	9,53	9,53	1,6	–	●
SNMN120316S02020	12,70	12,70	1,6	–	●
SNMN120416T02020	12,70	12,70	1,6	–	●

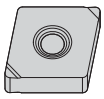


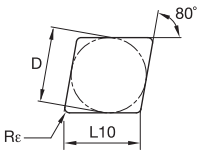


TNGN

ISO catalogue number	D	L10	Rε	KBK45	KB1340
TNGN110416S02020	6,35	11,00	1,6	●	–
TNGN160416S02020	9,53	16,50	1,6	●	–

Kendex™ Negative Dimple Inserts





● first choice
○ alternate choice

P		
M		
K	●	●
N		
S		○
H	○	●

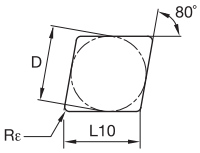
CNGF

ISO catalogue number	D	L10	Rε	KBK45	KB1340
CNGF120408	12,70	12,90	0,8	–	●

● first choice
○ alternate choice

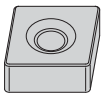
P		
M		
K	●	●
N		
S		○
H	○	●

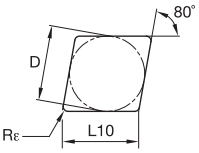




CNGX

ISO catalogue number	D	L10	Rε	KBK45	KB1340
CNGX120408T02020	12,70	12,90	0,8	●	–
CNGX120412S01015	12,70	12,90	1,2	–	●
CNGX120412S02020	12,70	12,90	1,2	●	–
CNGX120416S02020	12,70	12,90	1,6	●	●

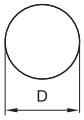




CNGX-FW

ISO catalogue number	D	L10	Rε	KBK45	KB1340
CNGX120412S01015FW	12,70	12,90	1,2	–	●

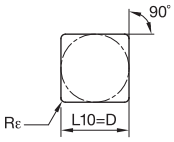




RNGX

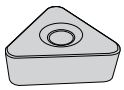
ISO catalogue number	D	L10	Rε	KBK45	KB1340
RNGX120400S02020	12,70	–	–	●	–

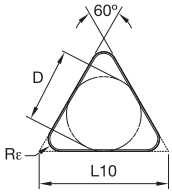




SNGX

ISO catalogue number	D	L10	Rε	KBK45	KB1340
SNGX120408T02020	12,70	12,70	0,8	●	–
SNGX120412S02020	12,70	12,70	1,2	●	–
SNGX120416S02020	12,70	12,70	1,6	●	●





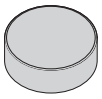
● first choice
○ alternate choice

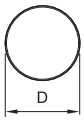
P		
M		
K	●	●
N		
S		○
H	○	●

TNGX

ISO catalogue number	D	L10	Rε	KBK45	KB1340
TNGX160416S02020	9,53	16,50	1,6	●	–

Kendex™ Positive Inserts





● first choice
○ alternate choice

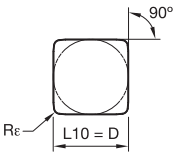
P		
M		
K	●	●
N		
S		○
H	○	●

RCGN

ISO catalogue number	D	L10	Rε	KBK45	KB1340
RCGN090400T01015	9,53	–	–	●	–

Kendex™ Negative Wiper Inserts





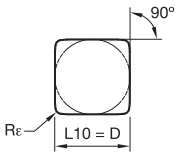
● first choice
○ alternate choice

P		
M		
K	●	●
N		
S		○
H	○	●

SCGN-WCB

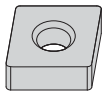
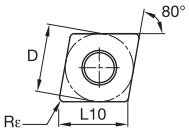
ISO catalogue number	D	L10	Rε	KBK45	KB1340
SCGN090408S01015WCB	9,53	9,52	0,8	●	–





SCGN-WCC

ISO catalogue number	D	L10	Rε	KBK45	KB1340
SCGN090408S01015WCC	9,53	9,52	0,8	●	–

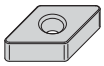
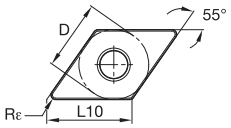
● first choice
○ alternate choice

P		
M		
K	●	●
N		
S		○
H	○	●

CNMA

ISO catalogue number	D	L10	Rε	KBK45	KB1340
CNMA120408S02020	12,70	12,90	0,8	–	●
CNMA120412S02020	12,70	12,90	1,2	–	●

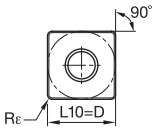
NOTE: For toolholders and boring bars, see pages B58–B73.

DNMA

ISO catalogue number	D	L10	Rε	KBK45	KB1340
DNMA110408S02020	9,53	11,63	0,8	–	●
DNMA110412S02020	9,53	11,63	1,2	–	●

NOTE: For toolholders and boring bars, see pages B85–B93.

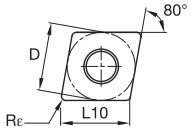



SNMA

ISO catalogue number	D	L10	Rε	KBK45	KB1340
SNMA120412S02020	12,70	12,70	1,2	–	●

NOTE: For toolholders and boring bars, see pages B105–B121.

Advanced Material Inserts • Hard Turning Materials

● first choice
○ alternate choice

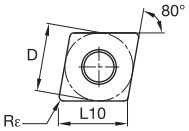
P		
M		
K	●	●
N		
S	○	●
H	●	●

CNGA-FWMT

ISO catalogue number	D	L10	Rε	KB1345	KB5630
CNGA120404S01025FWMT	12,70	12,90	0,4	–	●
CNGA120408S01025FWMT	12,70	12,90	0,8	–	●

NOTE: For toolholders and boring bars, see pages B58–B73.





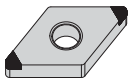
● first choice
○ alternate choice

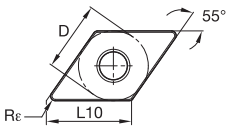
P			
M			
K	●	●	
N			
S	○	●	
H	●	●	

CNGA-MT

ISO catalogue number	D	L10	Rε	KB1345	KB5630
CNGA120404S01025MT	12,70	12,90	0,4	–	●
CNGA120408S01020MT	12,70	12,90	0,8	●	–
CNGA120408S01025MT	12,70	12,90	0,8	–	●
CNGA120408S02020MT	12,70	12,90	0,8	●	–
CNGA120412S01020MT	12,70	12,90	1,2	–	●
CNGA120412S01025MT	12,70	12,90	1,2	–	●

NOTE: For toolholders and boring bars, see pages B58–B73.





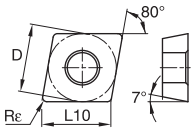
DNGA-MT

ISO catalogue number	D	L10	Rε	KB1345	KB5630
DNGA150404S01025MT	12,70	15,50	0,4	–	●
DNGA150408S01020MT	12,70	15,50	0,8	●	–
DNGA150408S01025MT	12,70	15,50	0,8	–	●

NOTE: For toolholders and boring bars, see pages B85–B93.

Advanced Material Inserts • Hard Turning Materials





● first choice
○ alternate choice

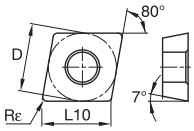
P			
M			
K	●	●	
N			
S	○	●	
H	●	●	

CCGW-C

ISO catalogue number	D	L10	Rε	KB1345	KB5630
CCGW060202S01015C	6,35	6,45	0,2	–	●
CCGW060204S01015C	6,35	6,45	0,4	–	●
CCGW09T308EC	9,53	9,67	0,8	●	–

NOTE: For toolholders and boring bars, see pages B179–B183.





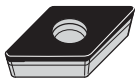
● first choice
○ alternate choice

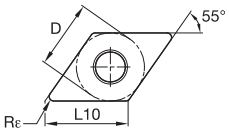
P		
M		
K	●	●
N		
S	○	●
H	●	●

CCGW-MT

ISO catalogue number	D	L10	Rε	KB1345	KB5630
CCGW09T304S01015MT	9,53	9,67	0,4	–	●
CCGW09T308S01015MT	9,53	9,67	0,8	–	●

NOTE: For toolholders and boring bars, see pages B179–B183.

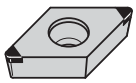


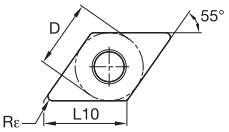


DCGW-C

ISO catalogue number	D	L10	Rε	KB1345	KB5630
DCGW070202S01015C	6,35	7,75	0,2	–	●
DCGW070204S01015C	6,35	7,75	0,4	–	●

NOTE: For toolholders and boring bars, see pages B209–B213.





● first choice
○ alternate choice

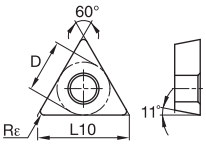
P		
M		
K	●	●
N		
S	○	●
H	●	●

DCGW-MT

ISO catalogue number	D	L10	Rε	KB1345	KB5630
DCGW11T304S01015MT	9,53	11,63	0,4	●	●
DCGW11T308S01015MT	9,53	11,63	0,8	●	●

NOTE: For toolholders and boring bars, see pages B209–B213.

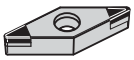


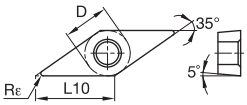


TPGW-C

ISO catalogue number	D	L10	Rε	KB1345	KB5630
TPGW110204EC	6,35	11,00	0,4	●	–
TPGW110208S01015C	6,35	11,00	0,8	–	●

NOTE: For toolholders and boring bars, see pages B257–B263.





● first choice
○ alternate choice

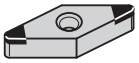
P			
M			
K		●	●
N			
S		○	●
H		●	●

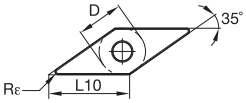
VBGW-MT

ISO catalogue number	D	L10	Rε	KB1345	KB5630
VBGW160404S01015MT	9,53	16,61	0,4	–	●
VBGW160408S01015MT	9,53	16,61	0,8	–	●

NOTE: For toolholders and boring bars, see pages B266–B269.

Kenloc™ Inserts





● first choice
○ alternate choice

P			
M			
K		●	●
N			
S		○	●
H		●	●

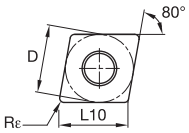
VNGA-MT

ISO catalogue number	D	L10	Rε	KB1345	KB5630
VNGA160404S01025MT	9,53	16,61	0,4	–	●
VNGA160408S01025MT	9,53	16,61	0,8	–	●

NOTE: For toolholders and boring bars, see pages B149–B153.

ISO Ceramic Inserts • Kenloc™ Inserts





● first choice
○ alternate choice

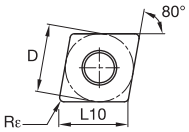
P			
M			
K		●	●
N			
S			
H			

CNGA

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
CNGA120408T02020	12,70	12,90	0,8	●	●	●
CNGA120412T02020	12,70	12,90	1,2	●	●	●
CNGA120416T02020	12,70	12,90	1,6	●	●	●
CNGA160612T02020	15,88	16,12	1,2	●	–	●
CNGA160616T02020	15,88	16,12	1,6	–	–	●
CNGA190612T02020	19,05	19,34	1,2	–	–	●
CNGA190616T02020	19,05	19,34	1,6	●	–	●

NOTE: For toolholders and boring bars, see pages B58–B73.





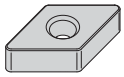
● first choice
○ alternate choice

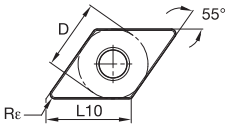
P			
M			
K	●	●	●
N			
S			
H			

CNGA-FW

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
CNGA120408T01020FW	12,70	12,90	0,8	●	–	●
CNGA120412T01020FW	12,70	12,90	1,2	●	●	●
CNGA120412T02020FW	12,70	12,90	1,2	–	●	–
CNGA120416T01020FW	12,70	12,90	1,6	–	–	●

NOTE: For toolholders and boring bars, see pages B58–B73.



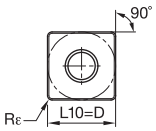


DNGA

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
DNGA150408T02020	12,70	15,50	0,8	–	–	●
DNGA150412T02020	12,70	15,50	1,2	–	–	●
DNGA150416T02020	12,70	15,50	1,6	●	●	●
DNGA150608T02020	12,70	15,50	0,8	–	–	●
DNGA150612T02020	12,70	15,50	1,2	–	–	●

NOTE: For toolholders and boring bars, see pages B85–B93.

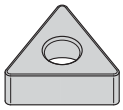


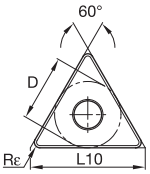


SNGA

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
SNGA120408T02020	12,70	12,70	0,8	●	●	●
SNGA120412T02020	12,70	12,70	1,2	●	–	●
SNGA120416T02020	12,70	12,70	1,6	–	–	●
SNGA150612T02020	15,88	15,88	1,2	–	–	●
SNGA150612T02020	15,88	15,88	1,2	●	–	–
SNGA150616T02020	15,88	15,88	1,6	–	–	●
SNGA190612T02020	19,05	19,05	1,2	–	–	●

NOTE: For toolholders and boring bars, see pages B105–B121.





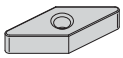
● first choice
○ alternate choice

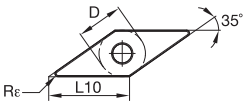
P				
M				
K	●	●	●	
N				
S				
H				

TNGA

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
TNGA160408T02020	9,53	16,50	0,8	–	●	●
TNGA160412T02020	9,53	16,50	1,2	–	–	●
TNGA160416T02020	9,53	16,50	1,6	–	–	●

NOTE: For toolholders and boring bars, see pages B132–B142.

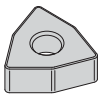


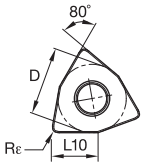


VNGA

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
VNGA160408T02020	9,53	16,61	0,8	–	–	●
VNGA220408T02020	12,70	22,14	0,8	●	–	–

NOTE: For toolholders and boring bars, see pages B149–B153.

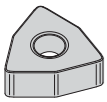


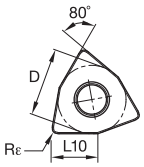


WNGA

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
WNGA080408T02020	12,70	8,69	0,8	●	–	●
WNGA080412T02020	12,70	8,69	1,2	●	–	●
WNGA080416T02020	12,70	8,69	1,6	–	–	●

NOTE: For toolholders and boring bars, see pages B161–B165.



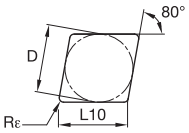


WNGA-FW

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
WNGA080408T01020FW	12,70	8,69	0,8	–	–	●

NOTE: For toolholders and boring bars, see pages B161–B165.



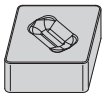


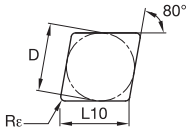
● first choice
○ alternate choice

P			
M			
K	●	●	●
N			
S			
H			

CNGN

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
CNGN120408T02020	12,70	12,90	0,8	–	–	●
CNGN120412T02020	12,70	12,90	1,2	–	–	●
CNGN120416T02020	12,70	12,90	1,6	–	–	●
CNGN120712T02020	12,70	12,90	1,2	–	–	●
CNGN120716T02020	12,70	12,90	1,6	–	●	–

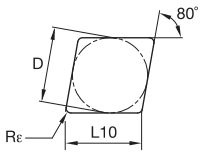




CNGX-FW

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
CNGX120708T01020FW	12,70	12,90	0,8	–	–	●
CNGX120712T01020FW	12,70	12,90	1,2	–	–	●
CNGX120716T01020FW	12,70	12,90	1,6	–	–	●



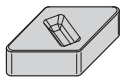


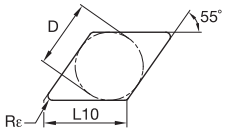
CNMX

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
CNMX120708T02020	12,70	12,90	0,8	–	–	●
CNMX120712T02020	12,70	12,90	1,2	–	–	●
CNMX120716T02020	12,70	12,90	1,6	–	–	●

● first choice
○ alternate choice

P			
M			
K	●	●	●
N			
S			
H			

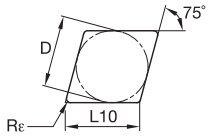




DNGX

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
DNGX120708T02020	10,00	12,21	0,8	–	–	●
DNGX120712T02020	10,00	12,21	1,2	●	–	●
DNGX120716T02020	10,00	12,21	1,6	–	–	●
DNGX150708T02020	12,70	15,50	0,8	–	–	●
DNGX150712T02020	12,70	15,50	1,2	●	–	●
DNGX150716T02020	12,70	15,50	1,6	–	–	●

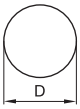




ENGX

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
ENGX130716T02020	12,70	13,15	1,6	–	–	●

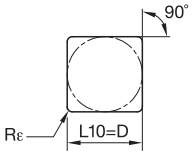




RNGN

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
RNGN120400T02020	12,70	–	–	–	●	●
RNGN120700T02020	12,70	–	–	–	–	●
RNGN190700T02020	19,05	–	–	–	–	●





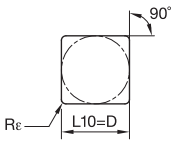
● first choice
○ alternate choice

P				
M				
K	●	●	●	
N				
S				
H				

SNGN

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
SNGN090308T02020	9,53	9,53	0,8	–	–	●
SNGN120408T02020	12,70	12,70	0,8	●	–	●
SNGN120412T02020	12,70	12,70	1,2	●	–	●
SNGN120416T02020	12,70	12,70	1,6	–	–	●
SNGN120432T02020	12,70	12,70	3,2	–	–	●
SNGN120712T02020	12,70	12,70	1,2	●	–	–
SNGN120716T02020	12,70	12,70	1,6	–	–	●
SNGN190416T02020	19,05	19,05	1,6	–	–	●

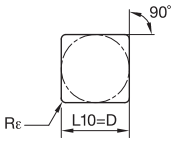




SNGX

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
SNGX120712T02020	12,70	12,70	1,2	●	●	●
SNGX120716T02020	12,70	12,70	1,6	●	●	●
SNGX150716T02020	15,88	15,88	1,6	–	–	●
SNGX150724T02020	15,88	15,88	2,4	–	–	●



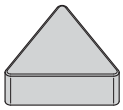


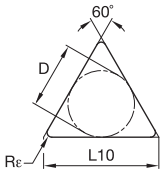
● first choice
○ alternate choice

P				
M				
K	●	●	●	
N				
S				
H				

SNMX

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
SNMX120712T02020	12,70	12,70	1,2	–	–	●
SNMX120716T02020	12,70	12,70	1,6	–	–	●
SNMX150716T02020	15,88	15,88	1,6	–	–	●

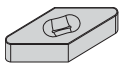


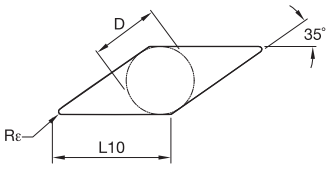


TNGN

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
TNGN160408T02020	9,53	16,50	0,8	–	–	●
TNGN220416T02020	12,70	22,00	1,6	–	–	●

Kendex™ Negative Dimple Inserts





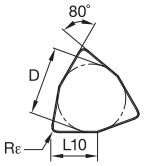
● first choice
○ alternate choice

P				
M				
K	●	●	●	
N				
S				
H				

VNGX

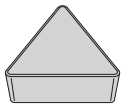
ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
VNGX160712T02020	9,52	16,61	1,2	–	–	●
VNGX160716T02020	9,53	16,61	1,6	–	–	●

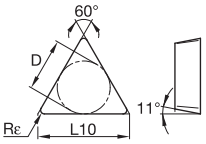




WNGX

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
WNGX080712T02020	12,70	8,69	1,2	–	●	●



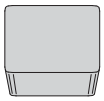


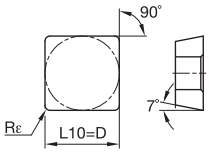
● first choice
○ alternate choice

P				
M				
K	●	●	●	
N				
S				
H				

TPGN

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
TPGN160308T02020	9,53	16,50	0,8	–	–	●
TPGN160312T02020	9,53	16,50	1,2	–	●	●
TPGN220408T02020	12,70	22,00	0,8	–	–	●
TPGN220412T02020	12,70	22,00	1,2	–	–	●



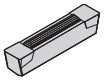


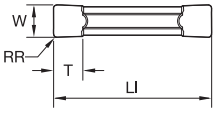
SCGN-FW

ISO catalogue number	D	L10	Rε	KYK25	KYK10	KY3500
SCGN090408EFW	9,53	9,53	0,8	–	–	●

Clamp Selection Chart

order number	catalogue number	clamp	
3960807	CNGX120412S01015	551.718–100° Corner	551.716–80° Corner
3960808	CNGX120412S01015FW	551.718–100° Corner	551.716–80° Corner
3960806	CNGX120416S02020	551.718–100° Corner	551.716–80° Corner
3960811	DNGX150416S02020	551.720	551.720
3960812	SNGX120416S02020	551.718	551.718
3960823	SNGX150416S02020	551.718	551.718
3876843	CNGF120408	551.718–100° Corner	551.716–80° Corner
3960825	TNGX160412EFW	551.733	551.733





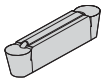
● first choice
○ alternate choice

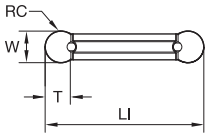
P		
M		
K		●
N		
S		
H		

A4G-P-T

ISO catalogue number	seat size	W	RR	LI	T	KY3500
A4G0300M03P04T01025	3	3,00	0,4	20	3,4	●
A4G125I03P1T0425	3	3,18	0,4	20	3,4	●
A4G0400M04P04T01025	4	4,00	0,4	20	3,4	●
A4G0500M05P08T01025	5	5,00	0,8	25	4,2	●
A4G0600M06P08T01025	6	6,00	0,8	30	4,8	●
A4G250I06P2T0425	6	6,35	0,8	30	4,9	●
A4G0800M08P08T01025	8	8,00	0,8	30	6,4	●

NOTE: For A4 holder, boring bars, and blades, see pages C104–C135.





A4R-P-T

ISO catalogue number	seat size	W	RC	LI	T	KY3500
A4R0300M03P00T01025	3	3,00	1,5	20	2,4	●
A4R0500M05P00T01025	5	5,00	2,5	25	4,1	●
A4R0600M06P00T01025	6	6,00	3,0	30	4,3	●
A4R250I06P00T0425	6	6,35	3,2	30	4,8	●
A4R0800M08P00T01025	8	8,00	4,0	30	6,4	●

NOTE: For A4 holder, boring bars, and blades, see pages C104–C135.

Kennametal on the Web

kennametal.com

FIND THE LATEST PRODUCT INFORMATION

Whether your operation is turning, milling, or holemaking, Kennametal brands are the high-performance tooling you need. We offer standard and custom solutions for a wide range of applications.

Find information about our most current campaigns and catalogues.

Register on Konnect for the full functionality of the Kennametal online ordering website.



CONTACT US

Our customers are important to us. We want to provide you the best customer service in the industry. If you have a comment or question, please send it to us. We strive to respond to all inquiries within 24 hours.

FIND A LOCAL AUTHORISED DISTRIBUTOR IN YOUR AREA

Kennametal offers world-class products and services globally. Our distributors know us, and more importantly, they know you. They know better than anyone in the industry how to put the global power of Kennametal to work for you — in your industry, in your region, and for your business.

Hard Turning

High- and Low-Content PcBN Inserts

The current global metalcutting climate has put increased focus on high productivity and cost reductions coming from cutting tools. These requirements lead to the rapid growth and implementation of cutting tools using superhard materials. As the name implies, these materials have a significant advantage in hardness over conventional tool materials. For the end user this translates into increased productivity (higher cutting speeds, longer tool life, etc.), lower tooling cost per part, and the ability to process materials that were previously not machinable with conventional tooling.

Kennametal is at the forefront of developing and implementing superhard materials in our standard and special tooling solutions across all our product lines. Our approach to superhard tooling starts with customer needs and constraints. We then develop the best superhard solutions for the customer's specific needs.



PcBN is thermally stable up to approximately 1200º C and has high resistance to chemical attack. As a result, extreme temperatures like those that occur when machining hard ferrous metals do not cause difficulties and can be used to promote self-induced hot cutting. This adds technical and productivity benefits, especially when compared with grinding. In most cases, performance is significantly better than that attained with conventional tool materials, such as tungsten carbides and ceramics.

There are limitations for PcBN, however, in the machining of austenitic steels and ferritic cast irons, which can cause increased PcBN edge wear.

PcBN Inserts

KBH10™ Grade

High Volume

- A new patented low PcBN content grade for continuous turning operations.
- Excellent performance in the machining of hardened steels with lower carbide inclusion content.
- Available as tipped and solid PcBN inserts.

KBH20™ Grade

Higher Productivity and Profitability



- Newly developed substrate allows application in a wide variety of demanding applications.
- Nano-composite coating enhances speed capabilities and tool life. Improved edge preparation technology for longer tool life, reliable performance, better surface finish, and tighter workpiece tolerances.
- Large standard portfolio.
- CB1 chipbreaker in positive and negative geometry, solving chipbreaking and chip control issues.

KB5630™ Grade



- Best applied in severe cutting conditions and heavy interruptions.
- Excellent abrasion resistance.
- PVD coating provides a thermal barrier to reduce crater wear and extend tool life.
- Excellent performance in machining of hardened steels and powder metals.
- Available as tipped and full face PcBN inserts.

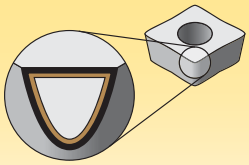
Ceramic Inserts

KY1615 Grade

Low Volume and Higher Process Variations



- Mixed (black) ceramic.
- Excellent wear resistance combined with good toughness properties.
- Excellent performance in the finishing and semi-finishing of hardened steels and iron-based materials.



Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

PcBN — Polycrystalline Cubic Boron Nitride Grades

KBH20

Coating: —

Composition: A low content PcBN grade with a PVD TiN/AlTiN coating for added wear resistance.
Application: KBH20™ is the ideal PcBN hard turning grade for continuous to lightly interrupted cutting applications. The structure, as well as the different edge preparations, enable repeatable workpiece tolerances, excellent surface finishes, and surface integrity. Typical applications are case-hardened steel components such as gears, shafts, and other drive-train components.

	05	10	15	20	25	30	35	40	45
P									
M									
K									
N									
S									
H			■	■	■				

KBH10

Coating: —

Composition: A low content PcBN grade with a patented binder structure.
Application: Designed for the precision machining of hardened steels (>45 HRC). It can be effectively applied on bearing steels, hot and cold work tool steels, high speed steels, die steels, case hardened steels, carburised and nitrided irons, and some hard coatings. Available in a multi-tip format with a wide range of edge preps, insert styles, and wiper geometries.

	05	10	15	20	25	30	35	40	45
P									
M									
K									
N									
S									
H	■	■	■						

KB5630

Coating: —

Composition: A high content PcBN with a PVD AlTiN coating for added wear resistance.
Application: Designed for roughing to finishing of hardened steels (>45 HRC), abrasive workpiece materials such as sintered valve seat materials, powder metallurgy steels, and hard high-alloy cast irons. The PVD coating provides resistance to crater wear and increased resistance to chipping. A wide range of styles are available, including Screw-On geometries that are ideal for boring applications.

	05	10	15	20	25	30	35	40	45
P									
M									
K	■	■	■						
N									
S		■	■						
H					■	■	■		

Ceramic Grades

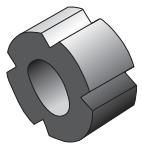
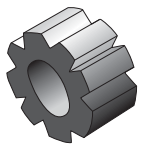
KY1615

Coating: —

Composition: An advanced lumina/TiC black ceramic grade.
Application: Great combination of toughness and wear resistance; used for machining alloy steels, tool steels, and stainless steels to 60 HRC (653 HB). It is also applied in finish turning and boring of cast irons.

	05	10	15	20	25	30	35	40	45
P									
M									
K									
N									
S									
H	■	■							

Tool Testing Information

	Grade	Sharp	Light Cut Edge Metric Inch	Standard Cut Edge Metric Inch	Strong Cut Edge Metric Inch
	KBH10*	E	10 15 04 15	12 25 05 25	custom
	KBH20*	custom	10 15 04 15	12 25 05 25	17 35 07 35
	KB5630***	custom	custom	10 25 04 25	17 35 07 35

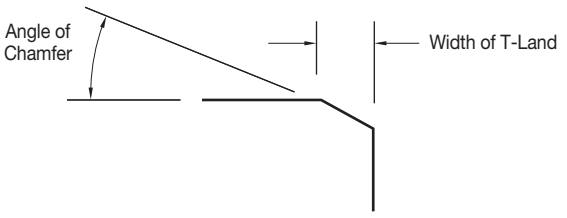
- X Crater Wear
- ✔ Chipping
- ✔ Breakages
- ✔ Stability

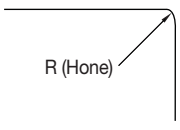
- ✔ Crater Wear
- X Chipping
- ✔ Breakages
- X Stability

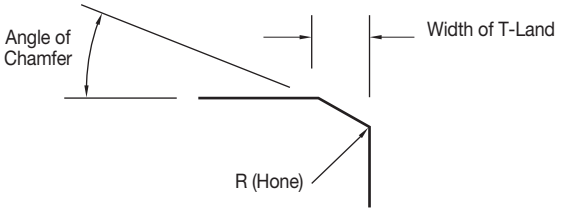
NOTE: KBH20™ Inserts with 1225 (0525 in inch) are the inserts of choice for initial testing.
For fine tuning, stay in the same grade but use either sharper edges in light cuts or heavier edges if need to overcome interruptions and variations.
If KBH20 is failing, change grade to either a more wear–resistant or fracture–resistant grade.
* Lowest toughness
** Medium toughness
*** Highest toughness

E = Hone
T = T-land with angle
S = T-land with angle and hone

Example: S01015 is a 100 µm T-land at 15 degrees with honing.







Step 1 • Select the insert geometry

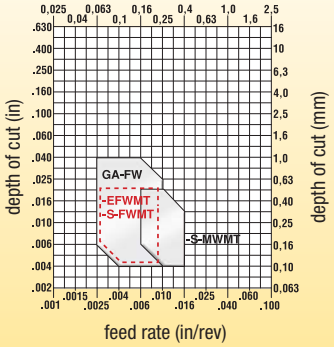
Negative Wiper Inserts



-S..MWMT (multitipped) Medium Wiper

..MS (multitipped) Finishing Wiper

-S..FWMT (multitipped) Finishing Wiper

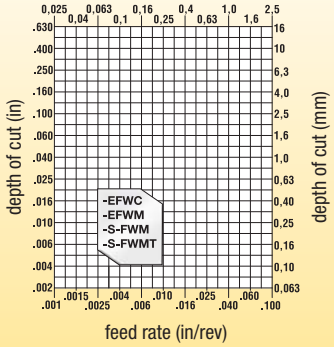


Positive Wiper Inserts



-EFWC (full face) -EFWM (single tipped) Finishing Wiper

-S..FWM (single tipped) -S..FWMT (multitipped) Fine Finishing Wiper

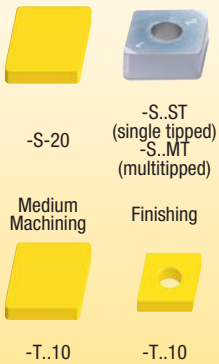


Step 2 • Select the grade

cutting condition	Negative Insert Geometry -S..FWMT	Negative Insert Geometry -EFWMT	Positive Insert Geometry -S..FWMT	Positive Insert Geometry -S..FWM -S..FWMT	Positive Insert Geometry -EFWM -EFWC
heavily interrupted cut	KB5630	KB5630	–	–	–
lightly interrupted cut	KB5630/KBH20	KBH20	KBH20	KBH20	KBH20
varying depth of cut, casting, or forging skin	KBH20	KB1610/KBH10	KBH20	KBH20	KBH20
smooth cut, pre-turned surface	KBH10	KBH10	KBH10	KBH10	KBH10

Step 1 • Select the insert geometry

Negative Wiper Inserts

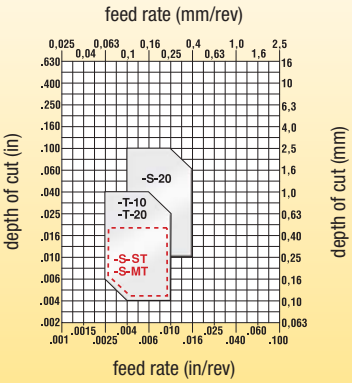


-S-20 Medium Machining

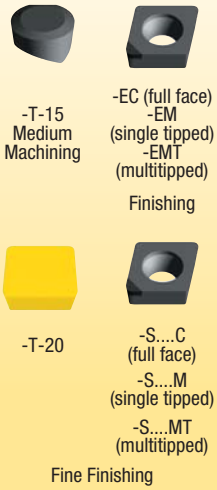
-S..ST (single tipped) -S..MT (multitipped) Finishing

-T..10 -T.20 Fine Finishing

-T..10 -T.20



Positive Wiper Inserts

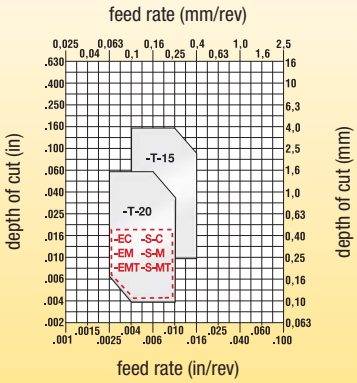


-T-15 Medium Machining

-EC (full face) -EM (single tipped) -EMT (multitipped) Finishing

-T-20

-S....C (full face) -S....M (single tipped) -S....MT (multitipped) Fine Finishing



Step 2 • Select the grade

cutting condition	Negative Insert Geometry -T.10 -T.20	Positive Insert Geometry -T-15
heavily interrupted cut	–	–
lightly interrupted cut	–	KY1615
varying depth of cut, casting, or forging skin	KY1615	KY1615
smooth cut, pre-turned surface	KY1615	KY1615

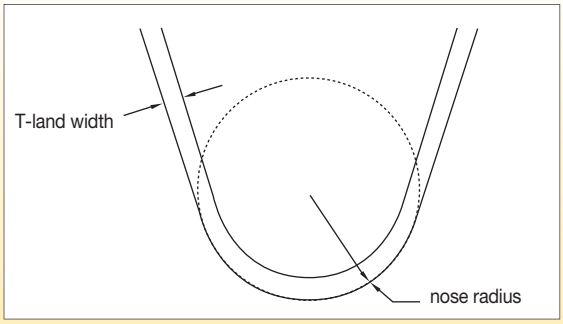
Step 1 • Select the cutting speed

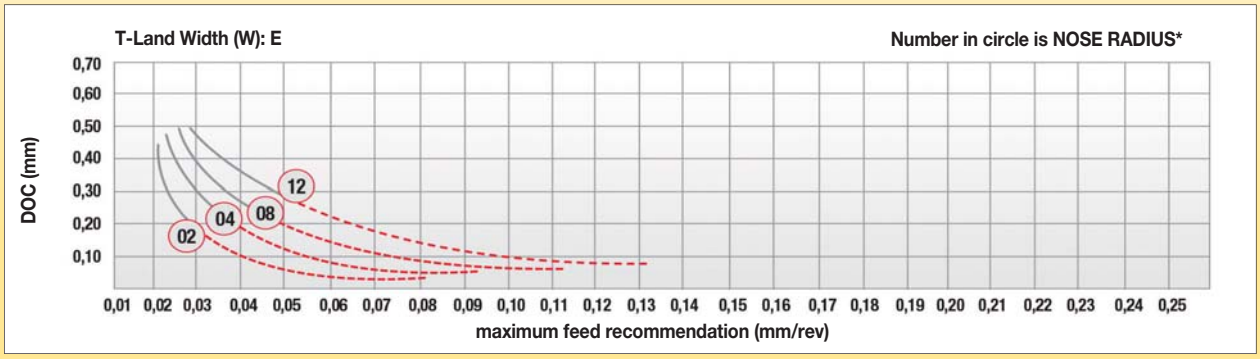
material group	grade	speed — m/min (SFM) 15 (50)	45 (150)	75 (250)	110 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	Starting Conditions m/min	SFM
H1	KBH20					◁▷					155	510
	KBH10					◁▷					150	490
	KB5630				◁▷						105	345
	KY1615				◁▷						100	325

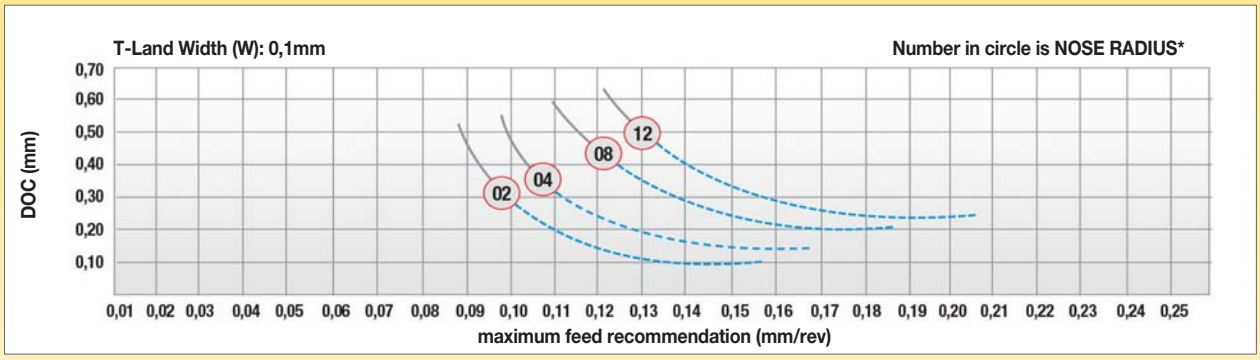
T-Land Width

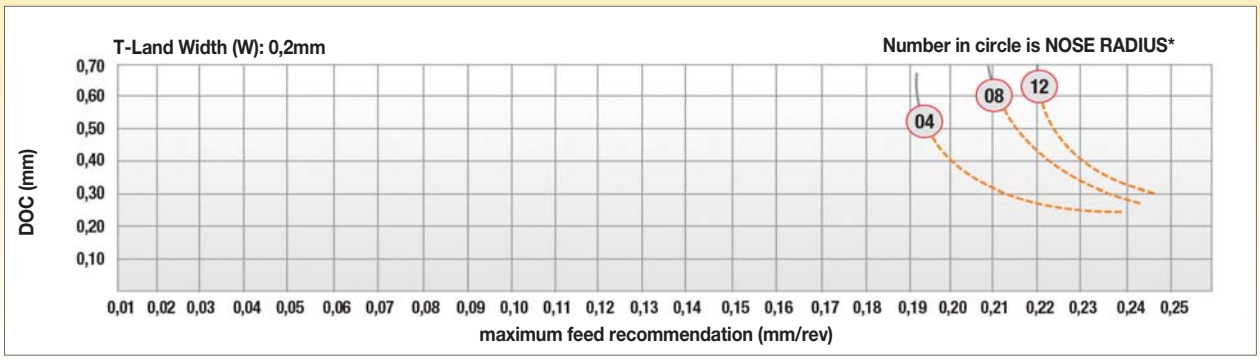
Example 1: If the feed, depth of cut, and the tool nose radius are fixed, use these values to see what T-land width should be used.

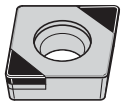
Example 2: If you want to use a specific T-land width or hone only edge, use the chart below to see what maximum feeds and depths of cut are recommended for different nose radii.

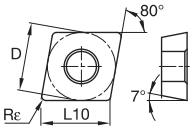












● first choice
○ alternate choice

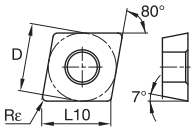
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

CCGM

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CCGM09T304S01325MTCB1	9,53	9,67	0,4	–	●	–	–
CCGM09T308S01325MTCB1	9,53	9,67	0,8	–	●	–	–

NOTE: For toolholders and boring bars, see pages B179–B183.

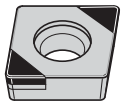


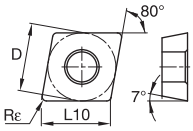


CCGW-C

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CCGW060202S01015C	6,35	6,45	0,2	–	–	●	–
CCGW060204S01015C	6,35	6,45	0,4	–	–	●	–

NOTE: For toolholders and boring bars, see pages B179–B183.

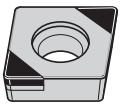


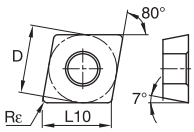


CCGW-FWMT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CCGW09T304S01015FWMT	9,53	9,67	0,4	–	●	–	–
CCGW09T308S01015FWMT	9,53	9,67	0,8	●	●	–	–

NOTE: For toolholders and boring bars, see pages B179–B183.

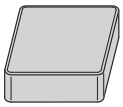


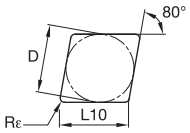


CCGW-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CCGW060202S01015MT	6,35	6,45	0,2	●	–	–	–
CCGW060202S01225MT	6,35	6,45	0,2	–	●	–	–
CCGW060204S01015MT	6,35	6,45	0,4	●	–	–	–
CCGW060204S01225MT	6,35	6,45	0,4	–	●	–	–
CCGW09T302S01015MT	9,53	9,67	0,2	●	–	–	–
CCGW09T302S01225MT	9,53	9,67	0,2	–	●	–	–
CCGW09T304S01015MT	9,53	9,67	0,4	●	●	●	–
CCGW09T304S01225MT	9,53	9,67	0,4	●	●	–	–
CCGW09T308S01015MT	9,53	9,67	0,8	●	●	●	–
CCGW09T308S01225MT	9,53	9,67	0,8	●	●	–	–
CCGW120408S01015MT	12,70	12,90	0,8	–	●	–	–

NOTE: For toolholders and boring bars, see pages B179–B183.



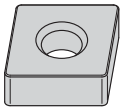


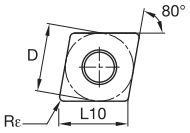
● first choice
○ alternate choice

P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

CNGN

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CNGN120404T02020	12,70	12,90	0,4	–	–	–	●
CNGN120408T02020	12,70	12,90	0,8	–	–	–	●
CNGN120708T02020	12,70	12,90	0,8	–	–	–	●
CNGN120412T02020	12,70	12,90	1,2	–	–	–	●
CNGN120712T02020	12,70	12,90	1,2	–	–	–	●
CNGN120716T02020	12,70	12,90	1,6	–	–	–	●
CNGN160716T02020	15,88	16,12	1,6	–	–	–	●
CNGN160716T05015	15,88	16,12	1,6	–	–	–	●

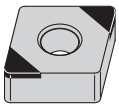


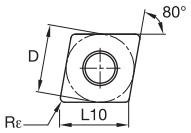


CNGA

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CNGA120404T02020	12,70	12,90	0,4	–	–	–	●
CNGA120408T00520	12,70	12,90	0,8	–	–	–	●
CNGA120408T02020	12,70	12,90	0,8	–	–	–	●
CNGA120412T02020	12,70	12,90	1,2	–	–	–	●
CNGA120416T02020	12,70	12,90	1,6	–	–	–	●
CNGA160612T02020	15,88	16,12	1,2	–	–	–	●
CNGA190612T02020	19,05	19,34	1,2	–	–	–	●
CNGA190616T02020	19,05	19,34	1,6	–	–	–	●

NOTE: For toolholders and boring bars, see pages B58–B73.





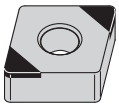
● first choice
○ alternate choice

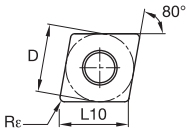
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

CNGA-FWMT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CNGA120404S01015FWMT	12,70	12,90	0,4	●	●	–	–
CNGA120404S01025FWMT	12,70	12,90	0,4	–	–	●	–
CNGA120408S01015FWMT	12,70	12,90	0,8	●	●	–	–
CNGA120408S01025FWMT	12,70	12,90	0,8	–	–	●	–
CNGA120408S01225FWMT	12,70	12,90	0,8	●	–	–	–
CNGA120412S01015FWMT	12,70	12,90	1,2	–	●	–	–
CNGA120412S01225FWMT	12,70	12,90	1,2	●	–	–	–

NOTE: For toolholders and boring bars, see pages B58–B73.

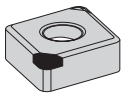


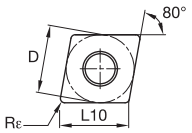


CNGA-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CNGA120404S01015MT	12,70	12,90	0,4	●	●	–	–
CNGA120404S01025MT	12,70	12,90	0,4	–	–	●	–
CNGA120404S01225MT	12,70	12,90	0,4	–	●	–	–
CNGA120404S01735MT	12,70	12,90	0,4	–	●	–	–
CNGA120408S01015MT	12,70	12,90	0,8	●	●	–	–
CNGA120408S01025MT	12,70	12,90	0,8	–	–	●	–
CNGA120408S01225MT	12,70	12,90	0,8	●	●	–	–
CNGA120408S01735MT	12,70	12,90	0,8	●	●	–	–
CNGA120412S01015MT	12,70	12,90	1,2	●	●	–	–
CNGA120412S01020MT	12,70	12,90	1,2	–	–	●	–
CNGA120412S01025MT	12,70	12,90	1,2	–	–	●	–
CNGA120412S01225MT	12,70	12,90	1,2	●	●	–	–
CNGA120412S01735MT	12,70	12,90	1,2	●	●	–	–

NOTE: For toolholders and boring bars, see pages B58–B73.

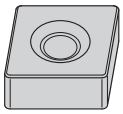


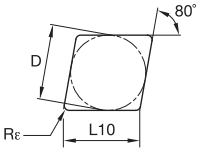


CNGM-CB1

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CNGM120404S01325MTCB1	12,70	12,90	0,4	–	●	–	–
CNGM120408S01325MTCB1	12,70	12,90	0,8	–	●	–	–
CNGM120412S01325MTCB1	12,70	12,90	1,2	–	●	–	–

NOTE: For toolholders and boring bars, see pages B58–B73.





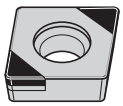
● first choice
○ alternate choice

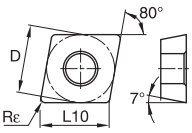
P				●	
M					
K				●	
N					
S				●	
H		●	●	●	●

CNGX

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CNGX120708T02020	12,70	12,90	0,8	–	–	–	●
CNGX120712T02020	12,70	12,90	1,2	–	–	–	●

NOTE: For toolholders and boring bars, see pages B58–B73.

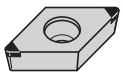


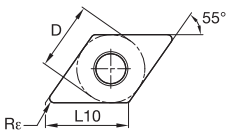


CPGW-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
CPGW09T304S01015MT	9,53	9,67	0,4	–	–	●	–
CPGW09T308S01015MT	9,53	9,67	0,8	–	–	●	–

NOTE: For toolholders and boring bars, see pages B192–B205.

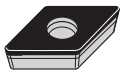


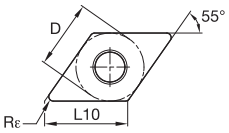


DCGM

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DCGM11T304S01325MTCB1	9,53	11,63	0,4	–	●	–	–

NOTE: For toolholders and boring bars, see pages B209–B213.





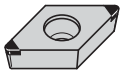
● first choice
○ alternate choice

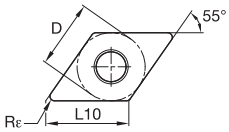
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

DCGW-C

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DCGW070202S01015C	6,35	7,75	0,2	–	–	●	–
DCGW070204S01015C	6,35	7,75	0,4	–	–	●	–

NOTE: For toolholders and boring bars, see pages B209–B213.

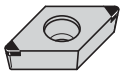


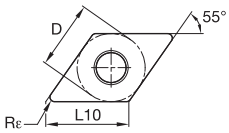


DCGW-FWMT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DCGW11T308S01015FWMT	9,53	11,63	0,4	●	●	–	–
DCGW11T308S01225FWMT	9,53	11,63	0,4	●	–	–	–

NOTE: For toolholders and boring bars, see pages B209–B213.

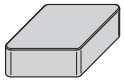


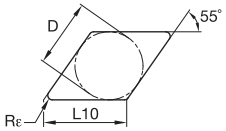


DCGW-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DCGW070202S01225MT	6,35	7,75	0,2	–	●	–	–
DCGW070204S01015MT	6,35	7,75	0,4	–	●	–	–
DCGW070204S01225MT	6,35	7,75	0,4	–	●	–	–
DCGW70202S01015MT	6,35	7,75	0,4	●	–	–	–
DCGW70204S01015MT	6,35	7,75	0,4	●	–	–	–
DCGW70204S01225MT	6,35	7,75	0,4	●	–	–	–
DCGW11T302S01015MT	9,53	11,63	0,2	●	–	–	–
DCGW11T302S01225MT	9,53	11,63	0,2	–	●	–	–
DCGW11T304S01225MT	9,53	11,63	0,4	●	●	–	–
DCGW11T304S01015MT	9,53	11,63	0,4	●	●	●	–
DCGW11T308S01015MT	9,53	11,63	0,8	●	●	●	–
DCGW11T308S01225MT	9,53	11,63	0,8	●	●	–	–

NOTE: For toolholders and boring bars, see pages B209–B213.



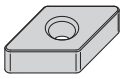


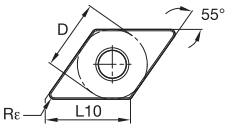
● first choice
○ alternate choice

P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

DNGN/DNG

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DNGN150704T02020	12,70	15,50	0,4	–	–	–	●
DNGN150708T02020	12,70	15,50	0,8	–	–	–	●
DNGN150712T02020	12,70	15,50	1,2	–	–	–	●
DNGN150716T02020	12,70	15,50	1,6	–	–	–	●

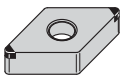


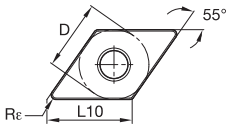


DNGA

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DNGA150404T02020	12,70	15,50	0,4	–	–	–	●
DNGA150604T02020	12,70	15,50	0,4	–	–	–	●
DNGA150408T02020	12,70	15,50	0,8	–	–	–	●
DNGA150608T02020	12,70	15,50	0,8	–	–	–	●
DNGA150412T02020	12,70	15,50	1,2	–	–	–	●
DNGA150612T02020	12,70	15,50	1,2	–	–	–	●
DNGA150416T02020	12,70	15,50	1,6	–	–	–	●

NOTE: For toolholders and boring bars, see pages B85–B93.

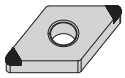


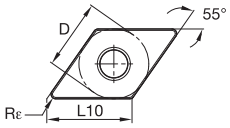


DNGA-FWMT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DNGA150408S01015FWMT	12,70	15,50	0,4	●	●	–	–
DNGA150408S01225FWMT	12,70	15,50	0,4	●	–	–	–
DNGA150412S01015FWMT	12,70	15,50	0,8	–	●	–	–
DNGA150412S01225FWMT	12,70	15,50	0,8	●	–	–	–

NOTE: For toolholders and boring bars, see pages B85–B93.





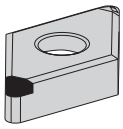
● first choice
○ alternate choice

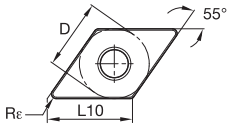
P				●	
M					
K				●	
N					
S				●	
H		●	●	●	●

DNGA-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DNGA150404S01015MT	12,70	15,50	0,4	●	●	–	–
DNGA150404S01025MT	12,70	15,50	0,4	–	–	●	–
DNGA150404S01225MT	12,70	15,50	0,4	–	●	–	–
DNGA150404S01735MT	12,70	15,50	0,4	–	●	–	–
DNGA150604S01015MT	12,70	15,50	0,4	●	●	–	–
DNGA150604S01225MT	12,70	15,50	0,4	–	●	–	–
DNGA150604S01735MT	12,70	15,50	0,4	–	●	–	–
DNGA150408S01735MT	12,70	15,50	0,8	●	●	–	–
DNGA150408S01015MT	12,70	15,50	0,8	●	●	–	–
DNGA150408S01025MT	12,70	15,50	0,8	–	–	●	–
DNGA150408S01225MT	12,70	15,50	0,8	●	●	–	–
DNGA150608S01015MT	12,70	15,50	0,8	●	●	–	–
DNGA150608S01225MT	12,70	15,50	0,8	●	●	–	–
DNGA150608S01735MT	12,70	15,50	0,8	–	●	–	–
DNGA150412S01015MT	12,70	15,50	1,2	●	●	–	–
DNGA150412S01225MT	12,70	15,50	1,2	●	●	–	–
DNGA150412S01735MT	12,70	15,50	1,2	●	●	–	–
DNGA150612S01015MT	12,70	15,50	1,2	●	●	–	–
DNGA150612S01225MT	12,70	15,50	1,2	●	●	–	–
DNGA150612S01735MT	12,70	15,50	1,2	–	●	–	–

NOTE: For toolholders and boring bars, see pages B85–B93.





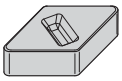
DNGM-CB1

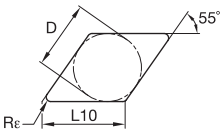
ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DNGM150408S01325MTCB1	12,70	15,50	0,8	–	●	–	–
DNGM150412S01325MTCB1	12,70	15,50	1,2	–	●	–	–
DNGM150608S01325MTCB1	12,70	15,50	0,8	–	●	–	–
DNGM150612S01325MTCB1	12,70	15,50	1,2	–	●	–	–

NOTE: For toolholders and boring bars, see pages B85–B93.

● first choice
○ alternate choice

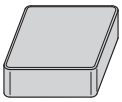
P				●	
M					
K				●	
N					
S				●	
H		●	●	●	●

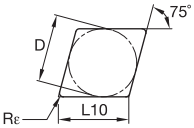




DNGX

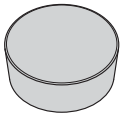
ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
DNGX150708T02020	12,70	15,50	0,8	–	–	–	●

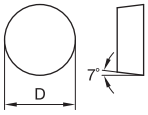




ENGN

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
ENGN130704T02020	12,70	13,15	0,4	–	–	–	●
ENGN130708T02020	12,70	13,15	0,8	–	–	–	●
ENGN130712T02020	12,70	13,15	1,2	–	–	–	●
ENGN130716T02020	12,70	13,15	1,6	–	–	–	●



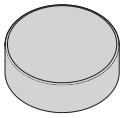
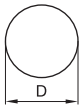


RCGX

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
RCGX090700T01020	9,53	–	–	–	–	–	●
RCGX090700T02020	9,53	–	–	–	–	–	●
RCGX090700T10015	9,53	–	–	–	–	–	●
RCGX090700T20015	9,53	–	–	–	–	–	●
RCGX120700T02020	12,70	–	–	–	–	–	●
RCGX120700T10015	12,70	–	–	–	–	–	●
RCGX120700T20015	12,70	–	–	–	–	–	●
RCGX151000T20015	15,88	–	–	–	–	–	●
RCGX191000T20015	19,05	–	–	–	–	–	●
RCGX251200T20015	25,40	–	–	–	–	–	●

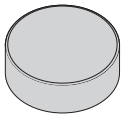
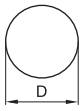
● first choice
○ alternate choice

P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

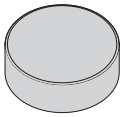
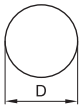
RCGW-T

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
RCGW1204M0T01020	12,00	–	–	–	–	–	●

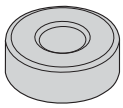
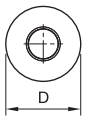
RCGX

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
RCGX0907-001	9,53	–	–	–	–	–	●

RNGN

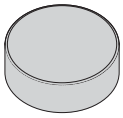
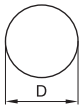
ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
RNGN090300T02020	9,53	–	–	–	–	–	●
RNGN090400T02020	9,53	–	–	–	–	–	●
RNGN120300T02020	12,70	–	–	–	–	–	●
RNGN120400T02020	12,70	–	–	–	–	–	●
RNGN120700T02020	12,70	–	–	–	–	–	●
RNGN120700T10015	12,70	–	–	–	–	–	●
RNGN120700T20015	12,70	–	–	–	–	–	●
RNGN190700T02020	19,05	–	–	–	–	–	●

RNGA

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
RNGA090300T02020	9,53	–	–	–	–	–	●
RNGA120400T02020	12,70	–	–	–	–	–	●

NOTE: For toolholders and boring bars, see page B95.

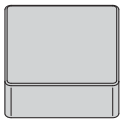
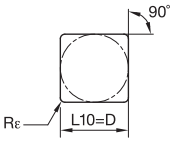



● first choice
○ alternate choice

P				●	
M					
K				●	
N					
S				●	
H		●	●	●	●

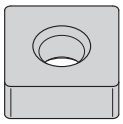
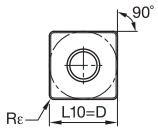
RNGN-C

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
RNGN090300S02015C	9,53	—	—	–	–	●	–

SNGN

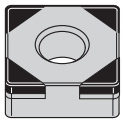
ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
SNGN090308T02020	9,53	9,53	0,8	–	–	–	●
SNGN120704T02020	12,70	12,70	0,4	–	–	–	●
SNGN120408T00520	12,70	12,70	0,8	–	–	–	●
SNGN120408T02020	12,70	12,70	0,8	–	–	–	●
SNGN120708T02020	12,70	12,70	0,8	–	–	–	●
SNGN120412T02020	12,70	12,70	1,2	–	–	–	●
SNGN120712T02020	12,70	12,70	1,2	–	–	–	●
SNGN120416T02020	12,70	12,70	1,6	–	–	–	●
SNGN120716T02020	12,70	12,70	1,6	–	–	–	●
SNGN120720T02020	12,70	12,70	2,0	–	–	–	●
SNGN120720T10015	12,70	12,70	2,0	–	–	–	●
SNGN120720T20015	12,70	12,70	2,0	–	–	–	●
SNGN150716T02020	15,88	15,88	1,6	–	–	–	●

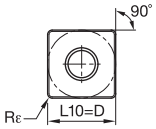



SNGA

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
SNGA120408T02020	12,70	12,70	0,8	–	–	–	●
SNGA120412T02020	12,70	12,70	1,2	–	–	–	●

NOTE: For toolholders and boring bars, see pages B105–B121.





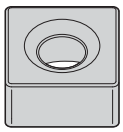
● first choice
○ alternate choice

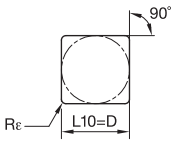
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

SNGA-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
SNGA120408S01015MT	12,70	12,70	0,8	●	–	–	–
SNGA120408S01225MT	12,70	12,70	0,8	●	●	–	–
SNGA120412S01225MT	12,70	12,70	1,2	●	●	–	–

NOTE: For toolholders and boring bars, see pages B105–B121.

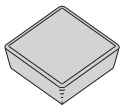


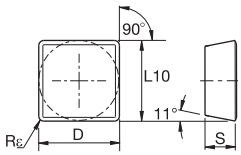


SNGX

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
SNGX120712T02020	12,70	12,70	1,2	–	–	–	●

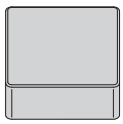
NOTE: For toolholders and boring bars, see pages B105–B121.

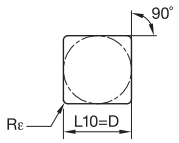




SPG-T

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
SPGN090308T01020	9,53	9,53	0,8	–	–	–	●
SPGN120308T01020	12,70	12,70	0,8	–	–	–	●

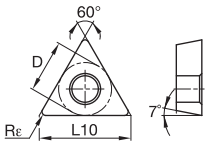




SPU-T

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
SPUN120308T00520	12,70	12,70	0,8	–	–	–	●





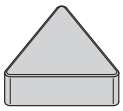
● first choice
○ alternate choice

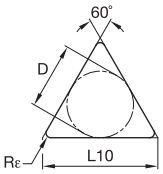
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

TCGW-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TCGW090202S01015MT	5,56	9,62	0,2	–	●	–	–
TCGW090204S01015 MT	5,56	9,62	0,4	–	●	–	–
TCGW110202S01015MT	6,35	11,00	0,2	●	●	–	–
TCGW110204S01015MT	6,35	11,00	0,4	●	●	–	–
TCGW110204S01225MT	6,35	11,00	0,4	●	–	–	–
TCGW110208S01015MT	6,35	11,00	0,8	●	●	–	–
TCGW110208S01225MT	6,35	11,00	0,8	●	–	–	–

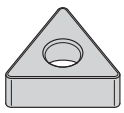
NOTE: For toolholders and boring bars, see pages B247–B248.

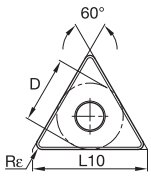




TNGN

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TNGN110308T02020	6,35	11,00	0,8	–	–	–	●
TNGN160404T02020	9,53	16,50	0,4	–	–	–	●
TNGN160408T02020	9,53	16,50	0,8	–	–	–	●
TNGN160708T02020	9,53	16,50	0,8	–	–	–	●
TNGN160412T02020	9,53	16,50	1,2	–	–	–	●
TNGN160712T02020	9,53	16,50	1,2	–	–	–	●
TNGN160416T02020	9,53	16,50	1,6	–	–	–	●
TNGN220408T02020	12,70	22,00	0,8	–	–	–	●

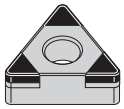


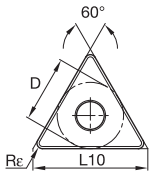


TNGA

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TNGA160408T02020	9,53	16,50	0,8	–	–	–	●
TNGA160412T02020	9,53	16,50	1,2	–	–	–	●
TNGA220408T02020	12,70	22,00	0,8	–	–	–	●
TNGA220412T02020	12,70	22,00	1,2	–	–	–	●

NOTE: For toolholders and boring bars, see pages B132–B142.





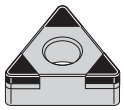
● first choice
○ alternate choice

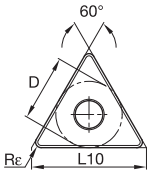
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

TNGA-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TNGA160404S01015MT	9,53	16,50	0,4	●	●	–	–
TNGA160404S01225MT	9,53	16,50	0,4	–	●	–	–
TNGA160404S01735MT	9,53	16,50	0,4	–	●	–	–
TNGA160408S01015MT	9,53	16,50	0,8	●	●	–	–
TNGA160408S01225MT	9,53	16,50	0,8	●	●	–	–
TNGA160408S01735MT	9,53	16,50	0,8	●	●	–	–
TNGA160412S01015MT	9,53	16,50	1,2	●	●	–	–
TNGA160412S01225MT	9,53	16,50	1,2	●	●	–	–
TNGA160412S01735MT	9,53	16,50	1,2	●	●	–	–

NOTE: For toolholders and boring bars, see pages B132–B142.

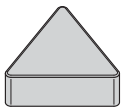


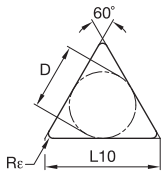


TNGM • Medium Machining

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TNGM160408S01325MTCB1	9,53	16,50	0,8	–	●	–	–

NOTE: For toolholders and boring bars, see pages B132–B142.

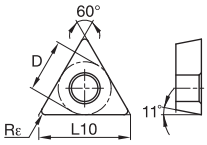




TPGN

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TPGN110304T01020	6,35	11,00	0,4	–	–	–	●
TPGN110308T01020	6,35	11,00	0,8	–	–	–	●
TPGN110312T01020	6,35	11,00	1,2	–	–	–	●
TPGN160304T00520	9,53	16,50	0,4	–	–	–	●
TPGN160304T01020	9,53	16,50	0,4	–	–	–	●
TPGN160308T00520	9,53	16,50	0,8	–	–	–	●
TPGN160308T01020	9,53	16,50	0,8	–	–	–	●
TPGN160312T01020	9,53	16,50	1,2	–	–	–	●





● first choice
○ alternate choice

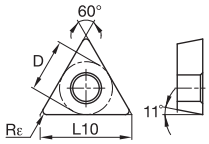
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

TPGW-C

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TPGW110208S01015C	6,35	11,00	0,8	–	–	●	–

NOTE: For toolholders and boring bars, see pages B257–B263.

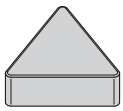


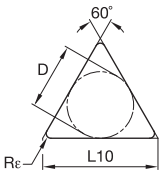


TPGW-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TPGW110308S01225MT	6,35	10,96	0,8	●	–	–	–
TPGW110202S01015MT	6,35	11,00	0,2	–	●	–	–
TPGW110304S01015MT	6,35	11,00	0,4	●	–	–	–
TPGW110304S01225MT	6,35	11,00	0,4	●	–	–	–
TPGW110204S01015MT	6,35	11,00	0,4	–	●	–	–
TPGW110208S01015MT	6,35	11,00	0,8	–	●	–	–
TPGW160404S01015MT	9,53	16,50	0,4	●	–	–	–
TPGW160404S01225MT	9,53	16,50	0,4	●	–	–	–
TPGW16T304S01015MT	9,53	16,50	0,4	–	●	–	–
TPGW160408S01015MT	9,53	16,50	0,8	●	–	–	–
TPGW160408S01225MT	9,53	16,50	0,8	●	–	–	–
TPGW16T308S01015MT	9,53	16,50	0,8	–	●	–	–
TPGW16T308S01225MT	9,53	16,50	0,8	–	●	–	–

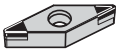
NOTE: For toolholders and boring bars, see pages B257–B263.

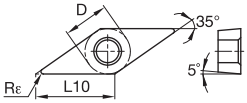




TPU-T

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
TPUN110304T00520	6,35	11,00	0,4	–	–	–	●
TPUN110308T00520	6,35	11,00	0,8	–	–	–	●
TPUN160304T00520	9,53	16,50	0,4	–	–	–	●
TPUN160308T00520	9,53	16,50	0,8	–	–	–	●
TPUN160312T00520	9,53	16,50	1,2	–	–	–	●





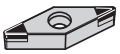
● first choice
○ alternate choice

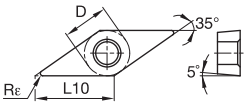
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

VBGW-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
VBGW110304S01015MT	6,35	11,07	0,4	●	●	–	–
VBGW110304S01225MT	6,35	11,07	0,4	–	●	–	–
VBGW110308S01015MT	6,35	11,07	0,8	●	–	–	–
VBGW110308S01225MT	6,35	11,07	0,8	–	●	–	–
VBGW160404S01015MT	9,53	16,61	0,4	●	–	●	–
VBGW160408S01015MT	9,53	16,61	0,8	●	●	●	–
VBGW160412S01015MT	9,53	16,61	1,2	–	●	–	–

NOTE: For toolholders and boring bars, see pages B266–B269.

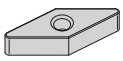


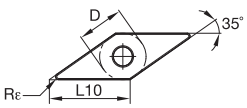


VCGW • Light Machining

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
VCGW160404S01015MT	9,53	16,61	0,4	–	●	–	–
VCGW160404S01225MT	9,53	16,61	0,4	–	●	–	–
VCGW160408S01015MT	9,53	16,61	0,8	–	●	–	–
VCGW160408S01225MT	9,53	16,61	0,8	–	●	–	–

NOTE: For toolholders and boring bars, see pages B266–B269.

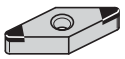


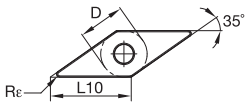


VNGA

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
VNGA160404T02020	9,53	16,61	0,4	–	–	–	●
VNGA160408T02020	9,53	16,61	0,8	–	–	–	●
VNGA160412T02020	9,53	16,61	1,2	–	–	–	●
VNGA220408T02020	12,70	22,14	0,8	–	–	–	●

NOTE: For toolholders and boring bars, see pages B149–B153.





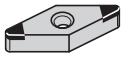
● first choice
○ alternate choice

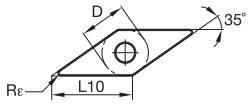
P				●
M				
K				●
N				
S				●
H	●	●	●	●

VNGA-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
VNGA160404S01015MT	9,53	16,61	0,4	●	●	–	–
VNGA160404S01025MT	9,53	16,61	0,4	–	–	●	–
VNGA160404S01225MT	9,53	16,61	0,4	●	●	–	–
VNGA160404S01735MT	9,53	16,61	0,4	–	●	–	–
VNGA160408S01015MT	9,53	16,61	0,8	●	●	–	–
VNGA160408S01025MT	9,53	16,61	0,8	–	–	●	–
VNGA160408S01225MT	9,53	16,61	0,8	●	●	–	–
VNGA160408S01735MT	9,53	16,61	0,8	–	●	–	–
VNGA160412S01225MT	9,53	16,61	1,2	–	●	–	–

NOTE: For toolholders and boring bars, see pages B149–B153.

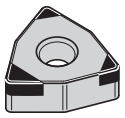


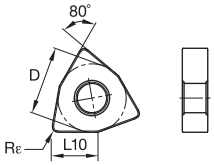


VNGM

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
VNGM160408S01325MTCB1	9,53	16,61	0,8	–	●	–	–
VNGM160412S01325MTCB1	9,53	16,61	1,2	–	●	–	–

NOTE: For toolholders and boring bars, see pages B149–B153.

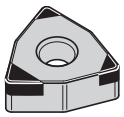


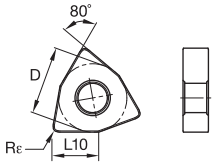


WNGA

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
WNGA080408S01015FWMT	12,70	8,69	0,8	–	●	–	–

NOTE: For toolholders and boring bars, see pages B161–B165.





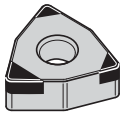
● first choice
○ alternate choice

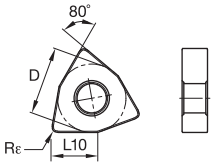
P			●	
M				
K			●	
N				
S			●	
H	●	●	●	●

WNGA-FWMT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
WNGA080408S01015FWHBMT	12,70	8,69	0,8	–	●	–	–

NOTE: For toolholders and boring bars, see pages B161–B165.





WNGA-MT

ISO catalogue number	D	L10	Rε	KBH10	KBH20	KB5630	KY1615
WNGA080404S01015MT	12,70	8,69	0,4	–	●	–	–
WNGA080408S01015MT	12,70	8,69	0,8	–	●	–	–
WNGA080408S01225MT	12,70	8,69	0,8	–	●	–	–
WNGA080408S01735MT	12,70	8,69	0,8	–	●	–	–
WNGA80408S01015MT	12,70	8,69	0,8	●	–	–	–
WNGA80408S01225MT	12,70	8,69	0,8	●	–	–	–

NOTE: For toolholders and boring bars, see pages B161–B165.

A4™ Tooling and Beyond™ Inserts



Choose A4 tooling for turning, facing, grooving, face grooving, and cut-off applications across a broad range of workpiece materials. The unique clamping system and versatile insert geometry delivers a very high metal removal rate.

FEATURES AND BENEFITS

A4 Grooving and Turning System

- One tool for turning, facing, grooving, face-grooving, and cut-off in O.D. and I.D. applications means exceptionally fast cycle times, no turret indexes!
- Extra-long clamping area, ground 120° bottom prism seating surface, and an exclusive top guide rail combine to deliver unsurpassed grooving and side-turning stability!
- Precise insert positioning is ensured for accurate cuts!
- Rigid clamping securely locks insert in place through the toughest cuts.
- Versatile design enables one system to handle O.D. and I.D. grooving, face grooving, back turning, undercutting, and even threading operations.
- Chip control inserts provide excellent chip evacuation in grooving, and offer better chip control in multidirectional turning.

Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com.**

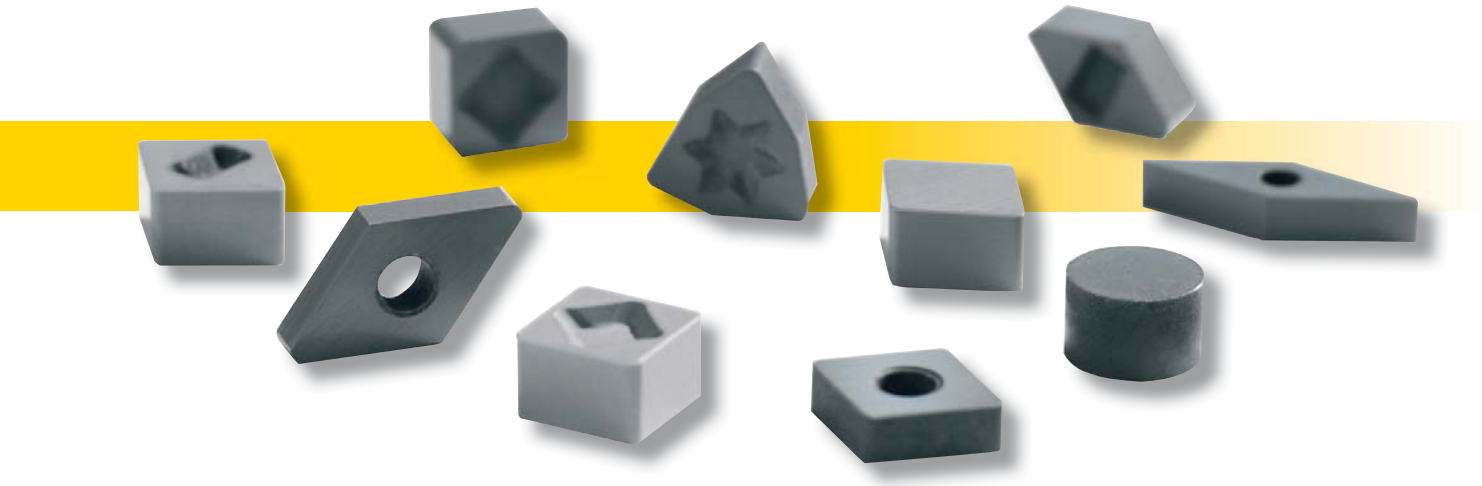
KENNAMETAL®

kennametal.com

Machining High-Temp Alloys with **Ceramics** and **PcBN**

Kennametal advanced materials, utilising Beyond™ technology, offer greater wear resistance and toughness, depending on the job.

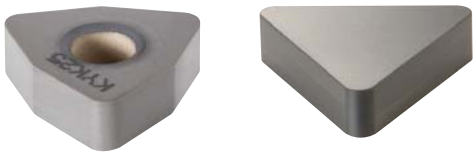
KYS ceramic inserts are the first choice for high-speed applications in high-temp alloys. The multilayer coating offers enhanced chemical wear resistance versus uncoated grades. A superior SiAlON ceramic substrate provides excellent depth of cut notching resistance versus whisker-reinforced ceramics.



Ceramic Inserts

KYS25™ Grade

- Excellent surface finish, lower cutting forces, and higher speeds.
- Advanced CVD coating provides excellent chemical and depth-of-cut notch resistance.



KYS30™ Grade

- Long, consistent tool life.
- Excellent toughness and depth-of-cut notch resistance.
- Performs in a wide variety of machining conditions, including interrupted cuts and applications involving scale.

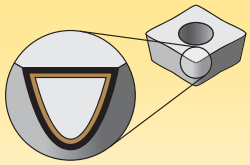


Tipped PcBN Inserts

KB1630 Grade

- Long, consistent tool life.
- Excellent toughness and depth-of-cut notch resistance.
- Performs in a wide variety of machining conditions, including interrupted cuts and applications involving scale.





Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

	Coating	Grade Description		05	10	15	20	25	30	35	40	45
Ceramic Grades	KYS25	**Composition:** SiAlON ceramic with a multilayered alumina-TiCN CVD coating. **Application:** Complements the KYS30™ grade when machining high-temp and nickel-based alloys and cast materials with high Brinell hardness. This advanced CVD coating provides excellent chemical and depth-of-cut notch resistance compared to whisker ceramics.	S			■	■	■				
			H						■	■		
	KYS30	**Composition:** Latest and most advanced SiAlON material developed. **Application:** Combines excellent wear properties, fracture toughness, and thermal shock resistance for general-purpose to finish machining of high-temp alloys. Provides superior depth-of-cut notch resistance compared to whisker ceramics.	S				■	■	■			
PcBN – Polycrystalline Cubic Boron Nitride Grades	KB1630	**Composition:** An uncoated high content PcBN grade. PcBN tips are brazed onto a carbide insert. **Application:** Designed for roughing to finishing in interrupted cuts on hardened steels (>45 HRC). It can also be applied on grey cast iron, chilled irons, high chrome alloyed steels, high temp alloys and sintered powder metals. The tipped PcBN inserts are available in a wide range of insert styles, including Top Notch™ and Screw-On geometries.	K	■	■	■						
			S		■	■						
			H					■	■	■		

NOVO KNOWS SEARCH

Searching for a tool has been enhanced by Advise and Select functions from NOVO™ applications — saving you time and money.

ADVISE

Uses a rules-based approach to provide cutting tool recommendations:

- Define Machining Feature (face milling, slotting, blind hole, etc.)
- Apply Constraint Requirements (geometric, material, tolerance, etc.)
- Set Machining Sequence (single or multi-step operations, rough then finish, etc.)
- Receive Ranked Results

SELECT

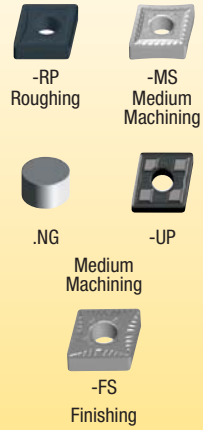
A method of selecting cutting tools from a tree structure via a hierarchy or parametric search:

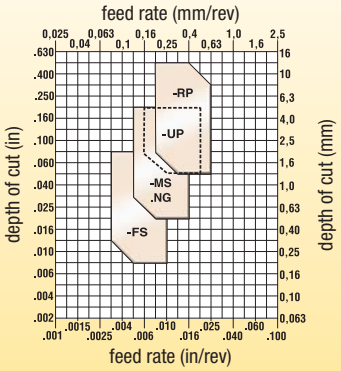
- If you know which product you are looking for, a quick search can be performed by just the catalogue number or product description.
- Smart filters significantly reduce the amount of potential tooling solutions.
- After the tool is selected, NOVO also provides cutting and adaptive item options that fit with your solution.

NOVO applications can ensure you have the right tools on your machines, in the right sequence. Resulting in flawless execution that accelerates every job, and maximises every shift. **kennametal.com/novo**

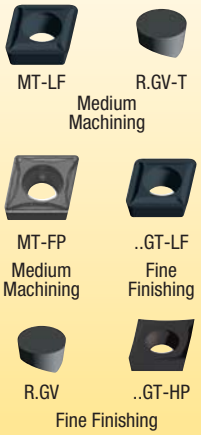
Step 1 • Select the insert geometry

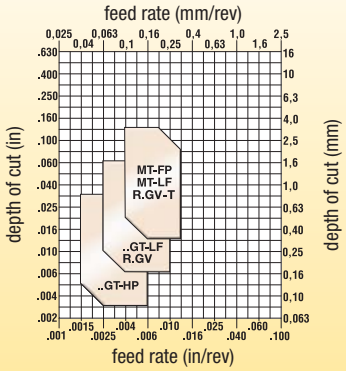
Negative Inserts





Positive Inserts





Step 2 • Select the grade

cutting condition	Negative Insert Geometry .NG
heavily interrupted cut	–
lightly interrupted cut	KYS30/KY1540
varying depth of cut, casting, or forging skin	KYS30/KY1540/KYS25/KY4300
smooth cut, pre-turned surface	KYS25/KY4300

cutting condition	Positive Insert Geometry R.GV-T
heavily interrupted cut	–
lightly interrupted cut	KYS30/KY1540
varying depth of cut, casting, or forging skin	KYS30/KY1540/KYS25/KY4300
smooth cut, pre-turned surface	KYS25/KY4300

Step 3 • Select the cutting speed

Iron-Based, Heat-Resistant Alloys (135–320 HB) (≤34 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

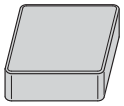
material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S1	KB1630									◁▷					260	850
	KYS25/KY4300								◁▷						200	650
	KYS30/KY1540							◁▷							170	550

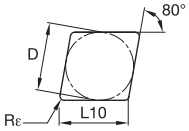
Cobalt-Based, Heat-Resistant Alloys (150–425 HB) (≤45 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S2	KB1630									◁▷					260	850
	KYS25/KY4300								◁▷						220	720
	KYS30/KY1540							◁▷							185	600

Nickel-Based, Heat-Resistant Alloys (140–475 HB) (≤48 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	15 (50)	45 (150)	75 (250)	105 (350)	140 (450)	170 (550)	200 (650)	230 (750)	260 (850)	290 (950)	310 (1050)	350 (1150)	380 (1250)	m/min	SFM
S3	KB1630									◁▷					260	850
	KYS25/KY4300									◁▷					250	820
	KYS30/KY1540							◁▷							215	700



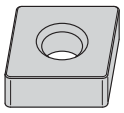


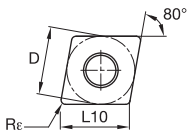
● first choice
○ alternate choice

P			
M			
K			
N			
S	●	●	○
H	○		●

CNGN

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
CNGN120416T01020	12,70	12,90	1,6	●	–	–
CNGN120712T01020	12,70	12,90	1,2	●	●	–
CNGN120716T01020	12,70	12,90	1,6	–	●	–

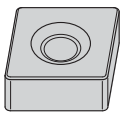


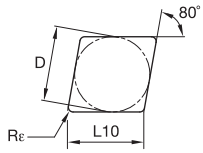


CNGA

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
CNGA120408E	12,70	12,90	0,8	●	●	–
CNGA120408T01020	12,70	12,90	0,8	●	●	–
CNGA120412T01020	12,70	12,90	1,2	●	●	–

NOTE: For toolholders and boring bars, see pages B58–B73.

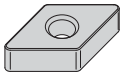


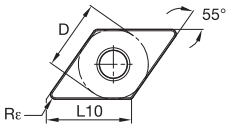


CNGX

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
CNGX120708T01020	12,70	12,90	0,8	●	●	–
CNGX120712T01020	12,70	12,90	1,2	●	●	–
CNGX120716E	12,70	12,90	1,6	–	●	–

NOTE: For toolholders and boring bars, see pages B58–B73.





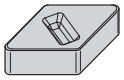
● first choice
○ alternate choice

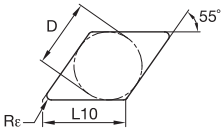
P			
M			
K			
N			
S	●	●	○
H	○		●

DNGA

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
DNGA150408T01020	12,70	15,50	0,8	–	●	–
DNGA150412T01020	12,70	15,50	1,2	–	●	–

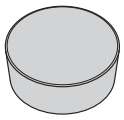
NOTE: For toolholders and boring bars, see pages B85–B93.

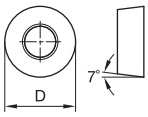




DNGX

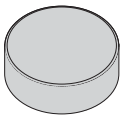
ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
DNGX150708T01020	12,70	15,50	0,8	●	–	–
DNGX150712T01020	12,70	15,50	1,2	●	●	–
DNGX150716T01020	12,70	15,50	1,6	–	●	–

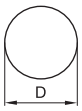




RCGX

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
RCGX060400E	6,35	–	–	●	●	–
RCGX090700E	9,53	–	–	●	●	–
RCGX090700T00525	9,53	–	–	–	●	–
RCGX090700T01020	9,53	–	–	●	●	–
RCGX120700E	12,70	–	–	●	●	–
RCGX120700T01020	12,70	–	–	●	●	–
RCGX120700T01025	12,70	–	–	●	●	–



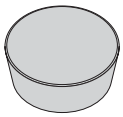


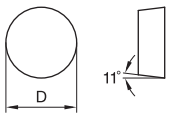
● first choice
○ alternate choice

P			
M			
K			
N			
S	●	●	○
H	○		●

RNGN

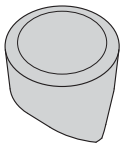
ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
RNGN120400T01020	12,70	–	–	–	●	–
RNGN120700T00525	12,70	–	–	–	●	–
RNGN120700T01020	12,70	–	–	–	●	–
RNGN120700T01025	12,70	–	–	●	●	–
RNGN190700T01020	19,05	–	–	–	●	–

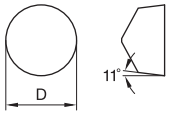




RPGN

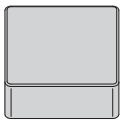
ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
RPGN060200E	6,35	–	–	–	●	–
RPGN090300E	9,53	–	–	–	●	–
RPGN090300T01020	9,53	–	–	–	●	–
RPGN120400E	12,70	–	–	–	●	–
RPGN120400T01020	12,70	–	–	–	●	–

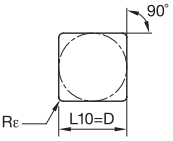




RPGX

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
RPGX090700E	9,53	–	–	●	●	–
RPGX090700T01020	9,53	–	–	–	●	–
RPGX120700E	12,70	–	–	●	●	–
RPGX120700T01020	12,70	–	–	–	●	–



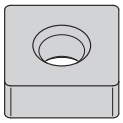


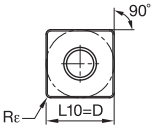
● first choice
○ alternate choice

P			
M			
K			
N			
S	●	●	○
H	○		●

SNGN

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
SNGN120408T01020	12,70	12,70	0,8	–	●	–
SNGN120412T01020	12,70	12,70	1,2	–	●	–
SNGN120416T01020	12,70	12,70	1,6	●	●	–
SNGN120716T01020	12,70	12,70	1,6	–	●	–
SNGN190616E	19,05	19,05	1,6	●	–	–
SNGN190616T01020	19,05	19,05	1,6	–	●	–
SNGN190724E	19,05	19,05	2,4	–	●	–

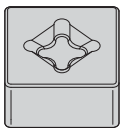


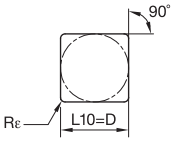


SNGA

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
SNGA120412T01020	12,70	12,70	1,2	●	●	–

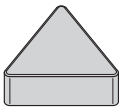
NOTE: For toolholders and boring bars, see pages B105–B121.

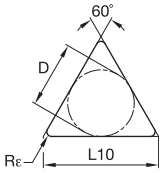




SNGX

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
SNGX120712T01020	12,70	12,70	1,2	–	●	–
SNGX120716T01020	12,70	12,70	1,6	–	●	–



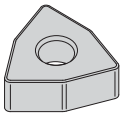


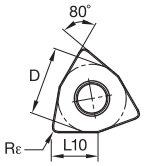
● first choice
○ alternate choice

P			
M			
K			
N			
S	●	●	○
H	○		●

TNGN

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
TNGN220412T01020	12,70	22,00	1,2	●	–	–
TNGN220416T01020	12,70	22,00	1,6	●	–	–

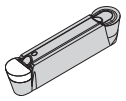


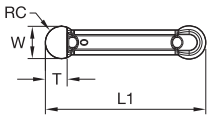


WNGA

ISO catalogue number	D	L10	Rε	KYS25	KYS30	KB1630
WNGA080408T01020	12,70	8,69	0,8	–	●	–
WNGA080416T01020	12,70	8,69	1,6	–	●	–

NOTE: For toolholders and boring bars, see pages B161–B165.





● first choice
○ alternate choice

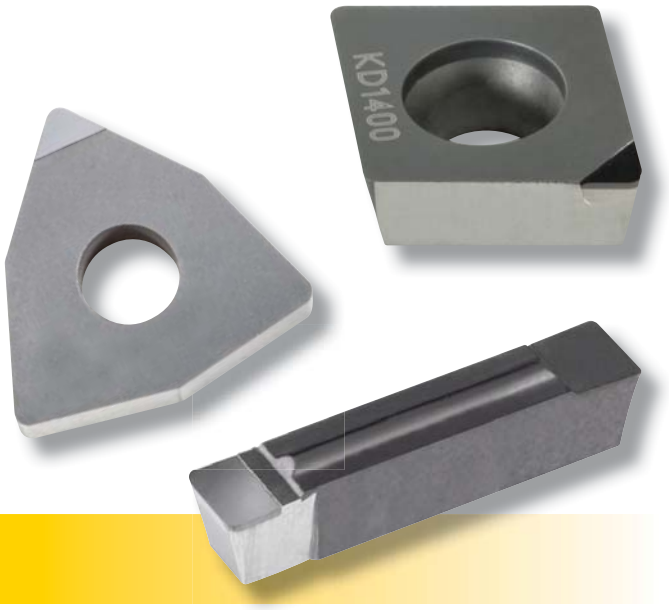
		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

Flat Top Full Radius Precision Ground • PcBN

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0300M03P00EST	3	3,00	1,5	20	2,2	–	–	–	–	–	–	–	–	–	–	●	–	–
A4R0400M04P00EST	4	4,00	2,0	20	2,9	–	–	–	–	–	–	–	–	–	–	●	–	–
A4R0500M05P00EST	5	5,00	2,5	25	3,7	–	–	–	–	–	–	–	–	–	–	●	–	–
A4R0600M06P00EST	6	6,00	3,0	30	4,4	–	–	–	–	–	–	–	–	–	–	●	–	–

NOTE: For A4 holder, boring bars, and blades, see pages C104–C135.

Polycrystalline Diamond Inserts



Polycrystalline Diamond (PCD) Inserts

- Use for machining high-temperature alloys and in targeted machining of non-ferrous materials.
- Significant hardness advantage compared to carbide inserts.
- Increased productivity through higher speeds and longer tool life.
- Best used in processing materials that cannot be machined with conventional tooling.

KD1400™ Grade

- Ideal for general-purpose turning of non-ferrous materials.
- Use on low to medium silicon-content aluminium alloys, non-metallics, copper, and brass- and zinc-based alloys.
- Excellent mechanical shock resistance.
- Use in a wide range of continuous to interrupted cuts where superior surface finished is needed.



KD1405™ Grade

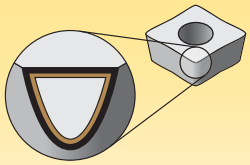
- The most abrasion-resistant tool material for non-ferrous and non-metallic materials from Kennametal.
- Use when abrasion resistance is needed in the application.
- CVD diamond grade.



KD1425™ Grade

- Engineered for extreme abrasion resistance.
- Good edge strength in demanding applications.
- Ideal choice for high-silicon aluminium alloys, bi-metallic materials, carbon-fibre reinforced plastics, and other abrasive non-metallic materials.



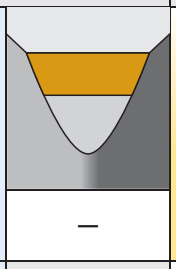
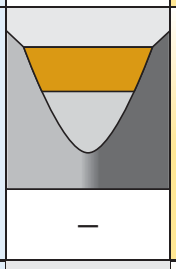
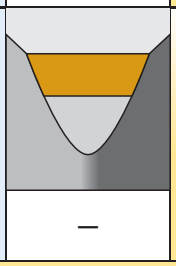


Coatings provide high-speed capability and are engineered for finishing to light roughing.

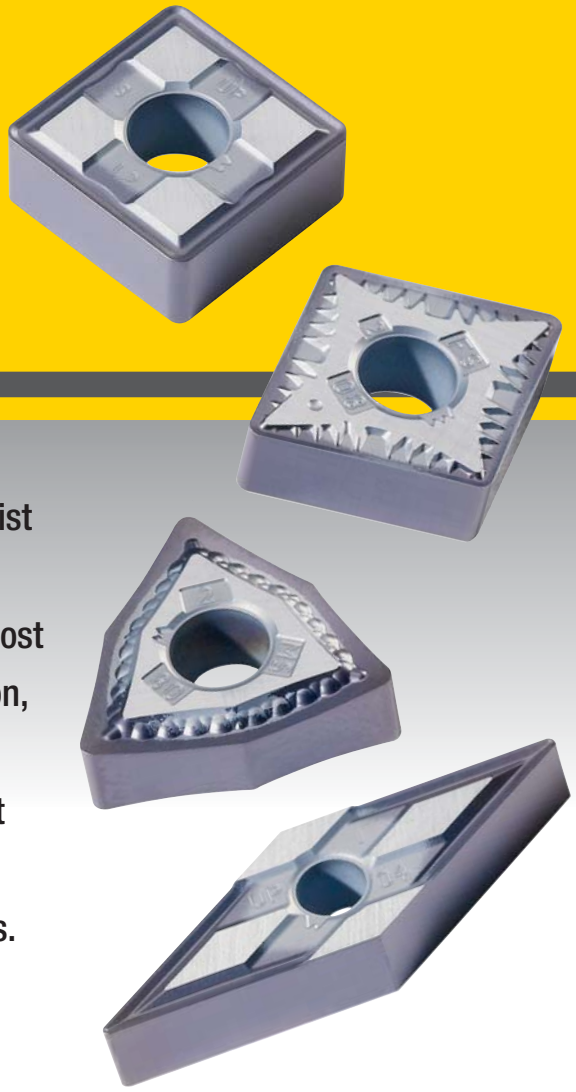
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

PCD — Polycrystalline Diamond Grades

Coating	Grade Description		05	10	15	20	25	30	35	40	45
KD1400 	**Composition:** An ultra-fine-grain, polycrystalline diamond (PCD) tip brazed onto a carbide substrate. **Application:** Designed for general-purpose turning of primarily non-ferrous materials. It can be applied over a wide range of continuous to interrupted cuts where superior surface finish is needed. Use on low to medium silicon-content aluminium alloys, non-metallics, copper, and brass- and zincbased alloys. The ultra-fine-grain diamond particle size enables superior surface finishes while ensuring the best mechanical shock resistance of any PCD cutting tool.	N	■	■	■						
		S	■								
KD1405 	**Composition:** A pure CVD-deposited diamond-sheet tool brazed directly to a carbide substrate. **Application:** KD1405™ is the best Kennametal abrasion-resistant tool material for non-ferrous and non-metallic materials. Best applied when abrasion resistance is the desired benefit.	N	■	■							
		S	■								
KD1425 	**Composition:** A multimodal PCD grade with a range of grain sizes brazed onto a carbide substrate. **Application:** Engineered for extreme abrasion resistance, combined with good edge strength for demanding applications. An ideal choice for high-silicon aluminium alloys, bi-metallic (AL/GCI) materials, MMC, carbon-fibre reinforced plastics, and other abrasive non-metallic materials.	N		■	■	■					

Beyond™ PVD Grades



Beyond™ advanced PVD coatings are well suited to resist high temperatures associated with machining tough alloys. These coatings offer increased tool life and a boost in productivity to the general engineering, transportation, aerospace, energy, and earthworks markets. Use the strength of Beyond PVD coatings and the broad product offering to perform turning, grooving, and cut-off operations in a wide array of materials and applications. Beyond PVD coatings help to maintain consistent chip control and minimise insert edge wear.

beyond™

KCU10™ Grade

- PVD-coated grade with excellent wear resistance. Finishing to medium applications.
- Use in all materials, especially stainless steels and high-temp alloys.

KCU25™ Grade

- PVD-coated grade with superior edge toughness and excellent wear resistance. Medium to roughing applications.
- Use in all materials.

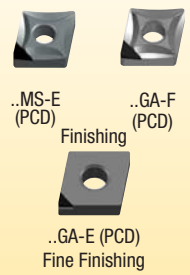
Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com.**

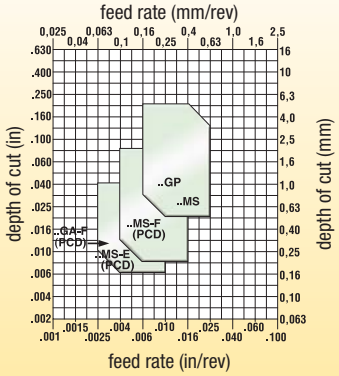
KENNAMETAL®

kennametal.com

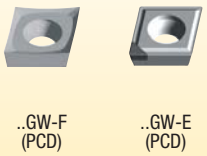
Step 1 • Select the insert geometry

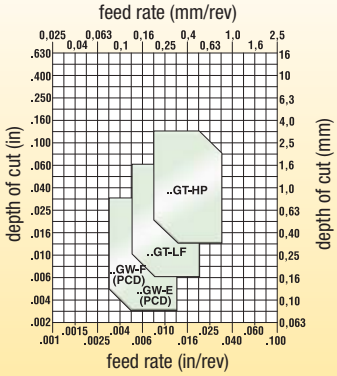
Negative Inserts





Positive Inserts





Step 2 • Select the grade

cutting condition		Negative Insert Geometry ..GA-E (PCD)	..MS-E (PCD)	..GA-F (PCD)	Positive Insert Geometry ..GW-E (PCD)	..GW-F (PCD)
heavily interrupted cut		–	–	KD1400	–	KD1400
lightly interrupted cut		KD1405	KD1405	KD1400	KD1405	KD1400
varying depth of cut, casting, or forging skin		KD1405	KD1405	KD1425	KD1405	KD1425
smooth cut, pre-turned surface		KD1405	KD1405	KD1425	KD1405	KD1425

Step 3 • Selecting the cutting speed

Low-Silicon Aluminium Alloys (hypoeutectic <12.2% Si) and Magnesium Alloys — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	1250 (4000)	1500 (4800)	1750 (5600)	2000 (6400)	2250 (7200)	2500 (8000)	m/min	SFM
N1	KD1400			◁▷								765	2500

High-Silicon Aluminium Alloys (hypereutectic >12.2% Si) and Magnesium Alloys — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N3	KD1405		◁▷			550	1800
	KD1425		◁▷			765	2500

Additional cutting speed recommendations for miscellaneous workpiece materials

Copper-, Brass-, Zinc-Based on a Machinability Index Range of 70–100 — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N4	KD1400/KD1405		◁▷			520	1700
	KD1425		◁▷			500	1600

Nylon, Plastics, Rubbers, Phenolics, Resins, Fibreglass, and Glass — speed — m/min (SFM) — Starting Conditions ◁▷

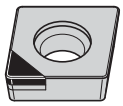
material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N5	KD1400/KD1405		◁▷			400	1300
	KD1425	◁▷				365	1200

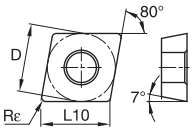
Carbon and Graphite Composites: Brush Alloys, Kevlar, and Graphite (280–400 HB) (30–43 HRC) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N6	KD1400/KD1405			◁▷		760	2500

MMCs (Aluminium-Based Metal Matrix Composites) — speed — m/min (SFM) — Starting Conditions ◁▷

material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	m/min	SFM
N7	KD1405		◁▷			460	1500
	KD1400		◁▷			365	1200





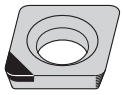
● first choice
○ alternate choice

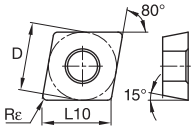
P			
M			
K			
N	●	○	●
S		●	●
H			

CCGW-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CCGW060204FST	6,35	6,45	0,4	●	–	●
CCGW09T304FST	9,53	9,67	0,4	●	–	●
CCGW09T308FST	9,53	9,67	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B179–B183.

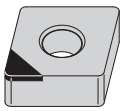


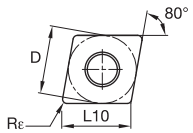


CDHB-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CDHBS4T002FST	3,97	4,03	0,2	●	–	●
CDHBS4T0X0FST	3,97	4,03	0,1	●	–	–

NOTE: For toolholders and boring bars, see pages B185–B187.

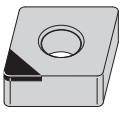


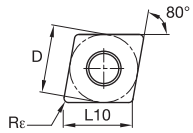


CNGA

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CNGA120404E	12,70	12,90	0,4	–	●	–
CNGA120408E	12,70	12,90	0,8	–	●	–

NOTE: For toolholders and boring bars, see pages B58–B73.

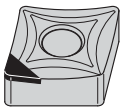


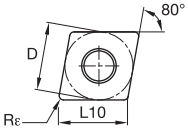


CNGA-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CNGA120404FST	12,70	12,90	0,4	●	–	●
CNGA120408FST	12,70	12,90	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B58–B73.





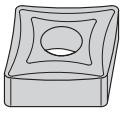
● first choice
○ alternate choice

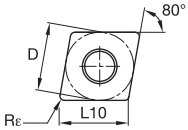
P			
M			
K			
N	●	○	●
S		●	●
H			

CNMS-E

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CNMS120408E	12,70	12,90	0,8	–	●	–

NOTE: For toolholders and boring bars, see pages B58–B73.

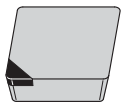


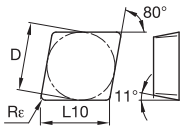


CNMS-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CNMS120404FST	12,70	12,90	0,4	●	–	–
CNMS120408FST	12,70	12,90	0,8	●	–	●

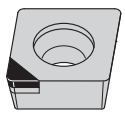
NOTE: For toolholders and boring bars, see pages B58–B73.

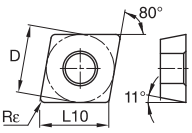




CPGN

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CPGN120304F	12,70	12,90	0,4	–	–	●
CPGN120308F	12,70	12,90	0,8	–	–	●





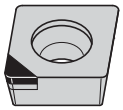
CPGW-E-F

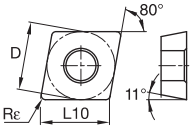
ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CPGW060204E	6,35	6,45	0,4	–	●	–
CPGW09T304E	9,53	9,67	0,4	–	●	–

NOTE: For toolholders and boring bars, see pages B192–B205.

● first choice
○ alternate choice

P			
M			
K			
N	●	○	●
S		●	●
H			



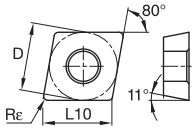


CPGW-FWST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CPGW060204FWST	6,35	6,45	0,4	●	–	●
CPGW09T308FWST	9,53	9,67	0,8	●	–	●
CPGW120408FWST	12,70	12,90	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B192–B205.

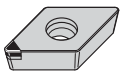


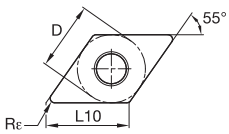


CPGW-ST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
CPGW060202FST	6,35	6,45	0,2	●	–	●
CPGW060204FST	6,35	6,45	0,4	●	–	●
CPGW060208FST	6,35	6,45	0,8	●	–	●
CPGW09T304FST	9,53	9,67	0,4	●	–	●
CPGW09T308FST	9,53	9,67	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B192–B205.

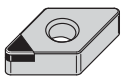


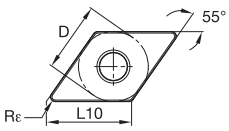


DCGW-ST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
DCGW070204FST	6,35	7,75	0,4	●	–	●
DCGW11T304FST	9,53	11,63	0,4	●	–	●

NOTE: For toolholders and boring bars, see pages B209–B213.

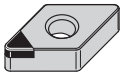


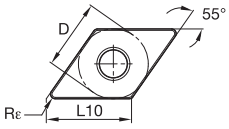


DNGA

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
DNGA150404E	12,70	15,50	0,4	–	●	–

NOTE: For toolholders and boring bars, see pages B85–B93.





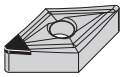
● first choice
○ alternate choice

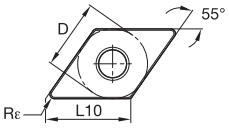
P			
M			
K			
N	●	○	●
S		●	●
H			

DNGA-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
DNGA150404FST	12,70	15,50	0,4	●	–	●
DNGA150408FST	12,70	15,50	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B192–B205.

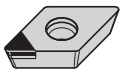


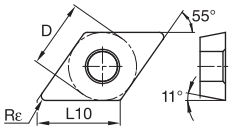


DNMS-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
DNMS150404FST	12,70	15,50	0,4	●	–	–
DNMS150408FST	12,70	15,50	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B192–B205.





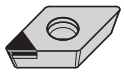
DPGW-E

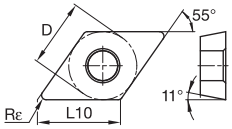
ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
DPGW11T304E	9,53	11,63	0,4	–	●	–

NOTE: For toolholders and boring bars, see pages B217–B221.

● first choice
○ alternate choice

P			
M			
K			
N	●	○	●
S		●	●
H			

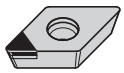


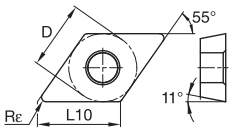


DPGW-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
DPGW070202FST	6,35	7,75	0,2	●	–	●
DPGW070204FST	6,35	7,75	0,4	●	–	●
DPGW11T304FST	9,53	11,63	0,4	●	–	●

NOTE: For toolholders and boring bars, see pages B217–B221.

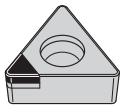


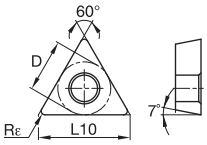


DPGW-FWST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
DPGW11T304FWST	9,53	11,63	0,2	–	–	●

NOTE: For toolholders and boring bars, see pages B217–B221.

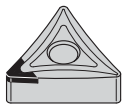


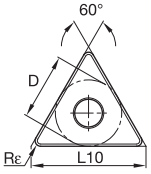


TCGW-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
TCGW110204FST	6,35	11,00	0,4	●	–	●
TCGW16T304FST	9,53	16,50	0,4	●	–	–

NOTE: For toolholders and boring bars, see pages B247–B248.





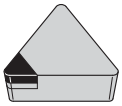
TNMS-FST

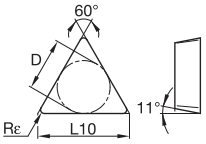
ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
TNMS160404FST	9,53	16,50	0,4	●	–	●
TNMS160408FST	9,53	16,50	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B132–B142.

● first choice
○ alternate choice

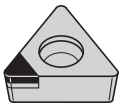
P			
M			
K			
N	●	○	●
S		●	●
H			

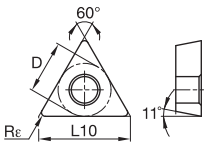




TPGN

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
TPGN110304F	6,35	11,00	0,4	–	–	●
TPGN160304F	9,53	16,50	0,4	–	–	●
TPGN160308F	9,53	16,50	0,8	–	–	●
TPGN220408F	12,70	22,00	0,8	–	–	●

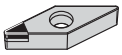


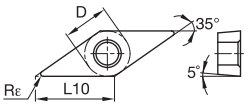


TPGW-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
TPGW110204FST	6,35	11,00	0,4	●	–	●
TPGW110208FST	6,35	11,00	0,8	●	–	–
TPGW16T304FST	9,53	16,50	0,4	–	–	●
TPGW16T308FST	9,53	16,50	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B257–B263.





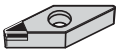
VBGW-E

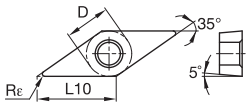
ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
VBGW160408E	9,53	16,61	0,8	–	●	–

NOTE: For toolholders and boring bars, see pages B266–B269.

● first choice
○ alternate choice

P			
M			
K			
N	●	○	●
S		●	●
H			

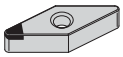


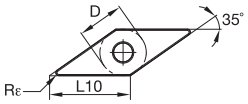


VBGW-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
VBGW110304FST	6,35	11,07	0,4	●	–	●
VBGW160404FST	9,53	16,61	0,4	●	–	●

NOTE: For toolholders and boring bars, see pages B266–B269.

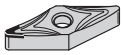


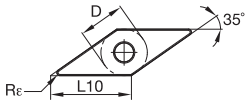


VNGA-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
VNGA160404FST	9,53	16,61	0,4	●	–	–
VNGA160408FST	9,53	16,61	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B149–B153.

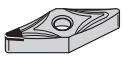


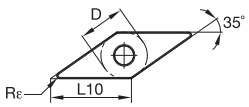


VNMS-E

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
VNMS160404E	9,53	16,61	0,4	–	●	–
VNMS160408E	9,53	16,61	0,8	–	●	–

NOTE: For toolholders and boring bars, see pages B149–B153.

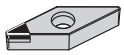


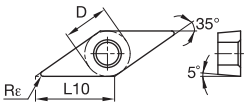


VNMS-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
VNMS160404FST	9,53	16,61	0,4	●	–	●
VNMS160408FST	9,53	16,61	0,8	●	–	●

NOTE: For toolholders and boring bars, see pages B149–B153.



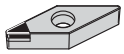


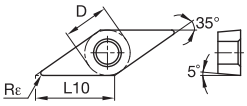
● first choice
○ alternate choice

P			
M			
K			
N	●	○	●
S		●	●
H			

VPGN

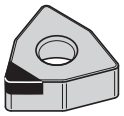
ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
VCGN160404	9,53	16,61	0,4	–	–	●
VCGN160408	9,53	16,61	0,8	–	–	●

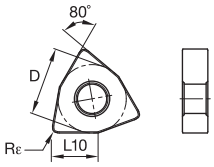




VPGR

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
VCGR160404	9,53	16,61	0,4	–	–	●
VCGR160408	9,52	16,61	0,8	–	–	●
VCGR160412	9,53	16,61	1,2	–	–	●

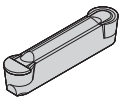


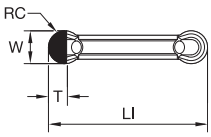


WNGA-FST

ISO catalogue number	D	L10	Rε	KD1400	KD1405	KD1425
WNGA080408FST	12,70	8,69	0,8	–	–	●

NOTE: For toolholders and boring bars, see pages B161–B165.





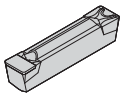
● first choice
○ alternate choice

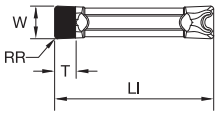
		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

Flat Top Full Radius Precision Ground • PCD

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0500M05P00E	5	5,00	2,5	25	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●

NOTE: For A4 holder, boring bars, and blades, see pages C104–C135.

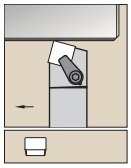


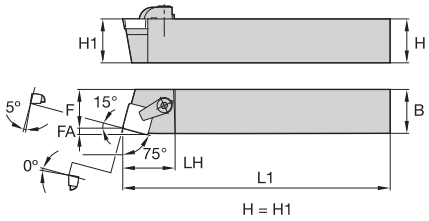


Flat Top Precision Ground • PCD

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0300M03P04E	3	3,00	0,4	20	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●
A4G0400M04P04E	4	4,00	0,4	20	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●
A4G0500M05P08E	5	5,00	0,8	25	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●

NOTE: For A4 holder, boring bars, and blades, see pages C104–C135.

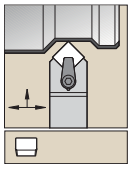


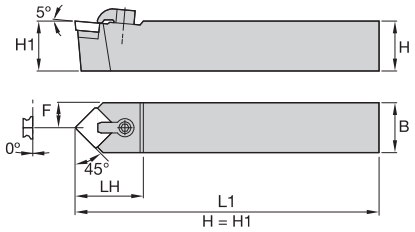


CSBP 75°



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
1097750	**CSBPR2020K12**	20	20	17,0	125	30,0	3,1	SP..120308	**SM840**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm

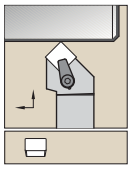


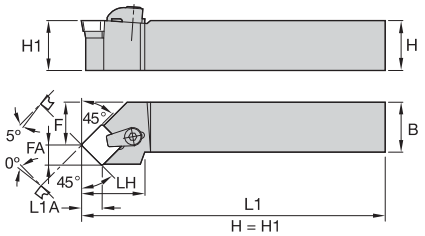


CSDP 45°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
1097754	**CSDPN2020K12**	20	20	10,0	125	32,0	SP..120308	**SM840**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm
1097755	**CSDPN2525M12**	25	25	12,5	150	32,0	SP..120308	**SM840**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm

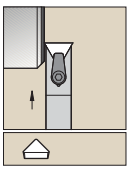


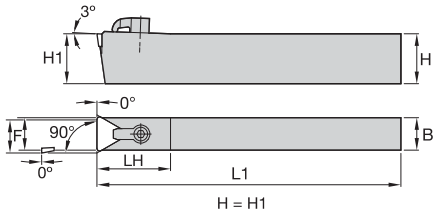


CSSP 45°



order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand															
1244605	**CSSPR2020K12**	20	20	25,0	125	32,0	8,7	8,3	SP..120308	**SM840**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm
1244606	**CSSPR2525M12**	25	25	32,0	150	32,0	8,7	8,3	SP..120308	**SM840**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm
left hand															
1244604	**CSSPL2525M12**	25	25	32,0	150	32,0	8,7	8,3	SP..120308	**SM840**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm

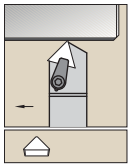


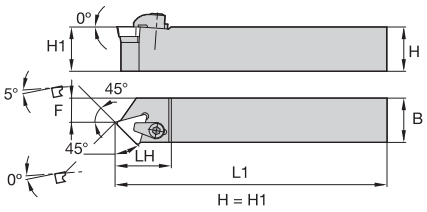


CTCP 90°



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
1097775	**CTCPN2510M11**	25	10	10,0	150	26,0	TP..110304	**SM819**	**MS960**	–	**CKM7**	**STCM5**	2.5 mm
1097776	**CTCPN2514M16**	25	14	14,4	150	28,0	TP..160308	**SM841**	**MS111**	2 mm	**CKM13**	**STCM4**	4 mm
1097781	**CTCPN2518M22**	25	18	19,2	150	41,0	TP..220408	**SM837**	**MS125**	2.5 mm	**CKM13**	**STCM4**	4 mm
1097778	**CTCPN2520M22**	25	20	20,2	150	41,0	TP..220408	**SM837**	**MS125**	2.5 mm	**CKM13**	**STCM4**	4 mm



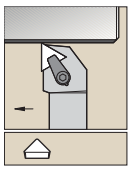


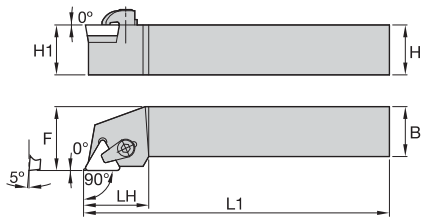
CTDP 45°






order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	clamp	clamp screw	hex
right hand												
1244613	**CTDPR1212F11**	12	12	6,0	80	22,0	TP..110304	**SM819**	**MS960**	**CKM19**	**STCM9**	2.5 mm



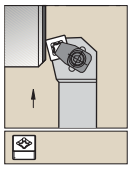


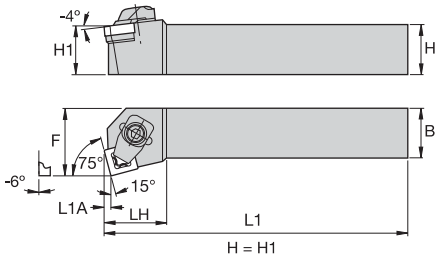
CTGP 90°






order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand													
1097762	**CTGPR1212F11**	12	12	16,0	80	20,0	TP..110304	**SM819**	**MS960**	–	**CKM19**	**STCM9**	2.5 mm
1097763	**CTGPR1616H11**	16	16	20,0	100	20,0	TP..110304	**SM819**	**MS960**	–	**CKM19**	**STCM9**	2.5 mm
1244595	**CTGPR2020K11**	20	20	25,0	125	20,0	TP..110304	**SM819**	**MS960**	–	**CKM19**	**STCM9**	2.5 mm
1097764	**CTGPR2020K16**	20	20	25,0	125	26,0	TP..160308	**SM841**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm
1097765	**CTGPR2525M16**	25	25	32,0	150	26,0	TP..160308	**SM841**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm
left hand													
1097916	**CTGPL1212F11**	12	12	16,0	80	20,0	TP..110304	**SM819**	**MS960**	–	**CKM19**	**STCM9**	2.5 mm
1097918	**CTGPL2020K16**	20	20	25,0	125	26,0	TP..160308	**SM841**	**MS111**	2 mm	**CKM10**	**STCM8**	4 mm
1097919	**CTGPL2525M16**	25	25	32,0	150	26,0	TP..160308	**SM841**	**MS111**	2 mm	**CKM9**	**STCM4**	4 mm





CCKN 75° • MX

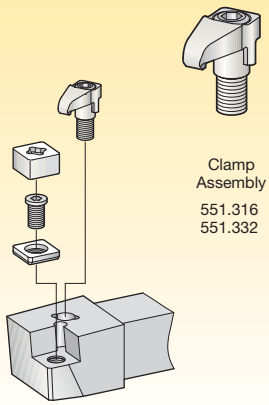




order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand													
2891706	**CCKNR2525M12MX7**	25	25	32,0	150	32,0	3,1	CNGX120708	**552.221**	**554.252**	2.5 mm	**551.013**	4 mm
left hand													
2891727	**CCKNL2525M12MX7**	25	25	32,0	150	32,0	3,1	CNGX120708	**552.221**	**554.252**	2.5 mm	**551.013**	4 mm

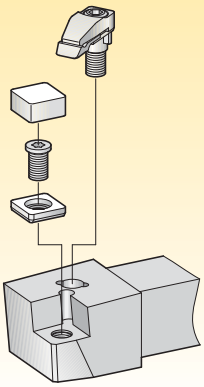
Spare Parts • -MX, -MN, -MF, and -MA Clamping Version

Clamping Mode MX

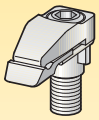


Clamp Assembly
551.316
551.332

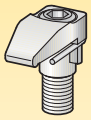
Clamping Mode MN



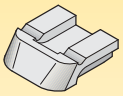
Individual Clamping Elements



Clamp Assembly
551.251
551.255

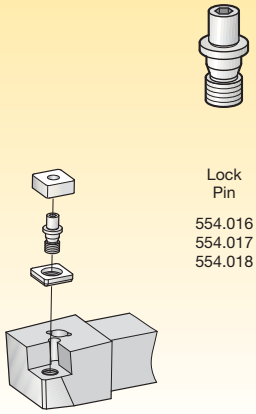


Clamping Element
551.333
551.317



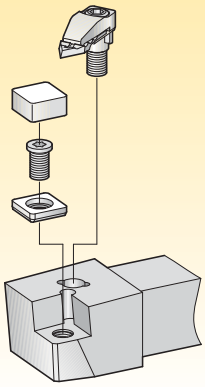
Pressure Plate
557.111
557.111

Clamping Mode MA

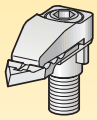


Lock Pin
554.016
554.017
554.018

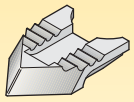
Clamping Mode MF



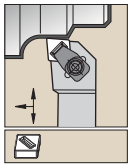
Individual Clamping Elements

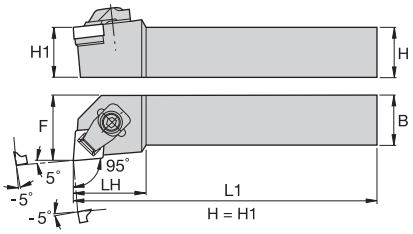


Clamp Assembly
551.252
551.253
551.254
551.256
551.257
551.258
551.260
551.261



Chipbreaker
557.125
557.126
557.127
557.120
557.121
557.122
557.123
557.124





CCLN 95° • MX





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
1260025	**CCLNR2525M12-MX7**	25	25	32,0	150	32,0	CN.X120708	**552.221**	**554.252**	2.5 mm	**551.316**	4 mm
1260028	**CCLNR3225P12-MX7**	32	25	32,0	170	32,0	CN.X120708	**552.221**	**554.252**	2.5 mm	**551.316**	4 mm
left hand												
1260017	**CCLNL2525M12-MX7**	25	25	32,0	150	30,0	CN.X120708	**552.221**	**554.252**	2.5 mm	**551.316**	4 mm
1260020	**CCLNL3225P12-MX7**	32	25	32,0	170	32,0	CN.X120708	**552.221**	**554.252**	2.5 mm	**551.316**	4 mm

CCLN 95° • MN

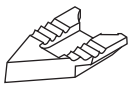





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
1260023	**CCLNR2525M12-MN4**	25	25	32,0	150	32,0	CN.N120408	**552.220**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1260024	**CCLNR2525M12-MN7**	25	25	32,0	150	32,0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1504937	**CCLNR3225P12-MN4**	32	25	32,0	170	32,0	CN.N120408	**552.220**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1260027	**CCLNR3225P12-MN7**	32	25	32,0	170	32,0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand													
1260015	**CCLNL2525M12-MN4**	25	25	32,0	150	32,0	CN.N120408	**552.220**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1260016	**CCLNL2525M12-MN7**	25	25	32,0	150	32,0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1504931	**CCLNL3225P12-MN7**	32	25	32,0	170	32,0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm

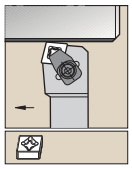
CCLN 95° • MF

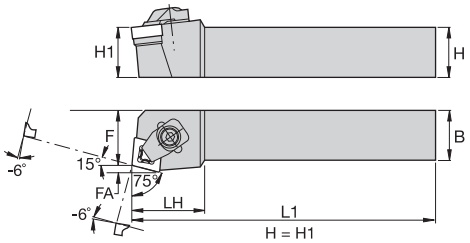





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	chipbreaker	clamp assembly	hex
right hand													
1260022	**CCLNR2525M12-MF4**	25	25	32,0	150	32,0	CN.N120408	**552.220**	**554.252**	2.5 mm	**557.125**	**551.317**	4 mm
1503826	**CCLNR2525M12-MF7**	25	25	32,0	150	32,0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.125**	**551.317**	4 mm
left hand													
1260014	**CCLNL2525M12-MF4**	25	25	32,0	150	32,0	CN.N120408	**552.220**	**554.252**	2.5 mm	**557.125**	**551.317**	4 mm
1504935	**CCLNL2525M12-MF7**	25	25	32,0	150	32,0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.125**	**551.317**	4 mm

NOTE: MX — clamping version is shown.
Basic holder may be ordered separately:
V.CLN R/L 2525M12
V.CLN R/L 3225P12
V.CLN R/L 3225P16



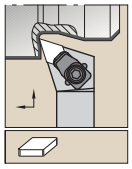


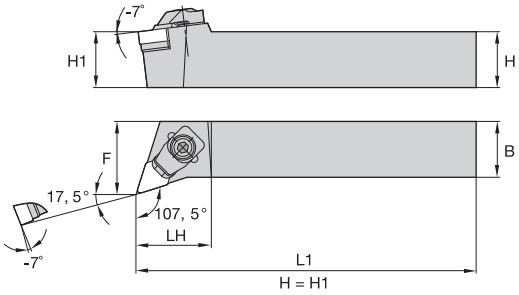
CCRN 75° • MN



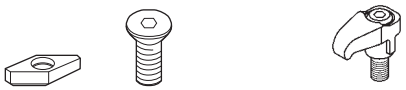
order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand														
1504885	**CCRNR3225P12-MN7**	32	25	27,0	170	35,0	3,1	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand														
1503827	**CCRNL2525M12-MN7**	25	25	27,0	150	35,0	3,1	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm

NOTE: MX — clamping version is shown.
Basic holder may be ordered separately:
V.CRN R/L 2525M12
V.CRN R/L 3225P12
V.CRN R/L 3225P16



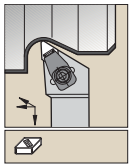


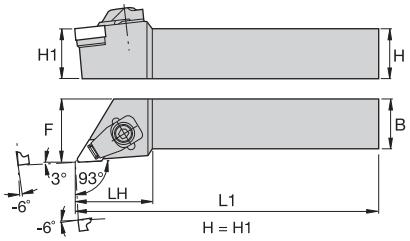
CDHN 107,5° • MX



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
1505504	**CDHNR2525M12-MX7**	25	25	32,0	150	30,0	DN.X120708	**552.225**	**554.254**	2.5 mm	**551.316**	4 mm

NOTE: MN — clamping version is shown.
Basic holder may be ordered separately:
V.DHN R/L 2525M12
V.DHN R/L 2525M15
V.DHN R/L 3225P15





CDJN 93° • MX





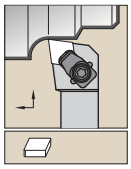
order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
1260177	**CDJNR2525M15-MX7**	25	25	32,0	150	38,0	DN.X150708	**552.228**	**554.252**	2.5 mm	**551.332**	4 mm
left hand												
1260172	**CDJNL2525M12-MX7**	25	25	32,0	150	38,0	DN.X120708	**552.225**	**554.254**	2.5 mm	**551.316**	4 mm
1504968	**CDJNL2525M15MX7**	25	25	32,0	150	38,0	DN.X150708	**552.228**	**554.252**	2.5 mm	**551.332**	4 mm

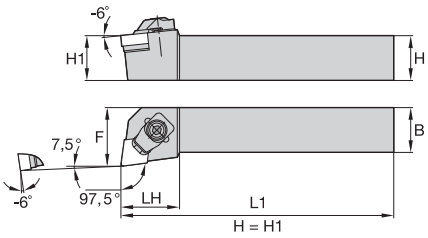
CDJN 93° • MN






order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
1260176	**CDJNR2525M15MN7**	25	25	32,0	150	38,0	DN.N150708	**552.228**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1327362	**CDJNR3225P15MN7**	32	25	32,0	170	38,0	DN.N150708	**552.228**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand													
1504969	**CDJNL2525M15MN7**	25	25	32,0	150	38,0	DN.N150708	**552.228**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1327363	**CDJNL3225P15MN7**	32	25	32,0	170	38,0	DN.N150708	**552.228**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm





CELN 97,5° • MX





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
1505803	**CELNR2525M13-MX7**	25	25	32,0	150	32,0	EN.X130708	**552.240**	**554.252**	2.5 mm	**551.316**	4 mm

CELN 97,5° • MN

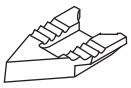





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
1501222	**CELNR2525M13MN7**	25	25	32,0	150	32,0	EN.N130708	**552.240**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand													
1501221	**CELNL2525M13MN7**	25	25	32,0	150	32,0	EN.N130708	**552.240**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm

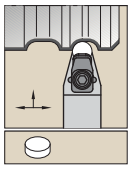
CELN 97,5° • MF

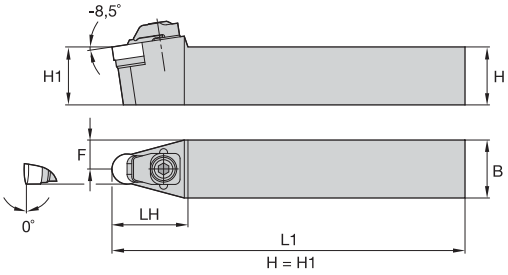





order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	chipbreaker	clamp assembly	hex
right hand													
1331458	**CELNR2525M13MF7**	25	25	32,0	150	32,0	EN.N130708	**552.240**	**554.252**	2.5 mm	**557.125**	**551.317**	4 mm

NOTE: MN — clamping version is shown.
Basic holder may be ordered separately:
V.ELN R/L 2525M13
V.ELN R/L 3225P13



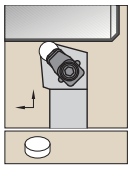


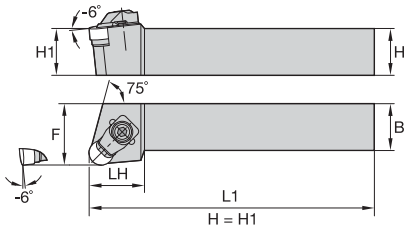
CRDN • MN



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
1510281	**CRDNN2525M12MN4**	25	25	12,5	150	30,0	RN.N120400	**552.229**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1313053	**CRDNN2525M12MN7**	25	25	12,5	150	30,0	RN.N120700	**552.230**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1502204	**CRDNN3225P12MN4**	32	25	12,5	170	30,0	RN.N120400	**552.229**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1320407	**CRDNN3225P12MN7**	32	25	12,5	170	30,0	RN.N120700	**552.230**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm

NOTE: MN — clamping version is shown.
Basic holder may be ordered separately:
V.RDN N 2525M12
V.RDN N 3225M12



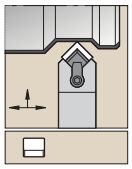


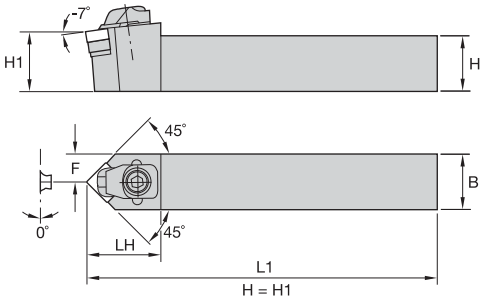
CRSN • MN



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
1510285	**CRSNR2525M12-MN4**	25	25	32,0	150	26,0	RN.N120400	**552.229**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1324116	**CRSNR2525M12MN7**	25	25	32,0	150	26,0	RN.N120700	**552.230**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1510286	**CRSNR3225P12MN4**	32	25	32,0	170	26,0	RN.N120400	**552.229**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1261273	**CRSNR3225P12MN7**	32	25	32,0	170	26,0	RN.N120700	**552.230**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
left hand													
1510282	**CRSNL2525M12-MN4**	25	25	32,0	150	26,0	RN.N120400	**552.229**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1510283	**CRSNL2525M12MN7**	25	25	32,0	150	26,0	RN.N120700	**552.230**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1510284	**CRSNL3225P12MN4**	32	25	32,0	170	26,0	RN.N120400	**552.229**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm
1331597	**CRSNL3225P12MN7**	32	25	32,0	170	26,0	RN.N120700	**552.230**	**554.252**	2.5 mm	**557.111**	**551.333**	4 mm

NOTE: MN — clamping version is shown.
Basic holder may be ordered separately:
V.RSN R/L 2525M12
V.RSN R/L 3225P12

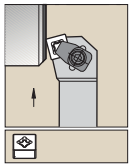


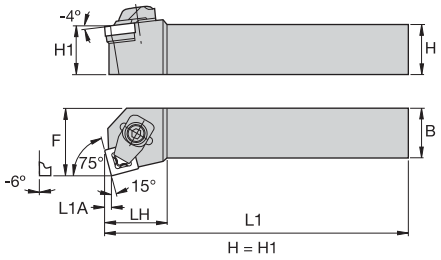


CSDN • MX



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp assembly	hex
2891696	**CSDNN2525M12MX7**	25	25	12,5	151	36,0	SNGX120708	**552.232**	**554.252**	2.5 mm	**551.316**	4 mm



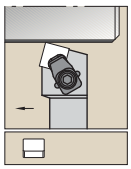


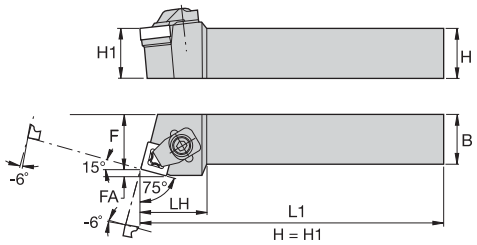
CSKN 75° • MN



order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand														
1261315	**CSKNR2525M12-MN7**	25	25	32,0	150	27,0	3,0	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand														
1261299	**CSKNL2525M12-MN4**	25	25	32,0	150	27,0	3,0	SN.N120408	**552.231**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1261300	**CSKNL2525M12-MN7**	25	25	32,0	150	27,0	3,0	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm

NOTE: MX — clamping version is shown.
Basic holder may be ordered separately:
V.SKN R/L 2525M12



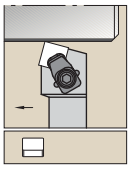


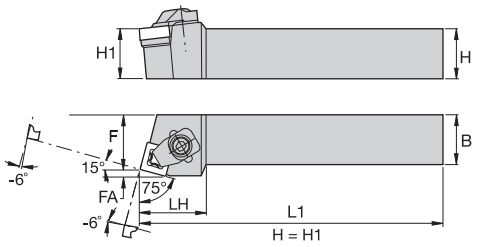
CSRN 75° • MX



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	clamp assembly	hex
left hand													
1510300	**CSRNL3225P15-MX7**	32	25	27,0	170	34,0	4,1	SN.X150708	**552.234**	**554.253**	3 mm	**551.316**	4 mm

NOTE: MX — clamping version is shown.
Basic holder may be ordered separately:
V.SRN R/L 2525M12
V.SRN R/L 3225P12
V.SRN R/L 3225P15

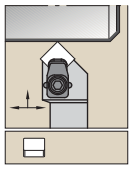


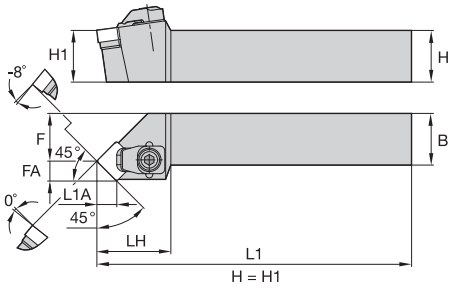


CSRN 75° • MN



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand														
1510303	**CSRNR2525M12-MN4**	25	25	27,0	150	32,0	3,1	SN.N120408	**552.231**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1261336	**CSRNR2525M12-MN7**	25	25	27,0	150	32,0	3,1	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand														
1510291	**CSRNL2525M12-MN4**	25	25	27,0	150	32,0	3,1	SN.N120408	**552.231**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1510292	**CSRNL2525M12-MN7**	25	25	27,0	150	32,0	3,1	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1261334	**CSRNL3225P12-MN7**	32	25	27,0	170	32,0	3,1	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm





CSSN 45° • MX

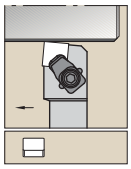


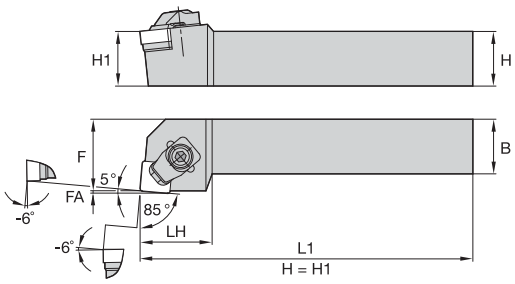
order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand														
1261367	**CSSNR2525M12-MX7**	25	25	32,0	150	35,0	8,3	8,3	SN.X120708	**552.232**	**554.252**	2.5 mm	**551.316**	4 mm
1261378	**CSSNR3225P15-MX7**	32	25	32,0	159	37,0	10,6	10,6	SN.X150708	**552.234**	**554.253**	3 mm	**551.316**	4 mm
left hand														
1261350	**CSSNL2525M12-MX7**	25	25	23,7	150	35,0	8,6	8,3	SN.X120708	**552.232**	**554.252**	2.5 mm	**551.316**	4 mm

CSSN 45° • MN

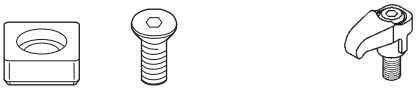


order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand															
1261366	**CSSNR2525M12-MN7**	25	25	32,0	142	35,0	8,3	8,3	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1261370	**CSSNR3225P12-MN4**	32	25	32,0	162	35,0	8,3	8,3	SN.N120408	**552.231**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1261371	**CSSNR3225P12-MN7**	32	25	32,0	162	35,0	8,3	8,3	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand															
1261349	**CSSNL2525M12-MN7**	25	25	32,0	142	35,0	8,3	8,3	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1261353	**CSSNL3225P12-MN4**	32	25	32,0	162	35,0	8,3	8,3	SN.N120408	**552.231**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1261354	**CSSNL3225P12-MN7**	32	25	32,0	162	35,0	8,3	8,3	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm





CSXN 85° • MX

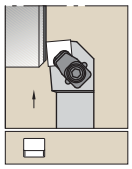


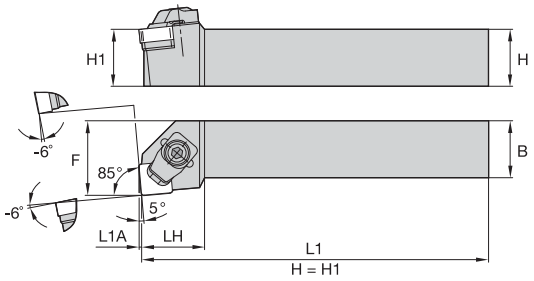
order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand													
1510334	**CSXNR3225P12-MX7**	32	25	32,0	170	30,0	1,1	SN.X120708	**552.232**	**554.252**	2.5 mm	**551.316**	4 mm

CSXN 85° • MN



order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand														
1510327	**CSXNR2525M12-MN4**	25	25	32,0	150	30,0	1,1	SN.N120408	**552.231**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand														
1510313	**CSXNL2525M12-MN4**	25	25	32,0	150	30,0	1,1	SN.N120408	**552.231**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm





CSYN 85° • MX



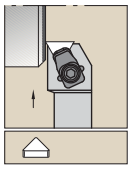
order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim screw	hex	clamp assembly	hex
left hand													
1261414	**CSYNL3225P12-MX7**	32	25	32,0	170	27,0	1,0	SN.X120708	**552.232**	**554.252**	2.5 mm	**551.316**	4 mm

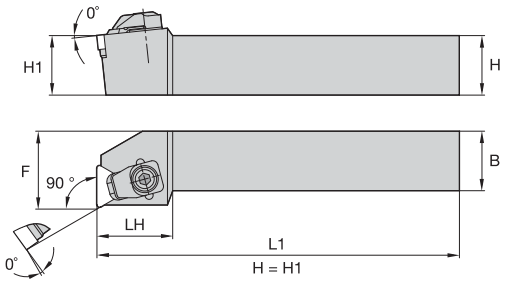
CSYN 85° • MN



order number	catalogue number	H	B	F	L1	LH	L1A	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand														
1261423	**CSYNR2525M12-MN7**	25	25	32,0	150	27,0	1,1	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand														
1261408	**CSYNL2525M12-MN7**	25	25	32,0	150	27,0	1,1	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm

NOTE: MN — clamping version is shown.
Basic holder may be ordered separately:
V.SYN R/L 2525M12
V.SYN R/L 3225P12



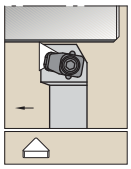


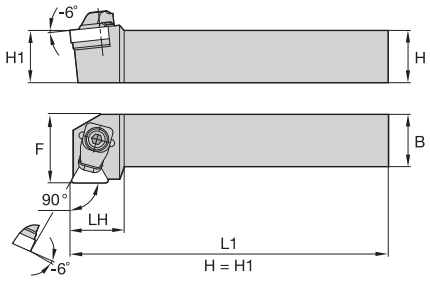
CTFN 90° • MN



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
1510344	**CTFNR2525M16-MN4**	25	25	32,0	150	29,0	TN.N160408	**552.235-H**	**554.254**	2.5 mm	**557.111**	**551.333**	4 mm
left hand													
1510341	**CTFNL2525M16-MN4**	25	25	32,0	150	29,0	TN.N160408	**552.235-H**	**554.254**	2.5 mm	**557.111**	**551.333**	4 mm

NOTE: MN — clamping version is shown.
Basic holder may be ordered separately:
V.TFN R/L 2525M16



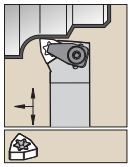


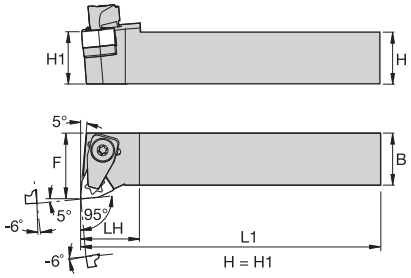
CTGN 90° • MN



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
1261482	**CTGNR2525M16-MN4**	25	25	32,0	150	20,0	TN.N160408	**552.235-H**	**554.254**	2.5 mm	**557.111**	**551.333**	4 mm
1261483	**CTGNR2525M16-MN7**	25	25	32,0	150	20,0	TN.N160708	**552.236**	**554.254**	2.5 mm	**557.111**	**551.333**	4 mm
left hand													
1261478	**CTGNL2525M16-MN4**	25	25	32,0	150	20,0	TN.N160408	**552.235-H**	**554.254**	2.5 mm	**557.111**	**551.333**	4 mm
1261479	**CTGNL2525M16-MN7**	25	25	32,0	150	20,0	TN.N160708	**552.236**	**554.254**	2.5 mm	**557.111**	**551.333**	4 mm

NOTE: MN — clamping version is shown.
Basic holder may be ordered separately:
V.TGN R/L 2525M16



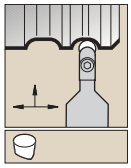


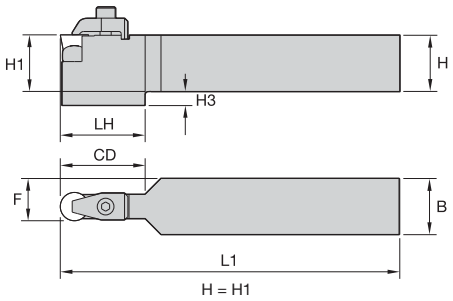
CWLN 95° • MX



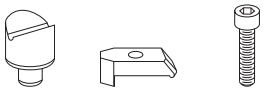


order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
1873227	**CWLNR3225P08-MX7**	32	25	32,0	170	32,0	WN.X080708	**552.210**	**554.252**	2.5 mm	**551.316**	4 mm
left hand												
1873224	**CWLNL2525M08-MX7**	25	25	32,0	150	32,0	WN.X080708	**552.210**	**554.252**	2.5 mm	**551.316**	4 mm



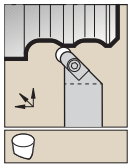


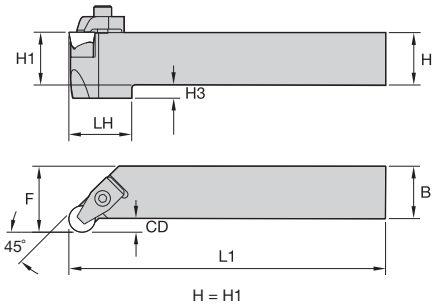
CRDP



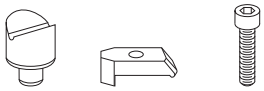
order number	catalogue number	H	B	F	L1	LH	H3	CD	gage insert	nest	clamp	clamp screw	hex
3642247	**CRDPN2525M06V**	25	25	12,5	151	—	—	19,0	RPGX060400E	**NST1**	**CM214**	**MS1321**	2.5 mm
3642249	**CRDPN3232P09V**	32	32	16,0	171	—	—	29,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm
3642248	**CRDPN2525M09V**	25	25	12,5	151	—	—	29,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm
3642251	**CRDPN3232P12V**	32	32	16,0	171	—	—	38,0	RPGX120700E	**NST3**	**CM216**	**CS412**	3.5 mm
3642252	**CRDPN3232P15V**	32	32	16,0	171	38,1	6,4	38,0	RPGX151000	**NST4**	**CM217**	**MS1294**	6 mm

NOTE: CRDP toolholders are able to use RPGX and RCGX insert styles.



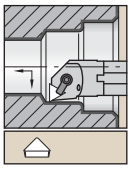


CRGP

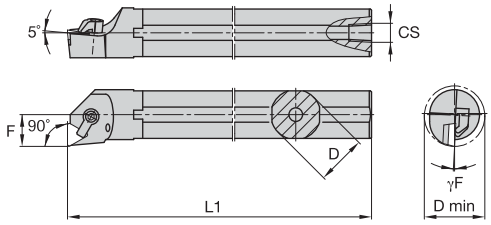


order number	catalogue number	H	B	F	L1	CD	gage insert	nest	clamp	clamp screw	hex
right hand											
3642276	**CRGPR2525M06V**	25	25	32,0	151	7,0	RPGX060400E	**NST1**	**CM214**	**MS1321**	2.5 mm
3642280	**CRGPR3232P09V**	32	32	40,0	171	8,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm
left hand											
3642277	**CRGPL2525M06V**	25	25	32,0	151	7,0	RPGX060400E	**NST1**	**CM214**	**MS1321**	2.5 mm
3642281	**CRGPL3232P09V**	32	32	40,0	171	8,0	RPGX090700E	**NST2**	**CM219**	**CS412**	3.5 mm

NOTE: CRGP toolholders are able to use RPGX and RCGX insert styles.



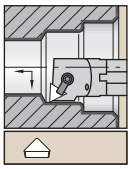
Steel shank with through coolant.



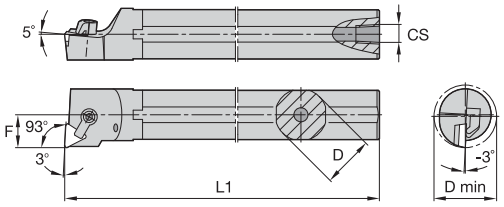
A-CTFP 90°



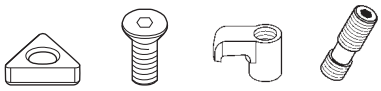
order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
1886492	**A16RCTFPR11**	16	20,0	11,0	200	1/8-27 NPT	-4.0	TP..110304	**–**	**–**	–	**CKM19**	**STCM9**	2.5 mm
1098051	**A20QCTFPR11**	20	25,0	13,0	180	1/8-27 NPT	0.0	TP..110304	**SM815**	**MS961**	–	**CKM19**	**STCM9**	2.5 mm
1098053	**A25RCTFPR16**	25	32,0	17,0	200	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
1098055	**A32SCTFPR16**	32	40,0	22,0	250	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
1886494	**A40VCTFPR16**	40	48,0	27,0	400	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
left hand														
1098054	**A25RCTFPL16**	25	32,0	17,0	200	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm
1098056	**A32SCTFPL16**	32	40,0	22,0	250	1/4-18 NPT	-3.0	TP..160308	**SM841**	**MS110**	2 mm	**CKM10**	**STCM8**	4 mm



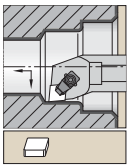
Steel shank with through coolant.



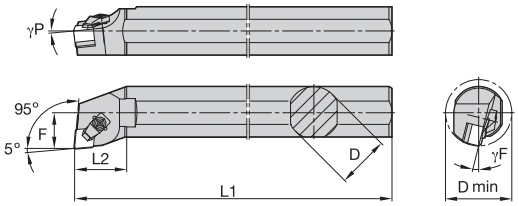
A-CTUP 93°



order number	catalogue number	D	D min	F	L1	CS	gage insert	shim	shim screw	clamp	clamp screw	hex
right hand												
1098057	**A16MCTUPR11**	16	20,0	11,0	150	1/8-27 NPT	TP..110304	**SM815**	**MS961**	**CKM19**	**STCM9**	2.5 mm
left hand												
1098058	**A16MCTUPL11**	16	20,0	11,0	150	1/8-27 NPT	TP..110304	**SM815**	**MS961**	**CKM19**	**STCM9**	2.5 mm



Steel shank without through coolant.



S-CCLN 95° • MX



order number	catalogue number	D	D min	F	L1	L2	γF°	γP°	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand														
2890773	**S32SCCLNR12MX7**	32	40,0	22,0	251	43	-14.0	-5.0	CN.X120708	**–**	**–**	–	**551.316**	4 mm
1289077	**S40T-CCLNR12-MX7**	40	55,0	27,0	300	40	-14.0	-6.0	CN.X120708	**552.221**	**554.252**	2.5 mm	**551.316**	4 mm
left hand														
1510401	**S40T-CCLNL12-MX7**	40	55,0	27,0	300	40	-14.0	-6.0	CN.X120708	**552.221**	**554.252**	2.5 mm	**551.316**	4 mm

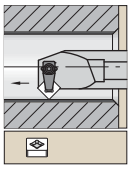
NOTE: MN – clamping version is shown.
Basic holder may be ordered separately:
S40T-V.CLN R/L 12

S-CCLN 95° • MN

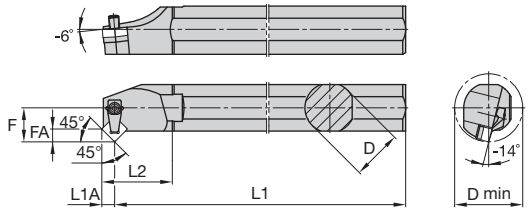


order number	catalogue number	D	D min	F	L1	L2	γF°	γP°	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand															
1289075	**S40T-CCLNR12-MN4**	40	55,0	27,0	300	40	-14.0	-6.0	CN.N120408	**552.220**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
1289076	**S40T-CCLNR12-MN7**	40	55,0	27,0	300	40	-14.0	-6.0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm
left hand															
1289072	**S40T-CCLNL12-MN7**	40	55,0	27,0	300	40	-14.0	-6.0	CN.N120708	**552.221**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm

NOTE: MN – clamping version is shown.
Basic holder may be ordered separately:
S40T-V.SSN R/L 12



Steel shank without through coolant.

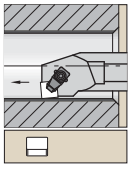


S-CSSN 45° • MX

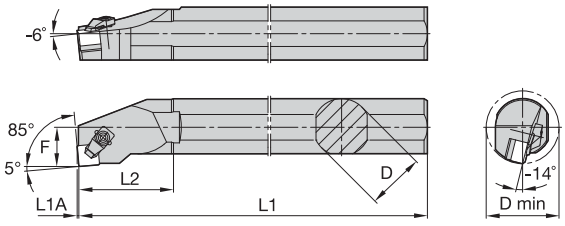


order number	catalogue number	D	D min	F	L1	L2	L1A	FA	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand														
1873498	**S40T-CSSNR12-MX7**	40	55,0	27,0	300	67,0	8,3	8,3	SN.X120708	**552.232**	**554.252**	2.5 mm	**551.316**	4 mm
left hand														
1873499	**S40T-CSSNL12-MX7**	40	55,0	27,0	300	67,0	8,3	8,3	SN.X120708	**552.232**	**554.252**	2.5 mm	**551.316**	4 mm

NOTE: MX – clamping version is shown.
Basic holder may be ordered separately:
S40T-V.SSN R/L 12



Steel shank without through coolant.



S-CSYN 85° • MN

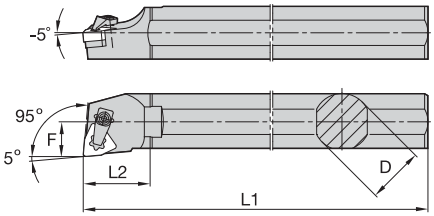


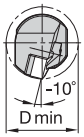
order number	catalogue number	D	D min	F	L1	L2	L1A	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand														
1245016	**S40T-CSYNR12-MN7**	40	55,0	27,0	300	67,0	1,0	SN.N120708	**552.232**	**554.252**	2.5 mm	**557.111**	**551.317**	4 mm

NOTE: MN – clamping version is shown.
Basic holder may be ordered separately:
S40T-V.SYN R/L 08



Steel shank without through coolant.





S-CWLN 95° • MX



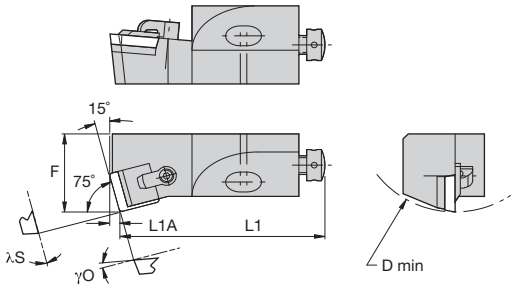




order number	catalogue number	D	D min	F	L1	L2	γF°	gage insert	shim	shim screw	hex	clamp assembly	hex
left hand													
1873496	**S40T-CWLNL08-MX7**	40	80,0	27,0	300	55,0	-10.0 deg	WN.X080708	**552.210**	**554.252**	2.5 mm	**551.316**	4 mm

NOTE: Basic holder may be ordered separately:
S40T-V. WLN R/L 12





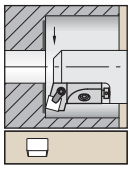
CSKP 75°

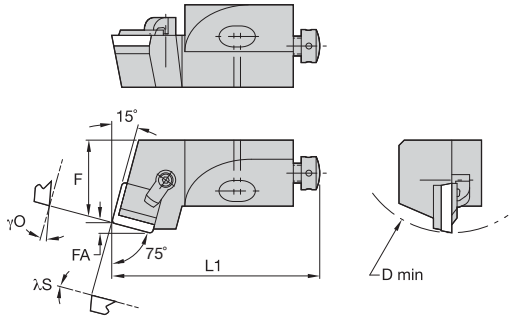
order number	catalogue number	D min	F	L1	L1A	λS°	γO°	gage insert
right hand								
1261328	**CSKPR12CA12**	50	20,0	55	3,1	0.0	5.0	SP..120308/SP..422

Spare Parts



D min	shim	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
50	–	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	**191.406**	4 mm	**CSWM 060 050**





CSRP 75°

order number	catalogue number	D min	F	L1	FA	λS°	γO°	gage insert
right hand								
3331132	**CSRPR10CA09**	40	14,0	50	2,2	0.0	0.0	SP..090308/SP..322

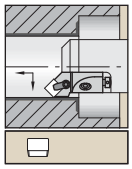
Spare Parts

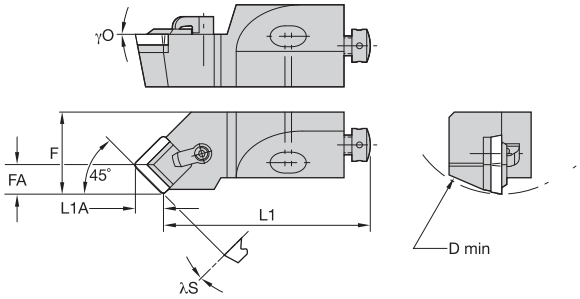







D min	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
40	**CKM34**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**





CSSP 45°

order number	catalogue number	D min	F	L1	FA	L1A	λS°	γO°	gage insert
right hand									
1261379	**CSSPR10CA09**	40	14,0	44	6,5	6,1	0.0	0.0	SP..090308/SP..322
left hand									
3331143	**CSSPL10CA09**	40	14,0	44	6,5	6,1	0.0	0.0	SP..090308/SP..322

NOTE: Select spare parts based off of D min and insert size selected.

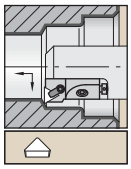
Spare Parts

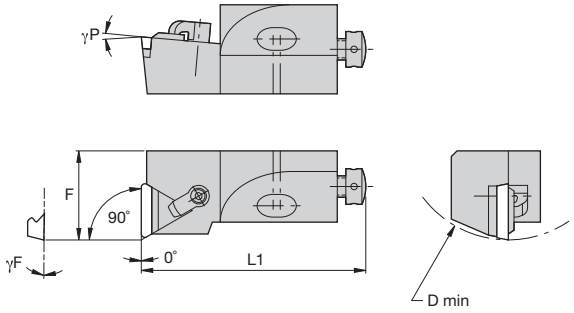







D min	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	hex	washer
40	**CKM34**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	4 mm	**CSWM 060 050**

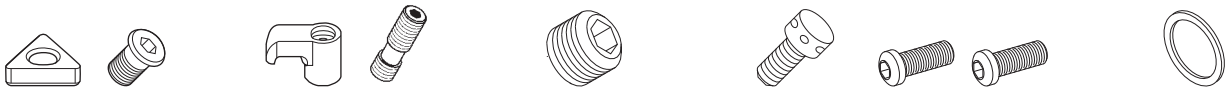




CTFP 90°

order number	catalogue number	D min	F	L1	γF°	γP°	gage insert
right hand							
2116588	**CTFPR10CA11**	40	14,0	50	0.0	5.0	TP..110304/TP..221
1746442	**CTFPR12CA16**	50	20,0	55	0.0	5.0	TP..160308/TP..322
2582207	**CTFPR20CA22**	70	25,0	70	0.0	5.0	TP..220408/TP..432
left hand							
2114034	**CTFPL10CA11**	40	14,0	50	0.0	5.0	TP..110304/TP..221

Spare Parts



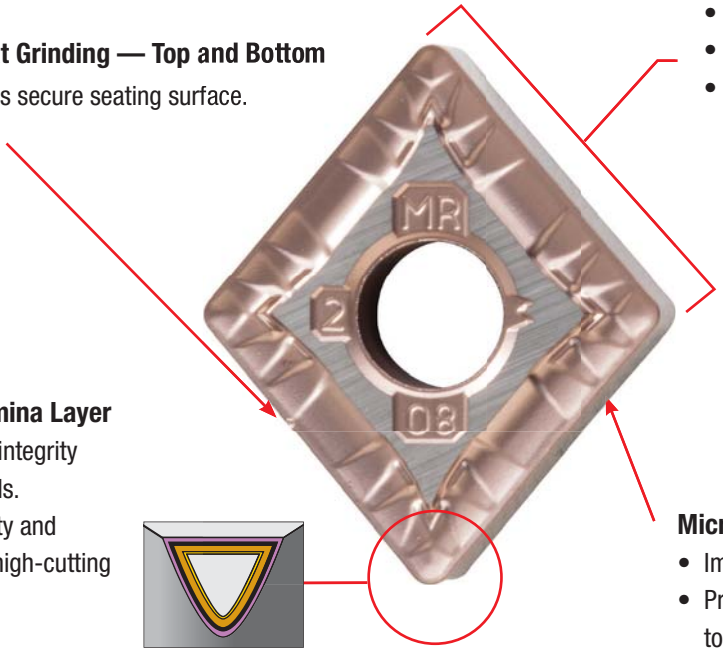
D min	shim	shim screw	hex	clamp	clamp screw	hex	radial adjusting screw	hex	axial adjusting screw	mounting screw	mounting screw	hex	washer
40	**–**	**–**	–	**CKM34**	**STCM38**	2 mm	**KUAM28**	2 mm	**KUAM30**	**191.405**	**–**	4 mm	**CSWM 060 050**
50	**–**	**–**	–	**CKM34**	**STCM38**	2 mm	**KUAM22**	2 mm	**KUAM31**	**–**	**191.406**	4 mm	**CSWM 060 050**
70	**SM837**	**MS125**	2.5 mm	**CKM35**	**STCM8**	4 mm	**KUAM25**	2.5 mm	**KUAM32**	**–**	**191.407**	5 mm	**CSWM 080 050**

Beyond™ Drive™ Inserts

- Designed for increased productivity.
- Post-coat treatment reduces stress, improves coating adhesion.
- Excellent toughness and wear resistance.
- Better insert wear detection.

Post-Coat Treatment
- Improves edge toughness.
- Long predictable tool life.
- Reduces depth-of-cut notching.
- Wide range of applications.

Post-Coat Grinding — Top and Bottom
- Provides secure seating surface.



Fine-Grained Alumina Layer
- Provides coating integrity at elevated speeds.
- Higher productivity and dependability at high-cutting temperatures.

TiN/MT-TiCN/TiCN/Al_2O_3/TiOCN

Micro-Polished Edges
- Improves edge toughness.
- Provides smooth outer surface to reduce forces, friction, and workpiece sticking.

Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com.**

KENNAMETAL®

kennametal.com

Tunable Boring Bars

With Front End KM™ Quick-Change Adaptor

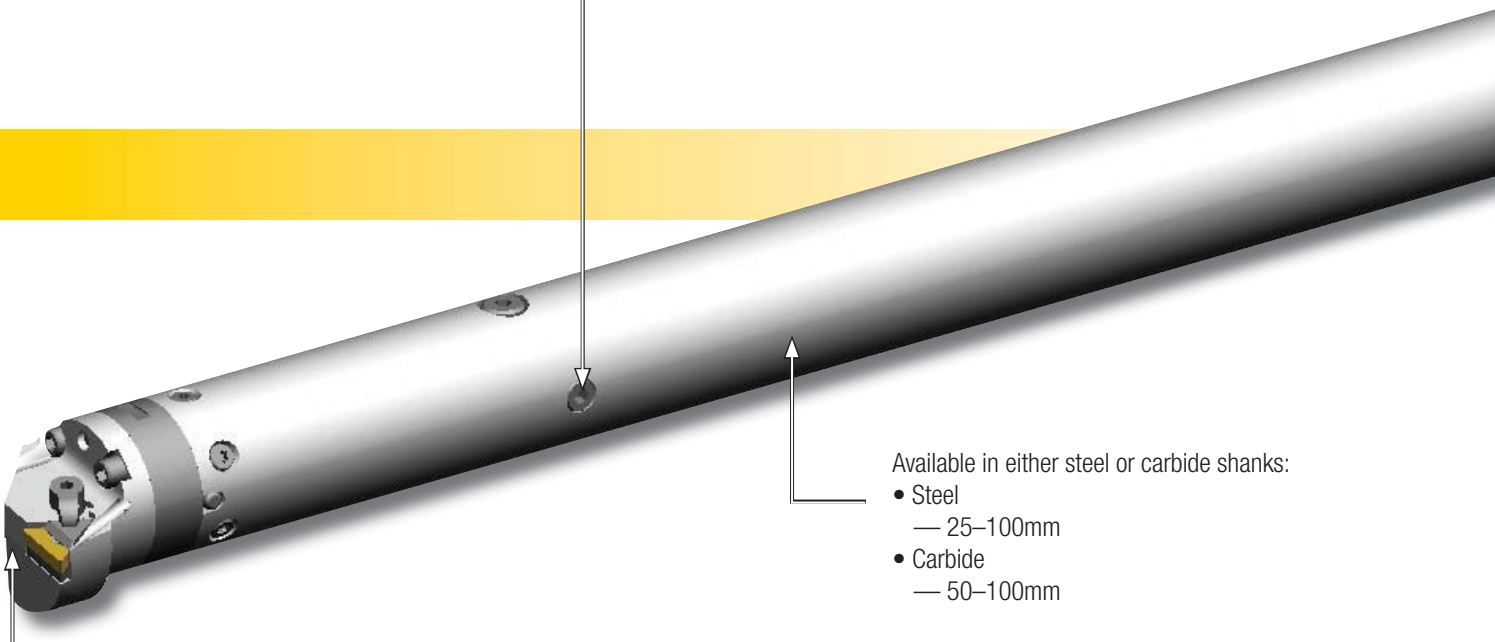
Kennametal offers a portfolio of tunable boring bars to increase productivity and solve chatter and other issues in long-boring operations.

Features, Functions, and Benefits

Features	Functions	Benefits
Robust internal clamping package	• Eliminates chatter and vibration. • Higher metal removal rate. • Larger depths of cut.	• High surface quality. • Low scrap rate. • Increased productivity. • Reduced noise exposure.
Tunable clamping mechanism	Bar can be tuned on the machine with just the turn of a screw.	Optimised damping characteristics for all kinds of machining conditions.
KM Quick-Change front end adaptor	• Ridged clamping system. • Wide selection of KM Quick-Change cutting units.	Flexible system reduces tooling inventory and setup times.

Kennametal has made several key improvements to our current tunable boring bar portfolio:

- Enhanced standardised tuning process at the manufacturing plant ensures bars are accurately tuned at the maximum overhang.
- Nitriding of steel tunable boring bars to eliminate the effects of chip wash.
- Elimination of flats on tunable boring bars enhances stability and promotes proper toolholding.
- Addition of a small flat on the connection collar enables the use of a centre-height tool.
- Enhanced assembly process.



Appearance of the Tunable Boring Bars

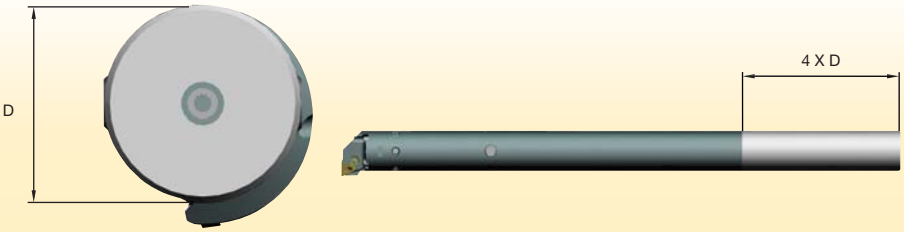
- **NEW** All tunable boring bars are tuned at the manufacturing plant and delivered to the customer with the tune specified at the maximum overhang of the bar.
- **NEW** All steel tunable bars undergo a nitriding process to help prevent chip wash damage to the bar and extend the bar's tool life.
- The nitride process of the black oxide steel tunable boring bars gives the shanks a bluish tint. These bars are through-coolant capable and use bolt-on heads or KM™ Quick-Change cutting adaptors. There is a set screw to tune the bar.
- Tunable boring bars with carbide shanks will appear grey in colour. They are through-coolant capable and use KM Quick-Change cutting adaptors. There is a set screw to tune the bar.

Application Recommendations

- Choose a boring bar as big as possible, but make sure there is adequate space for the chip evacuation.
- Balance the machining settings to avoid uncontrollable vibrations.
- Keep the L/D ratio as small as possible.
- Bar comes pre-tuned, but can be adjusted by hand.

1 Holding the Bar

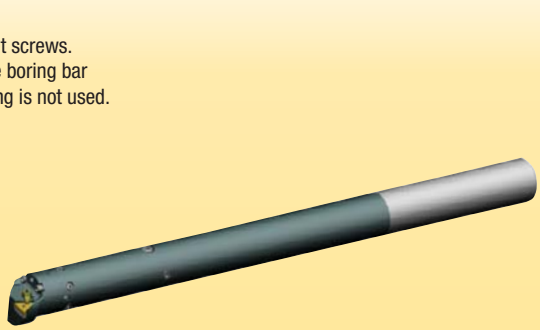
- Hold the bar correctly. Kennametal recommends holding the bar at 4 x D.

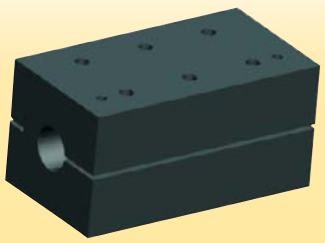


2 Kennametal recommends holding the boring bar in a split-style holder, with a split-style reducer if needed, with an ISO H7 diametral tolerance.

3 NEW: All flats have been removed from steel tunable boring bars.

- Do not clamp the bars with set screws.
- Kennametal cannot guarantee boring bar performance if proper clamping is not used.



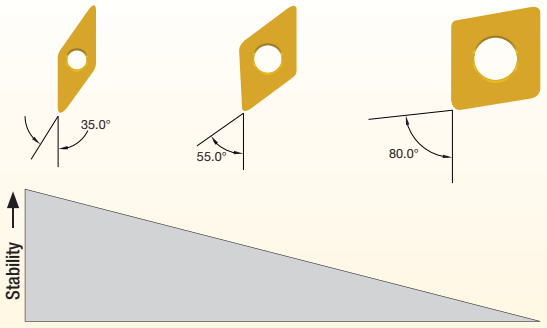


4 Tunable boring bars are designed and pre-tuned at the maximum overhang.

- Steel bars: pre-tuned to 10 x D; use as low as 6 x D.
- Carbide composite bars: pre-tuned to 15 x D; use as low as 12 x D.
- Re-tuning may be necessary if the boring bar is not used at its pre-tuned overhang.
- Never clamp or use the boring bar below its minimum overhang.

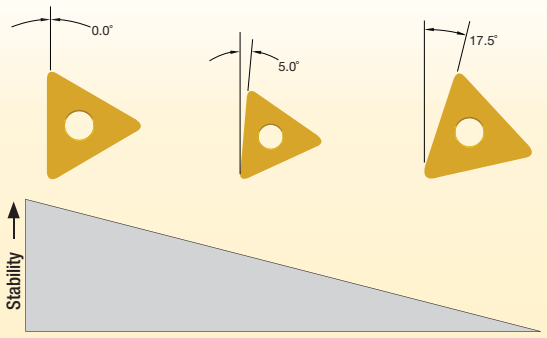
5 Insert Angle

- Smaller point angles produce consistent chip sizes and increase bore clearance for better chip evacuation.
- Larger point angles may cause rubbing due to larger cutting edge, which can result in vibration.



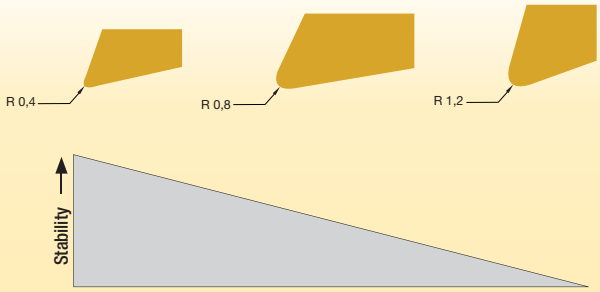
6 Lead Angle

- Choose a lead angle as close to 90º as possible for increased stability.



7 Nose Radius

- Choose a small nose radius for better stability.
- Depth of cut should be larger than the nose radius.



8 Insert Geometries

- Use positive, free-flowing insert geometries and sharp edge preps to reduce cutting forces.
- Use PVD inserts as a first choice because thinner coating keeps edge prep smaller.

9 Centre Cutting Height

- Cutting height tolerances are +/-.005".
- Kennametal recommends using our new centre height alignment tool kit. The kit includes a magnet, a seat, and an angle finder that can be mounted onto a small flat located on the connection collar of the tunable boring bar.

10 Chip Evacuation

- Chip packing and re-cutting can cause unwanted vibration while boring.
- Use coolant to flush out chips and to keep the damping element cool.
- Use insert geometries and cutting parameters that produce small chips.
- The boring bar can be used upside down to improve chip evacuation.

Tuning Recommendations

- Loosen the two locking screws on the bar.
- Turn the adjusting screw clockwise until the screw stops turning freely and the mass is in the locked-down position.
- You are now ready to tune the bar.
- Turn the adjusting screw in the anti-clockwise direction in quarter turn increments to adjust.
- After the adjustment has been completed, tighten the locking screws.

Kennametal Tunable Boring Bar Centre Height Alignment Procedure

The following procedure will walk the user through setting up a tunable boring bar on centre without the use of flats on the shank.

Equipment

- Digital angle finder
- Angle finder seat
- Boring bar to be used



Figure 1: Angle finder seat (left) and digital angle finder (right)

Assembly

- Clean any dirt, chips, debris, etc. from the mounting surfaces of the digital angle finder and the corresponding surfaces of the angle finder seat.
- Assemble the digital angle finder onto the angle finder seat, making sure it is flush against the back of the angle finder seat.

Calibration

- Clean an area on the X-axis of the lathe to create a reference surface for calibration.
- Clean any dirt, chips, debris, etc. from the magnet on the bottom of the angle finder seat.
- Place the angle finder assembly onto the X-axis of the lathe.
  - Keep the angle finder assembly parallel to the axis.
  - It is helpful to butt the assembly up against the turret housing to keep it parallel to the X-axis.
- Turn the digital angle finder on by pressing the on/off button.
- Zero the digital angle finder by pressing the zero button.

NOTE: The angle finder is now calibrated to the X-axis of the lathe and will measure angles corresponding to this axis.



Figure 2: X-axis calibration

Boring Bar Alignment

- With the boring bar already placed in the holder and set to the correct overhang, clean any dirt, chips, debris, etc. from the small flat on the collar of the boring bar.
- Place the angle finder assembly onto the boring bar by aligning the small magnet on the bottom of the assembly with the small flat on the collar of the boring bar.
  - — Be sure the angle finder assembly is perpendicular to the axis of the boring bar.
  - — Be sure the angle finder assembly is oriented in the same direction it was when it was calibrated to the X-axis of the lathe.



Figure 3: Boring bar collar flat

- Rotate the boring bar until the digital angle finder reads zero degrees.



Figure 4: Aligning the boring bar

- Tighten the boring bar holder to lock the boring bar position.
  - — Be sure the digital angle finder still reads zero after clamping the bar.
- The boring bar should now be on centre.

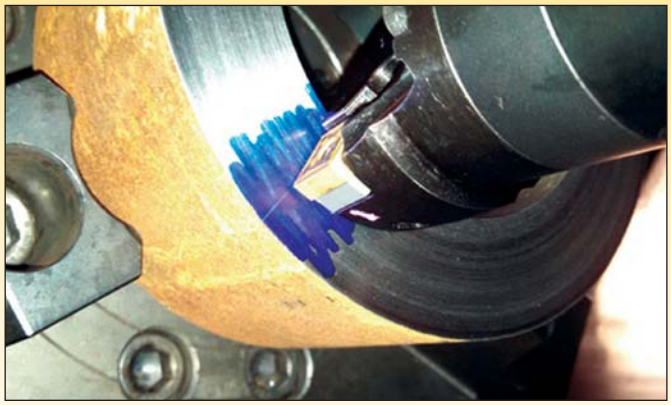
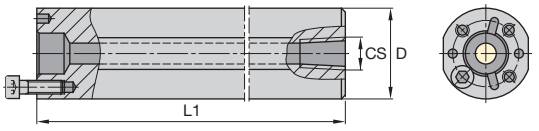


Figure 5: Boring bar centre height

Order the Kennametal Centre Height Alignment Tool Kit

The centre height alignment tool kit is available to order. Use order number 6141867, or catalogue number KIT-BB-AF.

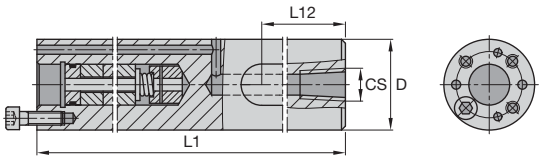


Steel shank with through coolant.
Max 4:1 overhang ratio.



BS

order number	catalogue number	D	L1	CS	screw 3 required	screw	hex
1098078	**BS32S**	32	210	RP3/8	**MS412**	**MS330**	4 mm
1098079	**BS40T**	40	260	RP3/8	**MS412**	**MS330**	4 mm
1098080	**BS50U**	50	310	RP3/8	**MS337**	**MS339**	5 mm

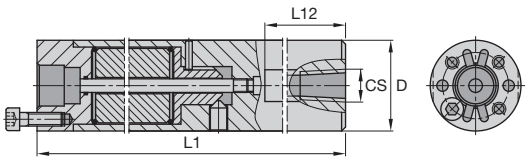


Steel shank DeVibrator with through coolant.
Max 6:1 overhang ratio.



BSD

order number	catalogue number	D	L1	CS	L12	L1 min	screw 3 required	screw	hex
1098150	**BSD32U**	32	310	RP3/8	200	200	**MS330**	**MS412**	4 mm
1098151	**BSD40V**	40	360	RP3/8	248	228	**MS330**	**MS412**	4 mm
1098152	**BSD50W**	50	410	RP3/8	280	276	**MS339**	**MS337**	5 mm

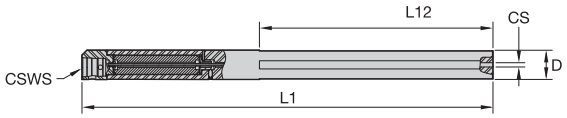


Tunable steel shank with through coolant.



D...TTB

order number	catalogue number	D	L1	CS	L12	L1 min	screw 3 required	screw	hex
1772222	**D25MTTB400**	25	381	RP1/4	203	227	**MS1499**	**MS319**	3 mm
1772223	**D32MTTB447**	32	422	RP3/8	267	332	**MS325**	**MS1130**	4 mm
1772224	**D40MTTB530**	40	492	RP3/8	305	300	**MS326**	**MS330**	4 mm
1772230	**D50MTTB700**	50	670	RP3/8	470	309	**MS337**	**MS337**	5 mm

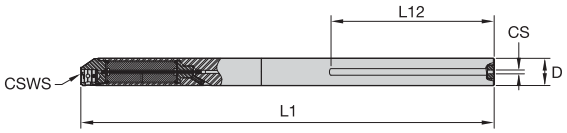


Tunable steel shank with through coolant and front end KM™ clamping unit.



D...TTB-KM • Metric

order number	catalogue number	D	L1	CS	L12	L1 min	CSWS system size
3637636	**D40MTTB560KM40**	40	520	RP 3/8-19	305	330	KM40
3637637	**D50MTTB737KM40**	50	697	RP 3/8-19	470	337	KM40
3637638	**D60MTTB1000KM40**	60	976	RP 3/8-19	686	396	KM40
3642134	**D80MTTB1120KM63**	80	1060	RP 3/8-19	610	560	KM63
3642135	**D100MTTB1330KM63**	100	1384	RP 3/8-19	622	695	KM63



Carbide tunable boring bar with KM™ Quick-Change connection.



G-TTB-KM • Metric

order number	catalogue number	D	L1	CS	L12	CSWS system size
3954298	**G50MTTB1026KM40**	50	986	RP 3/8-19	300	KM40
3954300	**G80MTTB1564KM63**	80	1504	RP 3/8-19	480	KM63


KENNAMETAL
F5BN
beyond EVOLUTION
MADE IN INDIA

Grooving and Cut-Off

Beyond Evolution • Grooving, Turning, and Cut-Off C2–C77

Application Guidelines C76–C77

A4 Groove and Turn C78–C135

Top Notch • Shallow Grooving C136–C179

Application Guidelines C172–C179

Getting started made **EASY**

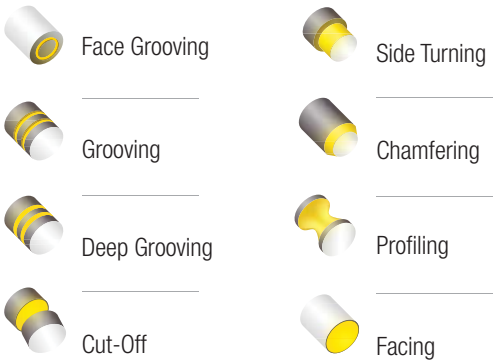
beyond™ EVOLUTION™

Your day made **EASY**

Choosing the right tooling can be complicated and time-consuming. Built on simplicity, we have engineered a new tool that makes every machine operator's life EASY.

Unwilling to sacrifice performance or applications, Kennametal introduces Beyond™ Evolution™.

Beyond™ Evolution™ is the new single-side grooving and cut-off tool that also performs multi-directional turning.

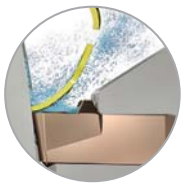


Productivity made **EASY**

Active Coolant Control

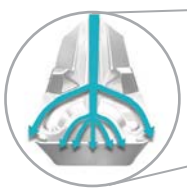
If your coolant delivery is typical to the market, you may be applying more heat to the cutting edge than you think. This reduces tool life and increases cycle time.

With Beyond™ Evolution™, you won't have to change your existing equipment. Whether you are using a high-pressure or low-pressure coolant supply, Beyond™ Evolution™, featuring Active Coolant Control, delivers more tool life and higher Metal Removal Rates (MRR).



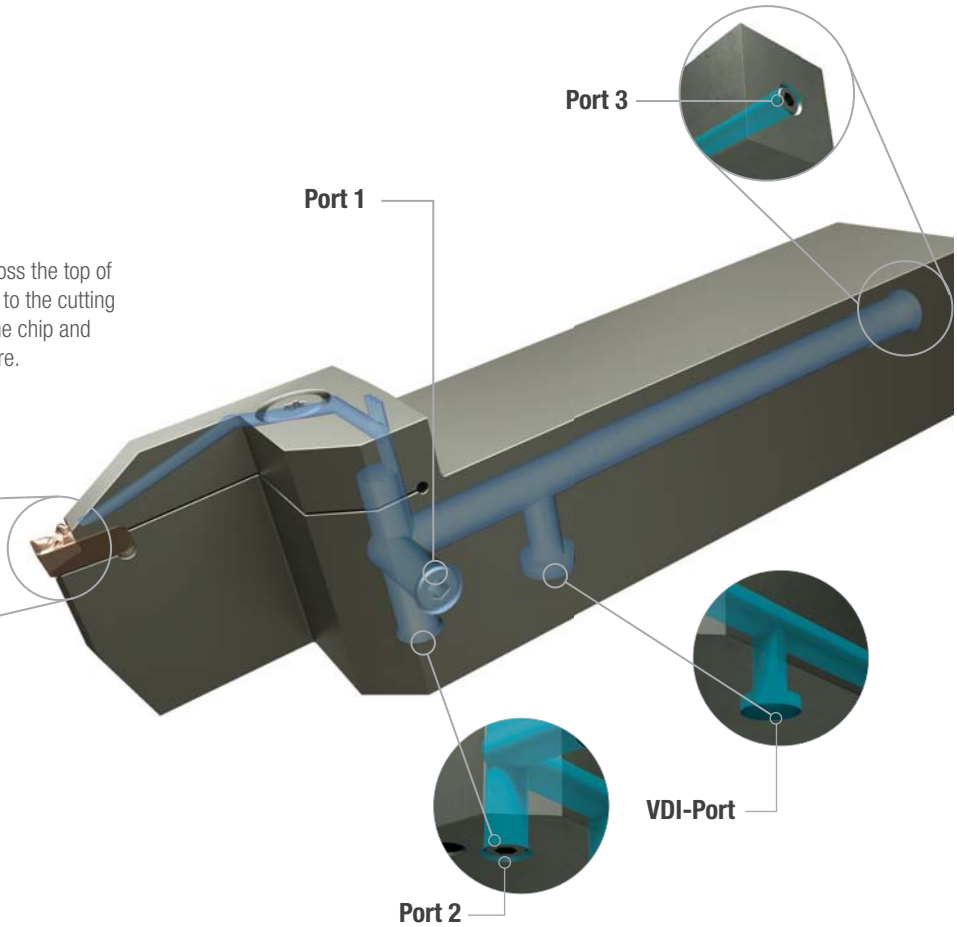
Fan Effect

Directs coolant across the top of the insert precisely to the cutting zone underneath the chip and controls temperature.



Chipbreaking Effect

Improve chip control in all grooving, cut-off, and multi-directional turning applications.



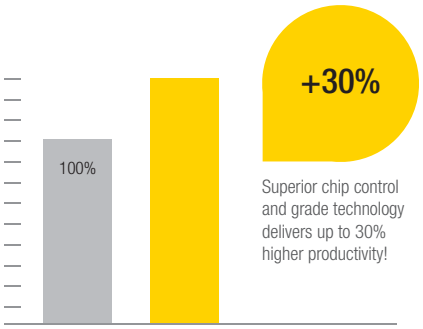
Smooth surface finish made **EASY**

Triple-V Seating

Problem: Traditional single-sided grooving and cut-off systems cannot deliver smooth surface finish due to lack of stability.

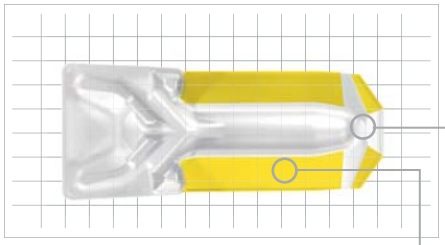
Solution: The Beyond™ Evolution™ proprietary new Triple-V Seating feature provides functional stability and minimises vibration.

Three contact surfaces provide unmatched stability: When combined with GUP and CF chipbreakers, Triple-V Seating provides excellent surface finish.



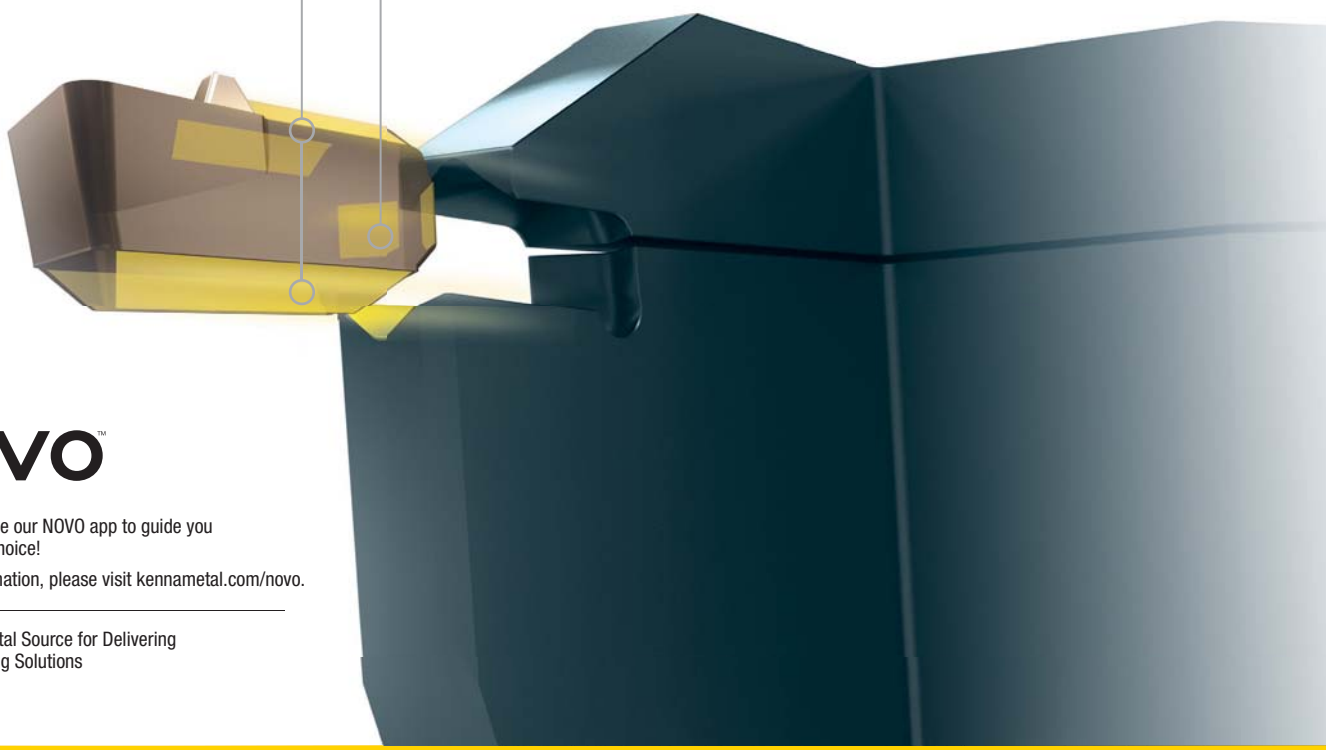
Saving money made **EASY**

Beyond™ Evolution™, featuring Active Coolant Control, Triple-V Seating, and Beyond™ Drive™ grades with Wear Detection Technology, provides longer tool life, maximum stability, and higher Metal Removal Rates (MRR), resulting in up to 30% higher productivity.



V-Back Design
Unsurpassed grooving, cut-off, and multi-directional turning load stability.

Top and Bottom-V
Precise and secure insert positioning for increased rigidity and dimensional accuracy



NOVO™

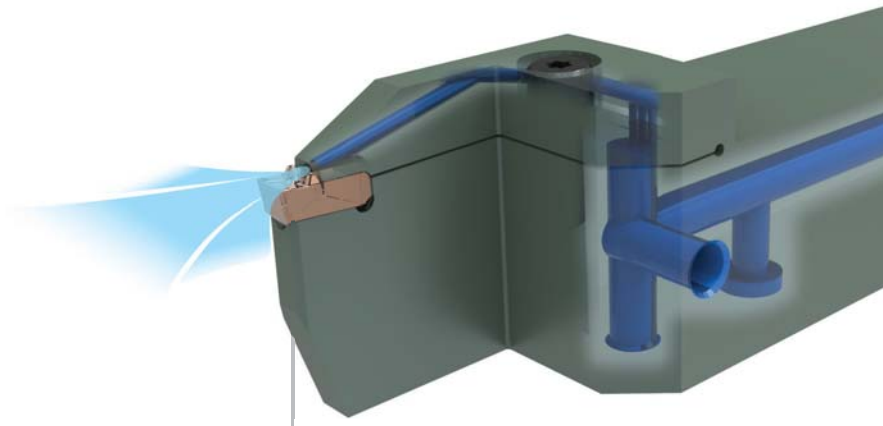
You can also use our NOVO app to guide you to the correct choice!

For more information, please visit kennametal.com/novo.

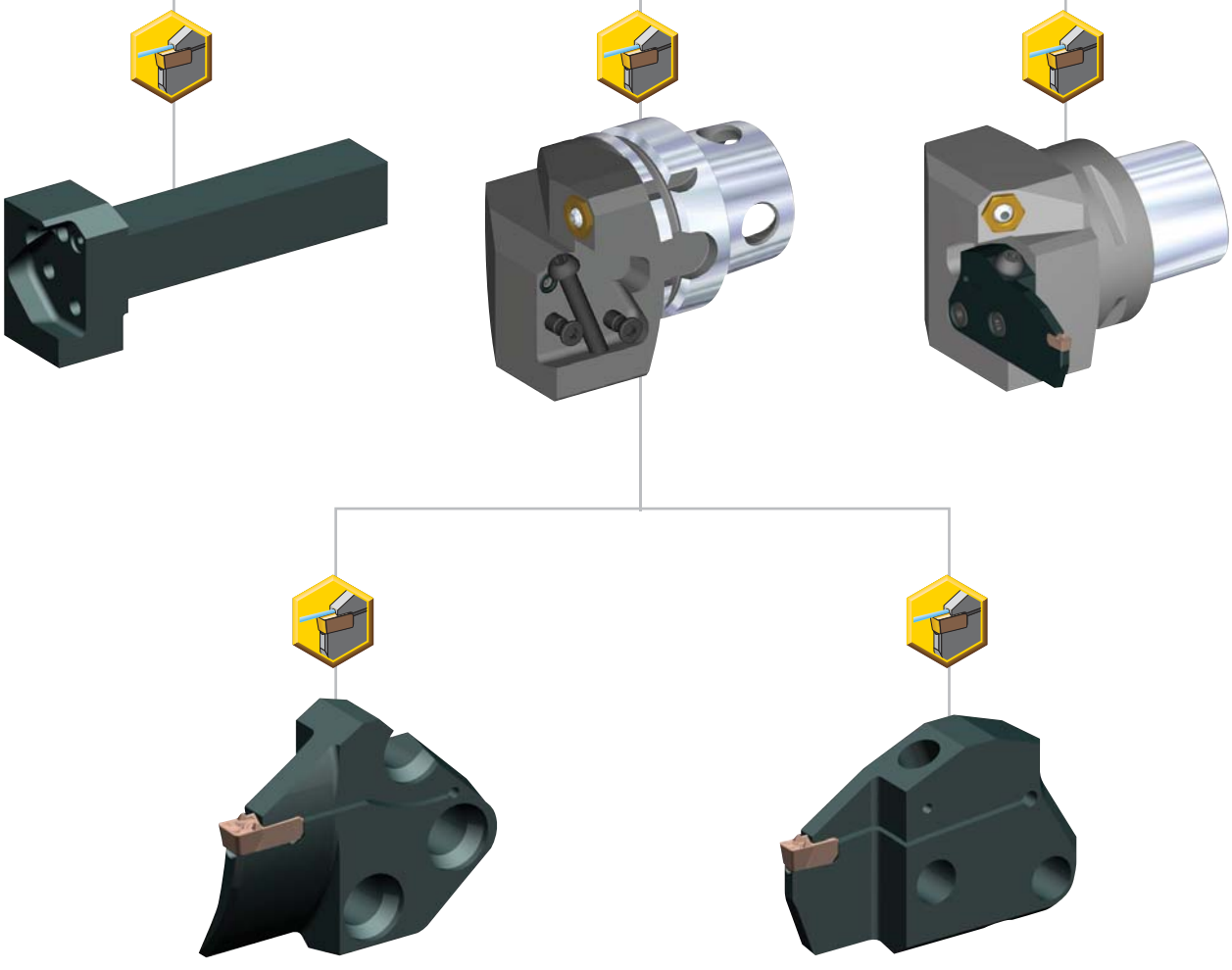
NOVO: The Digital Source for Delivering Smart Machining Solutions

Your day made **EASY** —

Efficient coolant delivery. Available in seat sizes 3 and higher.

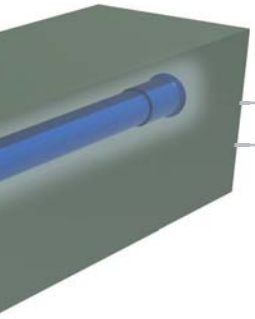


Modular with through coolant



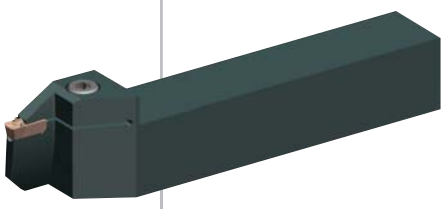
beyond™ EVOLUTION™

high-performance system.



Face grooving
with through coolant

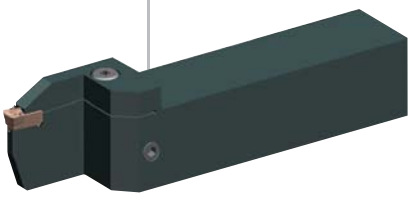
I.D. Boring Bar

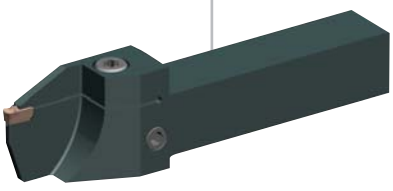




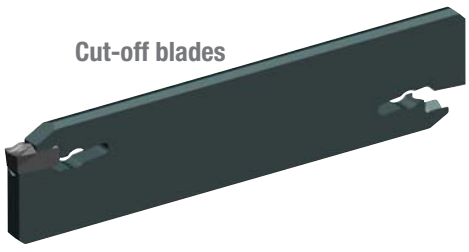


Square shank
with through coolant





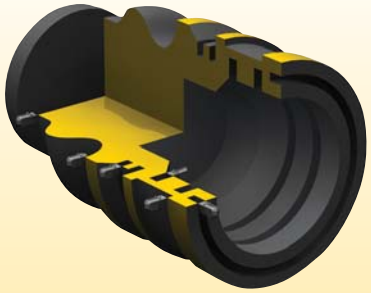
Cut-off blades



Step 1 • Identify your grooving or cut-off application

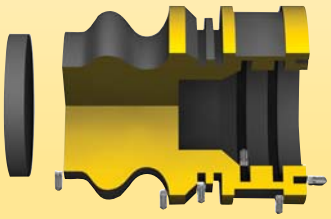
What you need to know:

- Groove depth, width, and profile.
- Material being machined.
- Application to be performed (O.D. and I.D. grooving, turning, face grooving, and cut-off).
- Shank size requirements of the machine.



General Recommendation to Select the Insert Size

for workpiece diameters	insert seat size
<25mm	3
25–50mm	4
>50mm	5–10



Step 2 • Select chipbreaker style and feed rate

Based on the application and seat size, determine the recommended geometry and starting feed rate.

Plunge feed rates

P Steel
M Stainless Steel
K Cast Iron
N Non-Ferrous
S High-Temp Alloys
H Hardened Materials

● first choice
○ alternate choice

Chip Control	Description	Insert Geometry	Seat Size	Corner Radius mm	Starting Conditions mm	Plunge Feed Rates mm/rev 0,05 0,10 0,15 0,20 0,25 0,30 0,35
-GUP	Positive rake angle for lower cutting forces.		1F	0,2	0,06	●
			2	0,2	0,08	○
			3	0,2	0,09	●
				0,4	0,11	○
			4	0,4	0,12	●
				0,8	0,15	○
			5	0,4	0,15	●
				0,8	0,16	○
			6	0,4	0,16	●
				0,8	0,18	○
				1,2	0,20	●
			8	0,8	0,20	○
				1,2	0,22	●
			10	1,2	0,24	○
-GUN	Stable negative cutting edge allowing for more aggressive applications.		1F	0,2	0,06	●
			2	0,2	0,08	○
			3	0,2	0,09	●
				0,4	0,11	○
			4	0,4	0,12	●
				0,8	0,15	○
			5	0,4	0,15	●
				0,8	0,16	○
			6	0,4	0,16	●
				0,8	0,18	○
				1,2	0,20	●
			8	0,8	0,20	○
				1,2	0,22	●
			10	1,2	0,24	○

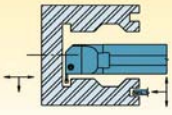
Maximum Feed Rate Values

Data above is for P and K material groups. **Maximum** feed rates should be adjusted by multiplying max feed rate values by following factors for shown material groups.

Material Group	Feed Factor
M	.8
N	1.2
S	.8
H	.5

I.D. and Face Grooving

For I.D. and face grooving applications, reduce feed rate by 20%.



Step 3 • Select the starting speed

Based on material and grade, identify starting speed (vc). First choice is in **bold** type.

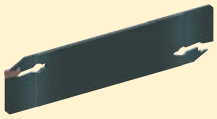
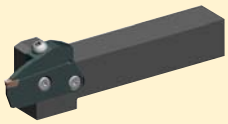
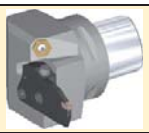
A Based on material group and grade, identify starting speed (vc).
B First choice starting speed is in **bold.**

Recommended Starting Speeds [m/min]

Material Group		K313			KCU10			KCU25			KCM35B			KCP10B			KCP25B		
																A			
P	0–1	–	–	–	140	**280**	350	110	**225**	270	90	**180**	213	185	**400**	450	145	**290**	365
	2	–	–	–	140	**200**	300	110	**160**	260	90	**130**	155	185	**270**	350	145	**200**	305
	3	–	–	–	140	**155**	245	110	**125**	235	90	**100**	155	170	**190**	260	140	**155**	245
	4	–	–	–	75	**110**	170	60	**90**	160	50	**70**	110	90	**145**	200	75	**110**	180
	5	–	–	–	120	**200**	260	100	**160**	210	80	**130**	165	150	**220**	305	120	**200**	270
	6	–	–	–	110	**150**	230	85	**120**	185	70	**100**	145	120	**180**	275	110	**150**	230
M	1	60	**90**	120	140	**210**	280	90	**170**	245	75	**120**	135	–	–	–	–	–	–
	2	45	**75**	110	120	**200**	245	90	**150**	245	75	**110**	135	–	–	B –	–	–	–
	3	35	**65**	100	120	**180**	245	90	**140**	210	75	**90**	135	–	–	–	–	–	–
K	1	30	**75**	120	120	**180**	245	100	**145**	225	–	–	–	170	**245**	440	140	**200**	360
	2	25	**70**	110	90	**150**	240	70	**120**	170	–	–	–	120	**195**	340	100	**160**	280
	3	20	**60**	90	60	**110**	150	50	**85**	120	–	–	–	120	**170**	270	100	**140**	220
	1–2	150	**370**	610	150	**550**	975	120	**440**	780	–	–	–	–	–	–	–	–	–

Step 4 • Select toolholder based on application

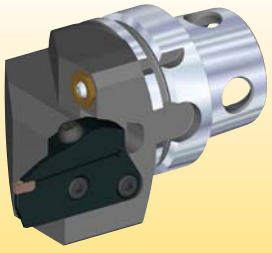
Choose the high-performance holder based on your specific grooving or cut-off application, with the corresponding seat size.

Style		Application
	**Boring Bar**	• For use in I.D. grooving applications.
	**Cut-Off Blade**	• Allows user to vary the depth of cut.
	**Toolholder — Integral**	• Offers the most stability over other styles.
	**Toolholder — Modular**	• Interchangeable blades for versatility.
	**KM™ — Modular** **KM4X™ — Modular**	• Best-in-class KM™ Quick-Change platform.
	**PSC — Modular**	• The modular system in the PSC Quick-Change platform.

Step 5 • Select the insert and holder from catalogue page

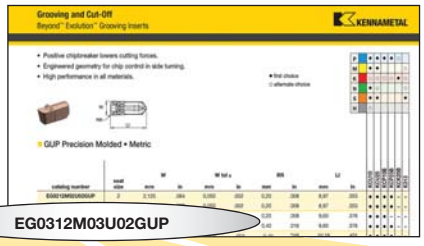
Congratulations!

You have successfully maximised your productivity by selecting the best insert geometry, grade, and cutting specifications for your application!



How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



E	G	0312	M	03	U	02	GUP
Family Name	Insert Type	Groove Width	Unit	Seat Size	Tolerance	Corner Radius	Chipbreaker/ Edge Condition
Beyond™ Evolution™	**G** = Square **R** = Full Radius	**Metric** = 1/100mm **Inch** = 1/1000"	**M** = Metric **I** = Inch		**U** = Precision Moulded **P** = Precision Ground		**GUP** = Groove-Turn Universal Positive **GUN** = Groove-Turn Universal Negative **FB** = Flat Top Blank **PB** = Positive Chip Control Blank

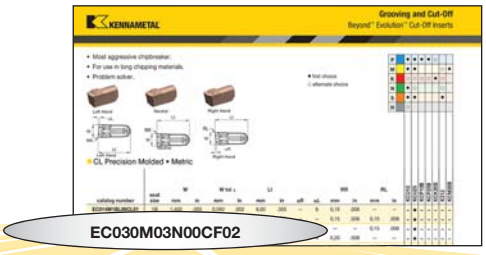
seat size	groove width	
	mm	inch
1B	1,40	.055
1F	1,60–1,99	.063–.078
02	2,00–2,99	.079–.117
03	3,00–3,99	.118–.156
04	4,00–4,99	.157–.196
05	5,00–5,99	.197–.235
06	6,00–7,99	.236–.314
08	8,00–8,99	.315–.353
10	9,00–10,12	.354–.398

*.312" = seat size 08

mm	
00	full radius
01	0,1
02	0,2
04	0,4
08	0,8
12	1,2

inch	
00	full radius
05	.008
1	.016
2	.032
3	.047

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.

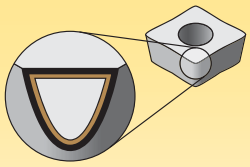


E	C	030	M	03	N	00	CF	02
Family Name	Insert Type	Cutting Edge Width	Unit	Seat Size	Hand of Insert	Approach Angle	Chipbreaker	Corner Radius
Beyond™ Evolution™	**C** = Cut-Off		**M** = Metric **I** = Inch		**N** = Neutral **L** = Left hand **R** = Right hand	**00** = Neutral **06** = 6°	**CL** = Cut-Off Low Feed **CF** = Cut-Off Fine **CM** = Cut-Off Medium **CR** = Cut-Off Rough	

Cutting Edge Width	mm	inch
014	1,4	.055
020	2,0	.079
030	3,0	.118
040	4,0	.157
050	5,0	.197
060	6,0	.236
070	7,0	.279
080	8,0	.315

Seat Size	mm	inch
1B	1,4	.055
1F	2,0	.079
02	3,0	.118
03	4,0	.157
04	5,0	.197
05	6,0	.236
06	7,0	.279
08	8,0	.315

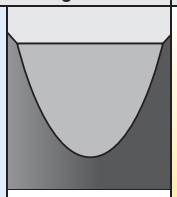
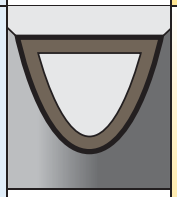
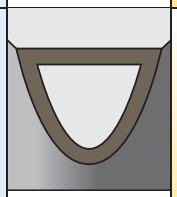
Corner Radius	mm	inch
01	0,1	.004
02	0,2	.008
04	0,4	.016

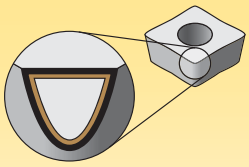


Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

Grades

Coating	Grade Description	wear resistance ← → toughness: 05	10	15	20	25	30	35	40	45
K313  —	**Composition:** A hard, low binder content, unalloyed WC/Co fine-grain grade. **Application:** Exceptional edge wear resistance combined with very high strength for machining titanium, cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and most high-temp alloys. Superior thermal deformation and depth-of-cut notch resistance. The grain structure is well controlled for minimal pits and flaws, which contributes to long, reliable service.	M: 10, 15, 20 · K: 05, 10, 15, 20 · N: 10, 15, 20 · S: 10, 15, 20								beyond
KCU10  —	**Composition:** An advanced multilayer PVD coating over a very deformation-resistant unalloyed carbide substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU10™ grade is ideal for finishing to general machining of most workpiece materials at a wide range of speed and feed capabilities. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and super alloys with improved edge toughness and higher cutting speed/feed capability.	P: 10, 15, 20 · M: 10, 15, 20 · K: 10, 15, 20 · N: 10, 15, 20 · S: 10, 15, 20 · H: 10								beyond
KCU25  —	**Composition:** An advanced PVD grade with hard AlTiN coating and fine-grain unalloyed substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU25™ grade is ideal for general machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials in a wide range of speeds and feeds with improved edge toughness for interrupted cuts and high feed rates.	P: 20, 25, 30 · M: 20, 25, 30 · K: 20, 25, 30 · N: 20, 25, 30 · S: 20, 25, 30								beyond DRIVE™

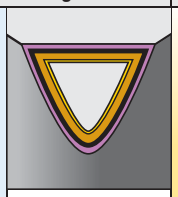
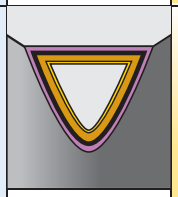
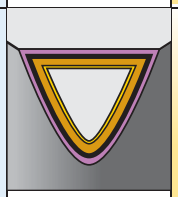
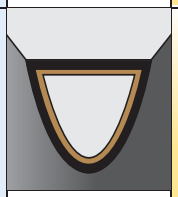


Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

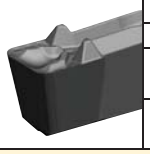
CVD-Coated Carbide Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KCP10B  —	**Composition:** A specially engineered wear-resistant carbide grade with a newly designed multilayer MTCVD-TiCN-Al_2O_3-TiOCN coating with superior interlayer adhesion. **Application:** An excellent finishing to medium machining grade for a variety of workpiece materials, including most steels, ferritic, martensitic, and PH stainless steels, and cast irons. The cobalt-enriched substrate offers a balanced combination of deformation resistance and edge toughness, while the thick coating layers offer outstanding abrasion resistance and crater wear resistance for high-speed machining. Smooth coating provides resistance to edge build-up and microchipping and produces excellent surface finishes.	P									
		K								
	beyond DRIVE™									
KCP25B  —	**Composition:** A tough cobalt-enriched carbide grade with a newly designed multilayer MTCVD-TiCN-Al_2O_3-TiOCN coating with superior interlayer adhesion. **Application:** Best general-purpose turning grade for most steels and ferritic and martensitic stainless steels. The substrate design ensures adequate deformation resistance with excellent insert edge strength. Coating layers offer good wear resistance over a wide range of machining conditions and the post-coat treatment minimises microchipping and improves coating adhesion to substrate leading to long tool life and improved workpiece finishes.	P									
		K								
	beyond DRIVE™									
KCK20B  —	**Composition:** A multilayered coating with thick MTCVD TiCN-Al_2O_3-TiOCN layers applied over a carbide substrate specifically engineered for cast irons. **Application:** Delivers consistent performance in high-speed machining of grey and ductile irons. The substrate design permits the insert to stay in the cut for a long time at high speeds with minimum deformation. The thick CVD coating and post-coat treatment provide superior wear resistance ensuring long and consistent tool life. Can be applied both in straight and lightly interrupted cuts.	P									
		K								
	beyond DRIVE™									
KCM35B  —	**Composition:** A multilayer TiN-MT-TiCN-Al_2O_3-TiOCN CVD coating over a super-tough substrate. **Application:** KCM35B is an excellent general purpose to roughing grade for machining stainless steels and roughing steels in turning and cut-off applications. The substrate provides improved toughness while the coating layers offer improved abrasion resistance and dependability at high cutting temperatures, along with wear identification. The polished surface improves edge toughness and provides a smooth outer surface to reduce forces and resist workpiece build-up on the cutting edge even at low cutting speeds. The grade is available in multiple sizes and geometries appropriate for increased feeds and large depths of cut.	P									
		M								
		S								
	beyond DRIVE™									

Select the geometry

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

● first choice
○ alternate choice

Chip Control	Description	Insert Geometry	Seat Size	Corner Radius in (mm)	Starting Conditions in (mm)	Plunge Feed Rates inch/rev (mm/rev) .0020 (0,05)	.0040 (0,10)	.0060 (0,15)	.0080 (0,20)	.0100 (0,25)	.0120 (0,30)
-GUP	Positive rake angle for lower cutting forces.		1F	.008 (0,2)	.0024 (0,06)						
			2	.008 (0,2)	.0031 (0,08)						
			3	.008 (0,2)	.0035 (0,09)						
				.016 (0,4)	.0043 (0,11)						
			4	.016 (0,4)	.0047 (0,12)						
				.031 (0,8)	.0059 (0,15)						

Pictorial View of Insert

Corner Radius

Recommended Starting Feed Rate

Plunge Feed Rates

Seat Size

Recommended Feed Rate Range

Primary Workpiece Material Group

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

● first choice
○ alternate choice

Chip Control Geometry Designation

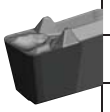
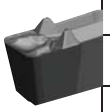
Maximum Feed Rate Values

	Material Group	Feed Factor
Data above is for P and K material groups. **Maximum** feed rates should be adjusted by multiplying max feed rate values by following factors for shown material groups.	M	.8
	N	1.2
	S	.8
	H	.5

Plunge feed rates

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

● first choice
○ alternate choice

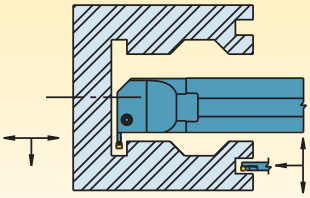
Chip Control	Description	Insert Geometry	Seat Size	Corner Radius mm	Starting Conditions mm	Plunge Feed Rates mm/rev 0,05 0,10 0,15 0,20 0,25 0,30 0,35
-GUP	Positive rake angle for lower cutting forces.		1F	0,2	0,06	
			2	0,2	0,08	
			3	0,2	0,09	
				0,4	0,11	
			4	0,4	0,12	
				0,8	0,15	
			5	0,4	0,15	
				0,8	0,16	
			6	0,4	0,16	
				0,8	0,18	
				1,2	0,20	
			8	0,8	0,20	
				1,2	0,22	
			10	1,2	0,24	
-GUN	Stable negative cutting edge allowing for more aggressive applications.		1F	0,2	0,06	
			2	0,2	0,08	
			3	0,2	0,09	
				0,4	0,11	
			4	0,4	0,12	
				0,8	0,15	
			5	0,4	0,15	
				0,8	0,16	
			6	0,4	0,16	
				0,8	0,18	
				1,2	0,20	
			8	0,8	0,20	
				1,2	0,22	
			10	1,2	0,24	

Maximum Feed Rate Values

	Material Group	Feed Factor
Data above is for P and K material groups. **Maximum** feed rates should be adjusted by multiplying max feed rate values by following factors for shown material groups.	M	.8
	N	1.2
	S	.8
	H	.5

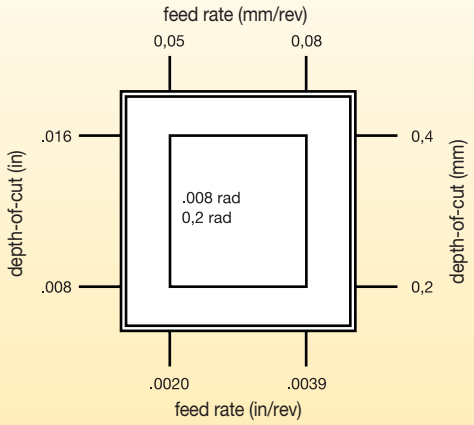
I.D. and Face Grooving

For I.D. and face grooving applications, reduce feed rate by 20%.

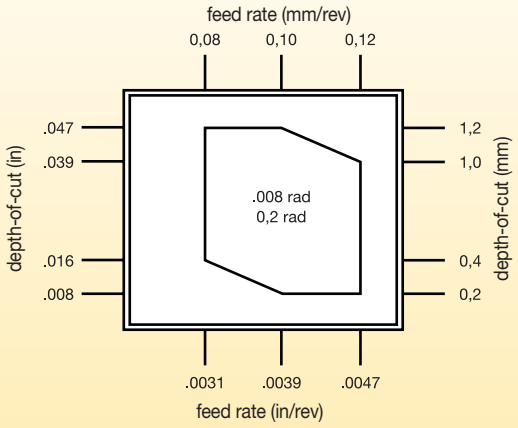


Turn and profile feed rates

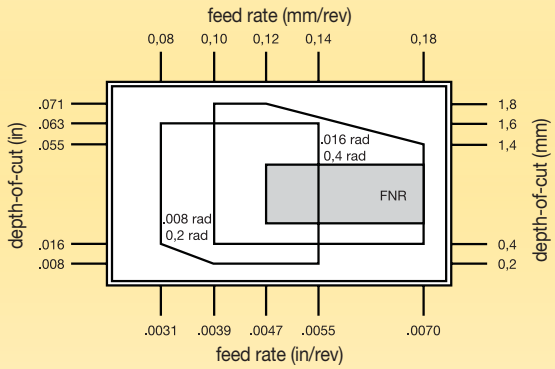
Seat Size 1F



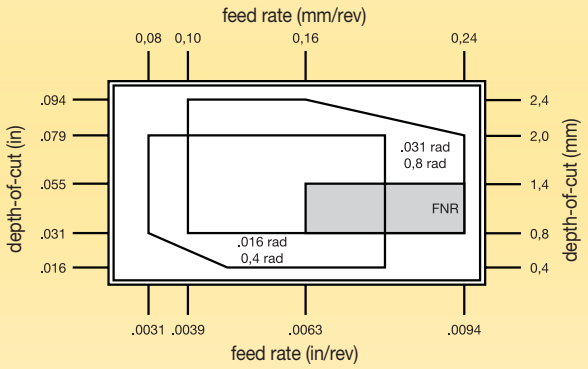
Seat Size 2



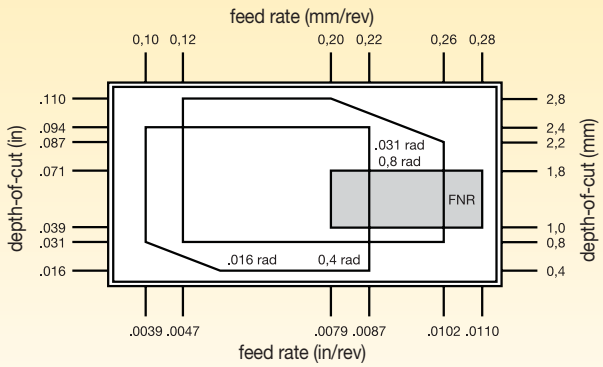
Seat Size 3



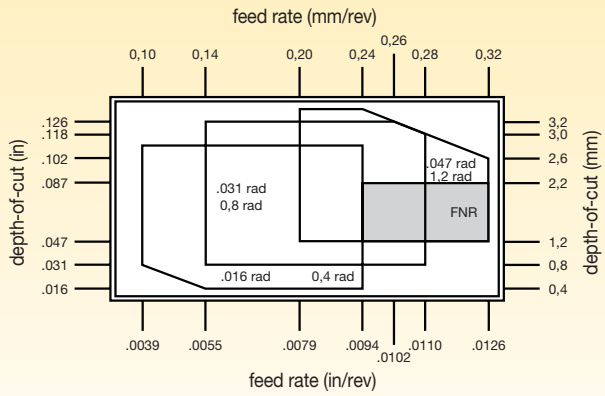
Seat Size 4



Seat Size 5



Seat Size 6

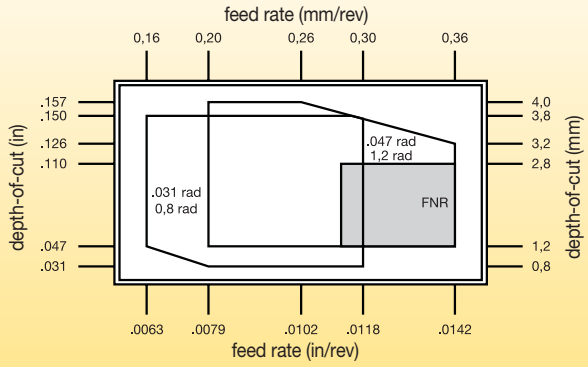


* **FNR** = Full Nose Radius

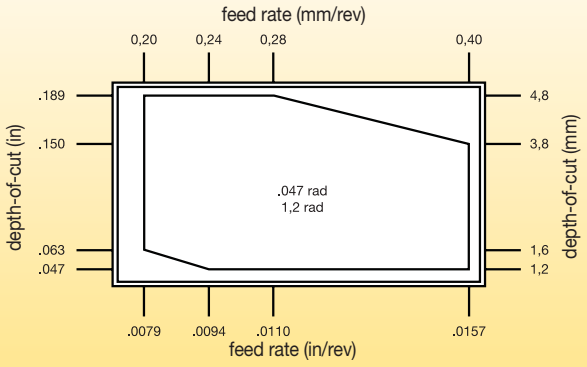
(continued)

(Turn and profile feed rates — continued)

Seat Size 8



Seat Size 10

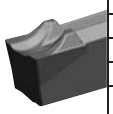
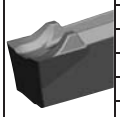
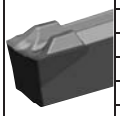
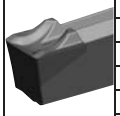


Cut-Off Feed Rates

Plunge feed rates

● first choice
○ alternate choice

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

Geometry	Description	Insert Geometry	Seat Size	Starting Conditions mm	Cut-Off Feed Rates mm/rev
-CL	Aggressive geometry for hard to break chips.		1B	0,06	
			2	0,07	
			3	0,08	
			4	0,09	
-CF	Positive geometry for reduced cutting forces.		1B	0,06	
			2	0,07	
			3	0,09	
			4	0,11	
			5	0,13	
-CM	Stable cutting edge for aggressive feed rates. Primarily in cast iron.		1B	0,06	
			2	0,07	
			3	0,09	
			4	0,11	
			5	0,14	
			6	0,16	
			8	0,14	
-CR	Most stable cutting edge for steel.		2	0,10	
			3	0,14	
			4	0,16	
			5	0,19	
			6	0,21	
			8	0,23	

NOTE: For cut-off inserts with a lead angle, maximum feed rate should be reduced by up to 40%.

Maximum Feed Rate Values

Data above is for P and K material groups. **Maximum** feed rates should be adjusted by multiplying max feed rate values by following factors for shown material groups.

Material Group	Feed Factor
M	.8
N	1.2
S	.8
H	.5

Recommended Starting Speeds [m/min]

Material Group		K313			KCU10			KCU25			KCM35B			KCP10B			KCP25B			KCK20B		
P	0–1	–	–	–	140	**280**	350	110	**225**	270	90	**180**	213	185	**400**	450	145	**290**	365	200	**440**	490
	2	–	–	–	140	**200**	300	110	**160**	260	90	**130**	155	185	**270**	350	145	**200**	305	200	**300**	380
	3	–	–	–	140	**155**	245	110	**125**	235	90	**100**	155	170	**190**	260	140	**155**	245	600	**200**	280
	4	–	–	–	75	**110**	170	60	**90**	160	50	**70**	110	90	**145**	200	75	**110**	180	100	**160**	220
	5	–	–	–	120	**200**	260	100	**160**	210	80	**130**	165	150	**220**	305	120	**200**	270	165	**240**	330
	6	–	–	–	110	**150**	230	85	**120**	185	70	**100**	145	120	**180**	275	110	**150**	230	130	**190**	300
M	1	60	**90**	120	140	**210**	280	90	**170**	245	75	**120**	135	–	–	–	–	–	–	–	–	–
	2	45	**75**	110	120	**200**	245	90	**150**	245	75	**110**	135	–	–	–	–	–	–	–	–	–
	3	35	**65**	100	120	**180**	245	90	**140**	210	75	**90**	135	–	–	–	–	–	–	–	–	–
K	1	30	**75**	120	120	**180**	245	100	**145**	225	–	–	–	170	**245**	440	140	**200**	360	210	**305**	550
	2	25	**70**	110	90	**150**	240	70	**120**	170	–	–	–	120	**195**	340	100	**160**	280	150	**245**	430
	3	20	**60**	90	60	**110**	150	50	**85**	120	–	–	–	120	**170**	270	100	**140**	220	150	**210**	335
N	1–2	150	**370**	610	150	**550**	975	120	**440**	780	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4	120	**275**	430	120	**365**	700	100	**290**	490	–	–	–	–	–	–	–	–	–	–	–	–
	5	45	**90**	150	90	**170**	245	70	**135**	195	–	–	–	–	–	–	–	–	–	–	–	–
	6	40	**75**	150	120	**210**	305	100	**170**	245	–	–	–	–	–	–	–	–	–	–	–	–
S	1	8	**30**	75	15	**55**	135	8	**40**	60	8	**35**	60	–	–	–	–	–	–	–	–	–
	2	8	**35**	75	15	**60**	135	8	**30**	75	8	**30**	60	–	–	–	–	–	–	–	–	–
	3	8	**40**	75	15	**70**	150	15	**40**	75	15	**35**	60	–	–	–	–	–	–	–	–	–
	4	8	**45**	75	15	**70**	170	8	**50**	110	15	**45**	90	–	–	–	–	–	–	–	–	–
H	1	–	–	–	30	**45**	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	2	–	–	–	15	**30**	45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

NOTE: FIRST choice starting speeds are in **bold** type.
As the average chip thickness increases, the speed should be decreased.

Mobile Apps

The Kennametal mobile app provides easy access to product information and calculators on both iPhone® and Android™ devices. We've highlighted a few of the key features...

There's an app for that.

SPEEDS & FEEDS

View speeds and feeds information for metalworking products.

PRODUCT AVAILABILITY

Check global availability of products. View available quantities by providing your Konnect login credentials.

CALCULATORS

Utilise our machining calculators for milling and drilling applications.



By just scanning the bar code on the insert packet, you can find the most productive cutting conditions for tool life, process time, and chip control.

NOTE: The app is currently only available in the English-language version. We have plans to translate the app in different languages with future releases.

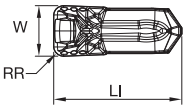
Google play | Available on the App Store

- Positive chipbreaker lowers cutting forces.
- Engineered geometry for chip control in side turning.
- High performance in all materials.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						





GUP Precision Moulded • Metric

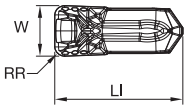
catalogue number	seat size	W	W tol ±	RR	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EG0212M02U02GUP	2	2,125	0,050	0,20	8,97	●	●	●	●	–	–	–
EG0251M02U02GUP	2	2,511	0,050	0,20	8,97	●	●	●	●	–	–	–
EG0312M03U02GUP	3	3,125	0,075	0,20	9,60	●	●	●	–	–	–	–
EG0312M03U04GUP	3	3,125	0,075	0,40	9,60	●	●	●	●	–	–	–
EG0412M04U04GUP	4	4,125	0,075	0,40	10,19	●	●	●	●	–	–	–
EG0412M04U08GUP	4	4,125	0,075	0,80	10,19	●	●	●	●	–	–	–
EG0512M05U04GUP	5	5,125	0,075	0,40	12,25	●	●	●	●	–	–	–
EG0512M05U08GUP	5	5,125	0,075	0,80	12,25	●	●	●	●	–	–	–
EG0612M06U04GUP	6	6,125	0,075	0,40	14,60	●	●	●	●	–	–	–
EG0612M06U08GUP	6	6,125	0,075	0,80	14,60	●	●	●	●	–	–	–
EG0712M06U08GUP	6	7,125	0,075	0,80	14,60	●	●	●	●	–	–	–
EG0812M08U08GUP	8	8,125	0,075	0,80	17,47	●	●	●	●	–	–	–
EG0812M08U12GUP	8	8,125	0,075	1,18	17,45	●	●	●	●	–	–	–
EG1012M10U12GUP	10	10,125	0,075	1,20	20,80	●	●	●	●	–	–	–

- Positive chipbreaker lowers cutting forces.
- Engineered geometry for chip control in side turning.
- High performance in all materials.
- More precise widths and better repeatability.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						





GUP Precision Ground • Metric

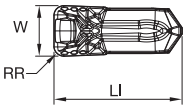
catalogue number	seat size	W	W tol ±	RR	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EG0200M02P02GUP	2	2,000	0,025	0,20	8,80	●	●	–	–	–	–	●
EG0300M03P02GUP	3	3,000	0,025	0,20	9,40	●	●	–	–	–	–	●
EG0300M03P04GUP	3	3,000	0,025	0,40	9,60	●	●	–	–	–	–	●
EG0400M04P04GUP	4	4,000	0,025	0,40	10,10	●	●	–	–	–	–	●
EG0400M04P08GUP	4	4,000	0,025	0,80	10,10	●	●	–	–	–	–	●
EG0500M05P04GUP	5	5,000	0,025	0,40	12,20	●	●	–	–	–	–	●
EG0500M05P08GUP	5	5,000	0,025	0,80	12,20	●	●	–	–	–	–	●
EG0600M06P04GUP	6	6,000	0,025	0,40	14,50	●	●	–	–	–	–	●
EG0600M06P08GUP	6	6,000	0,025	0,80	14,50	●	●	–	–	–	–	●
EG0700M06P08GUP	6	7,000	0,025	0,80	14,50	●	●	–	–	–	–	●
EG0800M08P08GUP	8	8,000	0,025	0,80	17,40	●	●	–	–	–	–	●
EG0800M08P12GUP	8	8,000	0,025	1,20	17,40	●	●	–	–	–	–	●
EG1000M10P12GUP	10	10,000	0,025	1,20	20,70	●	●	–	–	–	–	●

- Positive chipbreaker lowers cutting forces.
- Engineered geometry for chip control in side turning.
- High performance in all materials.

● first choice
○ alternate choice

P	●	●	●	●	○			
M	●	●				●	○	
K	○	○	○	○	●		○	
N	●	○					●	
S	●	●					●	
H	○							





GUP Precision Moulded • Inch

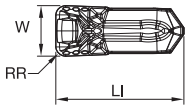
catalogue number	seat size	W	W tol ±	RR	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EG130I03U05GUP	3	3,301	0,075	0,20	9,60	●	●	●	●	–	–	–
EG130I03U1GUP	3	3,301	0,075	0,40	9,60	●	●	●	●	–	–	–
EG192I04U1GUP	4	4,877	0,075	0,40	10,19	●	●	●	●	–	–	–
EG192I04U2GUP	4	4,877	0,075	0,79	10,19	●	●	●	●	–	–	–
EG255I06U1GUP	6	6,478	0,075	0,40	14,58	●	●	●	●	–	–	–
EG255I06U2GUP	6	6,478	0,075	0,80	14,58	●	●	●	●	–	–	–
EG317I08U3GUP	8	8,051	0,075	1,19	17,46	●	●	●	●	–	–	–
EG380I10U3GUP	10	9,651	0,075	1,19	20,80	●	●	●	●	–	–	–

- Positive chipbreaker lowers cutting forces.
- Engineered geometry for chip control in side turning.
- High performance in all materials.
- More precise widths and better repeatability.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						



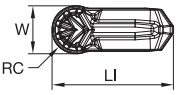


GUP Precision Ground • Inch

catalogue number	seat size	W	W tol ±	RR	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EG063I1FP05GUP	1F	1,600	0,025	0,20	9,00	●	●	–	–	–	–	●
EG094I02P05GUP	2	2,388	0,025	0,20	8,88	●	●	–	–	–	–	●
EG125I03P05GUP	3	3,175	0,025	0,20	9,40	●	●	–	–	–	–	●
EG125I03P1GUP	3	3,175	0,025	0,40	9,40	●	●	–	–	–	–	●
EG187I04P1GUP	4	4,760	0,025	0,40	10,10	●	●	–	–	–	–	●
EG187I04P2GUP	4	4,762	0,025	0,79	10,10	●	●	–	–	–	–	●
EG250I06P1GUP	6	6,350	0,025	0,40	14,50	●	●	–	–	–	–	●
EG250I06P2GUP	6	6,350	0,025	0,80	14,50	●	●	–	–	–	–	●
EG312I08P3GUP	8	7,920	0,025	1,20	17,40	●	●	–	–	–	–	●
EG375I10P3GUP	10	9,525	0,025	1,20	20,70	●	●	–	–	–	–	●

- First choice in profiling.
- >180° cutting edge.
- High performance in all materials.





GUP Full Radius Precision Moulded • Metric

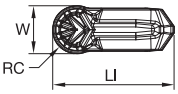
catalogue number	seat size	W	W tol ±	RC	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
ER0312M03U00GUP	3	3,125	0,075	1,560	9,60	●	●	●	●	–	–	–
ER0412M04U00GUP	4	4,125	0,075	2,060	10,20	●	●	●	●	–	–	–
ER0512M05U00GUP	5	5,125	0,075	2,560	12,20	●	●	●	●	–	–	–
ER0612M06U00GUP	6	6,125	0,075	3,060	14,60	●	●	●	●	–	–	–
ER0812M08U00GUP	8	8,125	0,075	4,060	17,50	●	●	●	●	–	–	–

- First choice in profiling.
- >180° cutting edge.
- High performance in all materials.
- More precise widths and better repeatability.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						



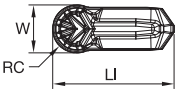


GUP Full Radius Precision Ground • Metric

catalogue number	seat size	W	W tol ±	RC	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
ER0300M03P00GUP	3	3,000	0,025	1,500	9,50	●	●	–	–	–	–	●
ER0400M04P00GUP	4	4,000	0,025	2,000	10,10	●	●	–	–	–	–	●
ER0500M05P00GUP	5	5,000	0,025	2,500	12,20	●	●	–	–	–	–	●
ER0600M06P00GUP	6	6,000	0,025	3,000	14,50	●	●	–	–	–	–	●
ER0800M08P00GUP	8	8,000	0,025	4,000	17,40	●	●	–	–	–	–	●

- First choice in profiling.
- >180° cutting edge.
- High performance in all materials.





GUP Full Radius Precision Moulded • Inch

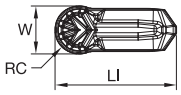
catalogue number	seat size	W	W tol ±	RC	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
ER130I03U00GUP	3	3,302	0,075	1,650	9,60	●	●	●	●	–	–	–
ER192I04U00GUP	4	4,878	0,075	2,440	10,20	●	●	●	●	–	–	–
ER255I06U00GUP	6	6,478	0,075	3,240	14,60	●	●	●	●	–	–	–
ER317I08U00GUP	8	8,052	0,075	4,030	17,50	●	●	●	●	–	–	–

- First choice in profiling.
- >180° cutting edge.
- High performance in all materials.
- More precise widths and better repeatability.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						



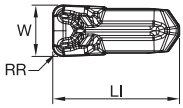


GUP Full Radius Precision Ground • Inch

catalogue number	seat size	W	W tol ±	RC	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
ER125I03P00GUP	3	3,175	0,025	1,590	9,50	●	●	–	–	–	–	●
ER187I04P00GUP	4	4,762	0,025	2,380	10,10	●	●	–	–	–	–	●
ER250I06P00GUP	6	6,350	0,025	3,170	14,50	●	●	–	–	–	–	●
ER312I08P00GUP	8	7,920	0,025	3,960	17,40	●	●	–	–	–	–	●

- Negative rake face for strongest cutting edge.
- More aggressive applications.
- Advantages in low-feed and depth-of-cut applications.





GUN Precision Moulded • Metric

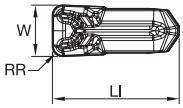
catalogue number	seat size	W	W tol ±	RR	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EG0212M02U02GUN	2	2,125	0,050	0,20	8,97	●	●	●	●	●	–	–
EG0251M02U02GUN	2	2,510	0,050	0,20	8,97	●	●	●	●	●	–	–
EG0312M03U02GUN	3	3,125	0,075	0,20	9,60	●	●	●	●	●	–	–
EG0312M03U04GUN	3	3,125	0,075	0,40	9,60	●	●	●	●	●	–	–
EG0412M04U04GUN	4	4,125	0,075	0,40	10,19	●	●	●	●	●	–	–
EG0412M04U08GUN	4	4,125	0,075	0,80	10,19	●	●	●	●	●	–	–
EG0512M05U04GUN	5	5,125	0,075	0,40	12,20	●	●	●	●	●	–	–
EG0512M05U08GUN	5	5,125	0,075	0,80	12,20	●	●	●	●	●	–	–
EG0612M06U04GUN	6	6,125	0,075	0,40	14,60	●	●	●	–	●	–	–
EG0612M06U08GUN	6	6,125	0,075	0,80	14,60	●	●	–	●	●	–	–
EG0812M08U08GUN	8	8,125	0,075	0,80	17,50	●	●	●	●	●	–	–
EG0812M08U12GUN	8	8,125	0,075	1,20	17,50	●	●	●	●	●	–	–
EG1012M10U12GUN	10	10,125	0,075	1,20	20,80	●	●	●	●	●	–	–

- Negative rake face for strongest cutting edge.
- More aggressive applications.
- Advantages in low-feed and depth-of-cut applications.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						



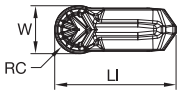


GUN Precision Moulded • Inch

catalogue number	seat size	W	W tol ±	RR	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EG063I1FU05GUN	1F	1,600	0,050	0,20	9,00	●	●	●	●	●	–	–
EG130I03U05GUN	3	3,302	0,075	0,20	9,60	●	●	●	●	●	–	–
EG130I03U1GUN	3	3,302	0,075	0,40	9,60	●	●	●	●	●	–	–
EG192I04U1GUN	4	4,877	0,075	0,40	10,19	●	●	●	●	●	–	–
EG192I04U2GUN	4	4,878	0,075	0,79	10,19	●	●	●	●	●	–	–
EG255I06U1GUN	6	6,477	0,075	0,40	14,58	●	●	●	●	●	–	–
EG255I06U2GUN	6	6,477	0,075	0,80	14,58	●	●	●	●	●	–	–
EG317I08U3GUN	8	8,052	0,075	1,19	17,46	●	●	●	●	●	–	–
EG380I10U3GUN	10	9,651	0,075	1,20	20,80	●	●	●	●	●	–	–

- Negative rake face for strongest cutting edge.
- First choice in profiling.
- >180° cutting edge.
- High performance in all materials.





GUN Full Radius Precision Moulded • Metric

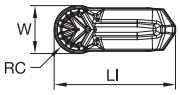
catalogue number	seat size	W	W tol ±	RC	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
ER0312M03U00GUN	3	3,125	0,075	1,560	9,60	●	●	●	●	●	–	–
ER0412M04U00GUN	4	4,125	0,075	2,060	10,20	●	●	●	●	●	–	–
ER0512M05U00GUN	5	5,125	0,075	2,560	12,20	●	●	●	●	●	–	–
ER0612M06U00GUN	6	6,125	0,075	3,060	14,60	●	●	●	●	●	–	–
ER0812M08U00GUN	8	8,125	0,075	4,060	17,47	●	●	●	●	●	–	–

- Negative rake face for strongest cutting edge.
- First choice in profiling.
- >180° cutting edge.
- High performance in all materials.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						





GUN Full Radius Precision Moulded • Inch

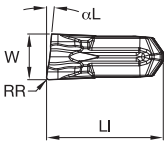
catalogue number	seat size	W	W tol ±	RC	LI	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
ER094I02U00GUN	2	2,387	0,050	1,190	8,97	●	●	●	●	●	–	–
ER125I03U00GUN	3	3,177	0,075	1,590	9,60	●	●	●	●	●	–	–
ER130I03U00GUN	3	3,300	0,075	1,650	9,60	●	●	●	●	●	–	–
ER187I04U00GUN	4	4,750	0,075	2,370	10,20	●	●	●	●	●	–	–
ER192I04U00GUN	4	4,873	0,075	2,440	10,20	●	●	●	●	●	–	–
ER250I06U00GUN	6	6,346	0,075	3,170	14,60	●	●	●	●	●	–	–
ER255I06U00GUN	6	6,473	0,075	3,240	14,60	●	●	●	●	●	–	–
ER312I08U00GUN	8	7,925	0,075	3,960	17,50	●	●	●	●	●	–	–
ER317I08U00GUN	8	8,052	0,075	4,030	17,50	●	●	●	●	●	–	–

- Positive chipbreaker lowers cutting forces.
- First choice for steel and stainless steel.
- Excellent surface finish.

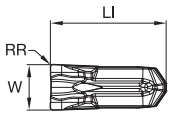

Left Hand


Neutral

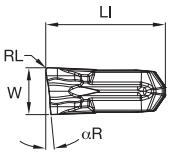

Right Hand



Left Hand



Neutral



Right Hand

CF Precision Moulded • Metric

catalogue number	seat size	W	W tol ±	LI	αR	αL	RR	RL	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EC014M1BL06CF01	1B	1,404	0,050	9,00	–	6	0,15	–	–	●	–	–	–	●	–
EC014M1BN00CF01	1B	1,400	0,050	9,00	–	–	0,15	0,15	–	●	–	–	–	●	–
EC014M1BR06CF01	1B	1,404	0,050	9,00	6	–	–	0,15	–	●	–	–	–	●	–
EC020M02L06CF02	2	2,000	0,050	8,97	–	6	0,20	–	–	●	–	–	–	●	–
EC020M02N00CF02	2	2,000	0,050	8,97	–	–	0,20	0,20	–	●	–	–	–	●	–
EC020M02R06CF02	2	2,000	0,050	8,97	6	–	–	0,20	–	●	–	–	–	●	–
EC030M03L06CF02	3	3,000	0,075	9,60	–	6	0,20	–	–	●	–	–	–	●	–
EC030M03N00CF02	3	3,000	0,075	9,60	–	–	0,20	0,20	–	●	–	–	–	●	–
EC030M03R06CF02	3	3,000	0,075	9,60	6	–	–	0,20	–	●	–	–	–	●	–
EC040M04L06CF02	4	4,000	0,075	10,19	–	6	0,20	–	–	●	–	–	–	●	–
EC040M04N00CF02	4	4,000	0,075	10,19	–	–	0,20	0,20	–	●	–	–	–	●	–
EC040M04R06CF02	4	4,000	0,075	10,19	6	–	–	0,20	–	●	–	–	–	●	–
EC050M05N00CF03	5	5,000	0,075	12,20	–	–	0,30	0,30	–	●	–	–	–	●	–

- Most aggressive chipbreaker.
- For use in long chipping materials.
- Problem solver.

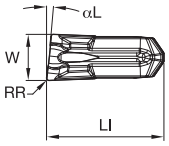
● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						

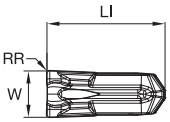

Left Hand


Neutral

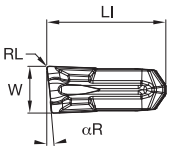

Right Hand



Left Hand



Neutral



Right Hand

CL Precision Moulded • Metric

catalogue number	seat size	W	W tol ±	LI	αR	αL	RR	RL	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EC014M1BL06CL01	1B	1,400	0,050	9,00	–	6	0,15	–	–	●	–	–	–	●	–
EC014M1BN00CL01	1B	1,400	0,050	9,00	–	–	0,15	0,15	–	●	–	–	–	●	–
EC014M1BR06CL01	1B	1,400	0,050	9,00	6	–	–	0,15	–	●	–	–	–	●	–
EC020M02L06CL02	2	2,000	0,050	8,96	–	6	0,20	–	–	●	–	–	–	●	–
EC020M02N00CL02	2	2,000	0,050	8,97	–	–	0,20	0,20	–	●	–	–	–	●	–
EC020M02R06CL02	2	2,000	0,050	8,96	6	–	–	0,20	–	●	–	–	–	●	–
EC030M03L06CL02	3	3,000	0,075	9,59	–	6	0,20	–	–	●	–	–	–	●	–
EC030M03N00CL02	3	3,000	0,075	9,60	–	–	0,20	0,20	–	●	–	–	–	●	–
EC030M03R06CL02	3	3,000	0,075	9,59	6	–	–	0,20	–	●	–	–	–	●	–
EC040M04L06CL02	4	4,000	0,075	10,19	–	6	0,20	–	–	●	–	–	–	–	–
EC040M04N00CL02	4	4,000	0,075	10,20	–	–	0,20	0,20	–	●	–	–	–	●	–
EC040M04R06CL02	4	4,000	0,075	10,19	6	–	–	0,20	–	●	–	–	–	–	–

- Ultimate solution in edge stability.
- Leverage for interrupted cuts or hardened skin.
- First choice for cast iron.

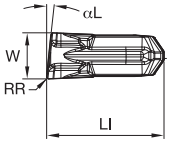
● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						

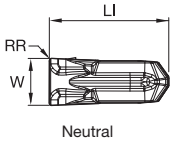

Left Hand


Neutral

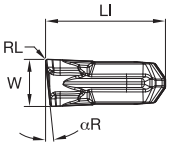

Right Hand



Left Hand



Neutral



Right Hand

CM Precision Moulded • Metric

catalogue number	seat size	W	W tol ±	LI	αR	αL	RR	RL	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EC014M1BL06CM01	1B	1,400	0,050	9,00	–	6	0,20	–	–	●	–	–	–	–	–
EC014M1BN00CM01	1B	1,400	0,050	9,00	–	–	0,15	0,15	–	●	–	–	–	–	–
EC014M1BR06CM01	1B	1,400	0,050	9,00	6	–	–	0,20	–	●	–	–	–	–	–
EC020M02L06CM02	2	2,000	0,050	9,00	–	6	0,20	–	–	●	–	–	–	–	–
EC020M02N00CM02	2	2,000	0,050	8,98	–	–	0,20	0,20	–	●	–	–	–	–	–
EC020M02R06CM02	2	2,000	0,050	9,00	6	–	–	0,20	–	●	–	–	–	–	–
EC030M03L06CM02	3	3,000	0,075	9,60	–	6	0,20	–	–	●	–	–	–	–	–
EC030M03N00CM02	3	3,000	0,075	9,60	–	–	0,20	0,20	–	●	–	–	–	–	–
EC030M03R06CM02	3	3,000	0,075	9,60	6	–	–	0,20	–	●	–	–	–	–	–
EC040M04L06CM02	4	4,000	0,075	10,20	–	6	0,20	–	–	●	–	–	–	–	–
EC040M04N00CM02	4	4,000	0,075	10,20	–	–	0,20	0,20	–	●	–	–	–	–	–
EC040M04R06CM02	4	4,000	0,075	10,20	6	–	–	0,20	–	●	–	–	–	–	–
EC050M05N00CM03	5	5,000	0,075	12,20	–	–	0,30	0,30	–	●	–	–	–	–	–
EC060M06N00CM03	6	6,000	0,075	14,59	–	–	0,30	0,30	–	●	–	–	–	–	–
EC070M06N00CM04	6	7,000	0,075	14,60	–	–	0,40	0,40	–	●	–	–	–	–	–
EC080M08N00CM04	8	8,000	0,075	17,50	–	–	0,40	0,40	–	●	–	–	–	–	–

- Strong chip control due to concave edge.
- First choice in steel when additional stability is required.
- Can apply most aggressive speed rates.

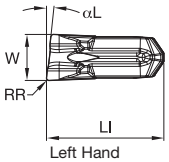
● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
P		●	●	●	●	○		
M		●	●				●	○
K		○	○	○	○	●		○
N		●	○					●
S		●	●					●
H		○						

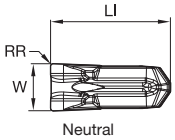

Left Hand


Neutral

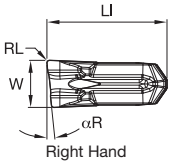

Right Hand



Left Hand



Neutral



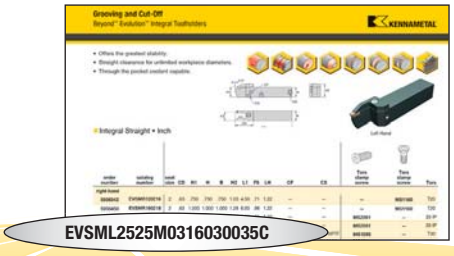
Right Hand

CR Precision Moulded • Metric

catalogue number	seat size	W	W tol ±	LI	αR	αL	RR	RL	KCU10	KCU25	KCP10B	KCP25B	KCK20B	KCM35B	K313
EC020M02L06CR02	2	2,000	0,050	9,00	–	6	0,20	–	–	●	–	–	–	–	–
EC020M02N00CR02	2	2,000	0,050	8,98	–	–	0,20	0,20	–	●	–	–	–	–	–
EC020M02R06CR02	2	2,000	0,050	9,00	6	–	–	0,20	–	●	–	–	–	–	–
EC030M03L06CR02	3	3,000	0,075	9,60	–	6	0,20	–	–	●	–	–	–	–	–
EC030M03N00CR02	3	3,000	0,075	9,60	–	–	0,20	0,20	–	●	–	–	–	–	–
EC030M03R06CR02	3	3,000	0,075	9,60	6	–	–	0,20	–	●	–	–	–	–	–
EC040M04L06CR02	4	4,000	0,075	10,20	–	6	0,20	–	–	●	–	–	–	–	–
EC040M04N00CR02	4	4,000	0,075	10,20	–	–	0,20	0,20	–	●	–	–	–	–	–
EC040M04R06CR02	4	4,000	0,075	10,20	6	–	–	0,20	–	●	–	–	–	–	–
EC050M05N00CR03	5	5,000	0,075	12,25	–	–	0,30	0,30	–	●	–	–	–	–	–
EC060M06L06CR04	6	6,000	0,075	14,59	–	6	0,40	–	–	●	–	–	–	–	–
EC060M06N00CR03	6	6,000	0,075	14,59	–	–	0,30	0,30	–	●	–	–	–	–	–
EC060M06R06CR04	6	6,000	0,075	14,59	6	–	–	0,40	–	●	–	–	–	–	–
EC070M06N00CR04	6	7,000	0,075	14,60	–	–	0,40	0,40	–	●	–	–	–	–	–
EC080M08L06CR04	8	8,000	0,075	17,50	–	6	0,40	–	–	●	–	–	–	–	–
EC080M08N00CR04	8	8,000	0,075	17,50	–	–	0,40	0,40	–	●	–	–	–	–	–
EC080M08R06CR04	8	8,000	0,075	17,50	6	–	–	0,40	–	●	–	–	–	–	–

How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



EV	S	M	L	2525M	03	16	030035	C
Family Name	Tool Style	Support Type	Hand	Shank Size	Seat Size	Max Groove Depth	Face Grooving Diameters	Coolant
Beyond™ Evolution™	**S** = Straight mount		**L** = Left hand **R** = Right hand		**1B** **1F** **02** **03** **04** **05** **06** **08** **10**	in millimetres	**030** = Minimum diameter in mm **035** = Maximum diameter in mm	**C** = Through the pocket coolant capable

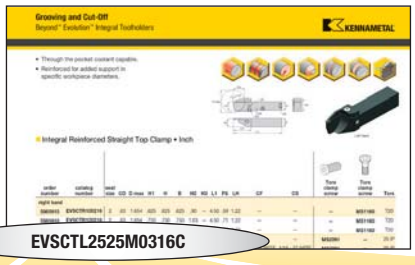
M = Maximum support for specific groove width and straight clearance for unlimited workpiece diameter

A = Face grooving — inboard sweep

B = Face grooving — outboard sweep

Metric = Height x Width in mm letter indicates tool length according to ISO

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



EVSCTL2525M0316C

EV	S	C	T	L	2525M	03	16	C
Family Name	Tool Style	Support Type	Clamping Screw Position	Hand	Shank Size	Seat Size	Max Groove Depth	Coolant
Beyond™ Evolution™	**S** = Straight mount	**C** = Reinforced support	**T** = Top **F** = Front	**L** = Left hand **R** = Right hand	**Metric** = Height x Width in mm letter indicates tool length according to ISO	**1B** **1F** **02** **03** **04** **05** **06** **08** **10**	in millimetres	**C** = Through the pocket coolant capable

How Do Catalogue Numbers Work?

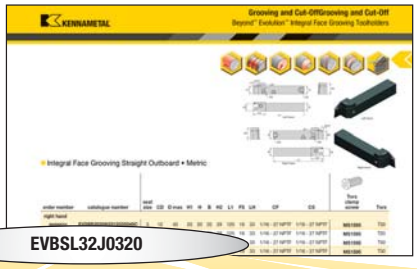
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



A16REVEMR0310M030035

A	16	R	EV	E	M	R	03	10	M	030035
Steel Bar with Coolant	Bar Diameter	Bar Length	Platform	Tool Type	Support Type	Hand of Tool	Insert Seat Size	Max Cutting Depth	Tool Units	Face Grooving Diameters
Steel boring bar with through coolant capability.	**Metric** = Diameter in mm **Inch** = Diameter in 1/16" increments		Beyond™ Evolution™	**E** = End mount (90°) **S** = Straight Mount	**M** = Maximum support **A** = Face Grooving-inboard sweep	**R** = Right hand **L** = Left hand	**1F** **02** **03** **04** **05** **06** **08** **10**	in millimetres	**M** = Metric **I** = Inch	**030** = Minimum diameter in mm **035** = Maximum diameter in mm

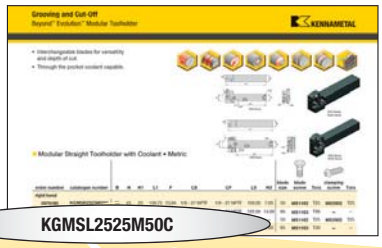
symbol	mm	inch
K	125	5
M	150	6
Q	180	7
R	200	8
S	250	10
T	300	12



EVBSL32J0320

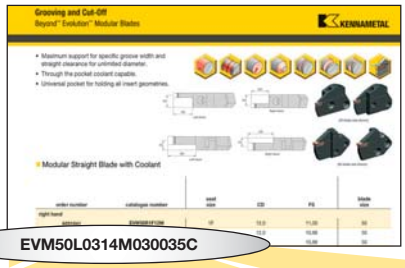
EV	B	S	L	32	J	03	20
Family Name	Tool Style	Support Type	Hand	Blade Height	Overall Length	Seat Size	Max Cutting Depth
Beyond™ Evolution™	**B** = 2 pocket blade	**S** = Standard **C** = Reinforced	**N** = Neutral **L** = Left hand **R** = Right hand	in millimetres	According to ISO **G** = 90mm **J** = 110mm **M** = 150mm **X** = Special	**1B** **1F** **02** **03** **04** **05** **06** **08** **10**	in millimetres

By referencing this easy-to-use guide, you can identify the correct product to meet your needs



KGMSL2525M50C

KGM	S	L	2525M	50	C
Family Name	Tool Style	Hand	Shank Size	Blade Size	Coolant
Grooving Modular System	**S** = Straight mount **E** = End mount (90°)	**L** = Left hand **R** = Right hand	**Metric** = Height x Width in mm letter indicates tool length according to ISO	**50** **65**	**C** = Through coolant capable

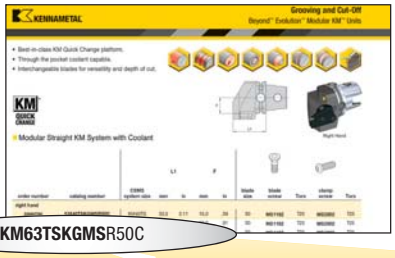


EVM50L0314M030035C

EVM	50	L	03	14	M	030035	C
Family Name	Blade Size	Hand	Seat Size	Max Groove Depth	Support Type	Face Grooving Diameters	Coolant
Beyond™ Evolution™ Modular Blade	**50** **65**	**L** = Left hand **R** = Right hand	**1B** **1F** **02** **03** **04** **05** **06** **08** **10**	in millimetres	**M** = Maximum support for specific groove width and straight clearance for unlimited diameter **A** = Face grooving-inboard sweep **B** = Face grooving-outboard sweep	**030** = Minimum diameter in mm **035** = Maximum diameter in mm	**C** = Through the pocket coolant capable

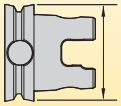
How Do Catalogue Numbers Work?

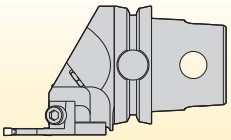
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.

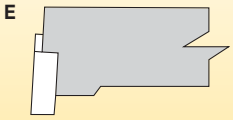


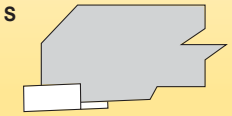
KM63TSKGMSR50C

KM	63	TS	KGM	S
KM™ Quick-Change	System Size	Feature	Insert Holding Method	Insert Location
KM **KM4X™** **PSC**	40 = 40mm 50 = 50mm 63 = 63mm 80 = 80mm 100 = 100mm	**TS** **XMZ**	**KGM** **Modular Grooving**	**E** = End mount **S** = Side mount

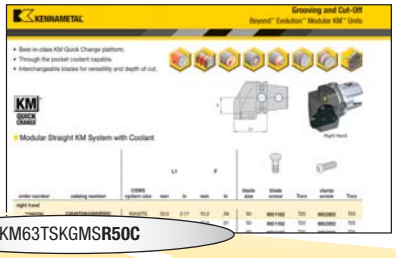








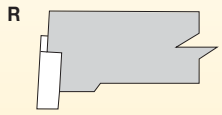
By referencing this easy-to-use guide, you can identify the correct product to meet your needs.

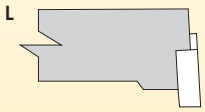


KM63TSKGMS**R50C**

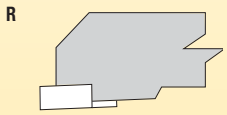
R	50	C	
Hand of Tool	Blade Size	Coolant	Special Features
R = Right hand **L** = Left hand	**50** **60**	**C** = Through the pocket coolant capable	**Y** = Mazak® INTEGREX®

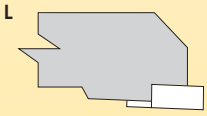
End Mount





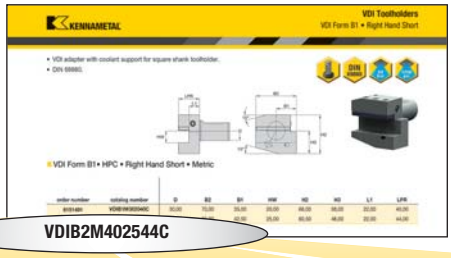
Side Mount





How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



VDIB2M402544C

VDI	B2	M	40	25	44	C
Connection	Style	Metric	VDI Shank Diameter	Toolholder Shank Size	Projection Length	Internal Coolant

NOVO KNOWS SEARCH

Searching for a tool has been enhanced by Advise and Select functions from NOVO™ applications — saving you time and money.

ADVISE

Uses a rules-based approach to provide cutting tool recommendations:

- Define Machining Feature (face milling, slotting, blind hole, etc.)
- Apply Constraint Requirements (geometric, material, tolerance, etc.)
- Set Machining Sequence (single or multi-step operations, rough then finish, etc.)
- Receive Ranked Results

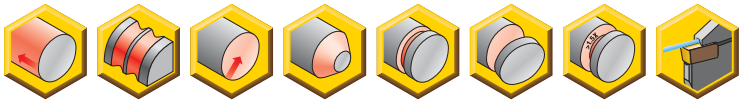
SELECT

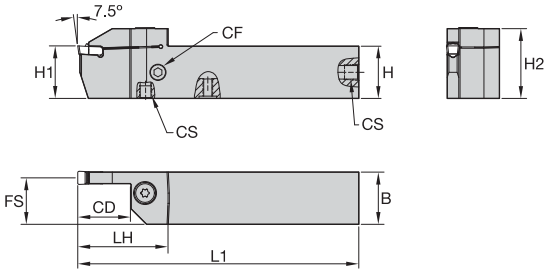
A method of selecting cutting tools from a tree structure via a hierarchy or parametric search:

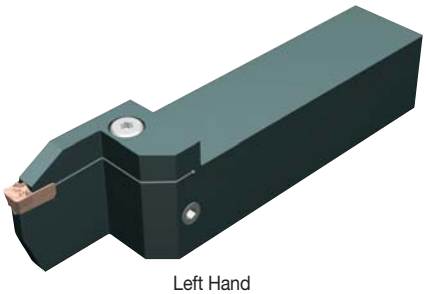
- If you know which product you are looking for, a quick search can be performed by just the catalogue number or product description.
- Smart filters significantly reduce the amount of potential tooling solutions.
- After the tool is selected, NOVO also provides cutting and adaptive item options that fit with your solution.

NOVO applications can ensure you have the right tools on your machines, in the right sequence. Resulting in flawless execution that accelerates every job, and maximises every shift. **kennametal.com/novo**

- Offers the greatest stability.
- Straight clearance for unlimited workpiece diameters.
- Through the pocket coolant capable.

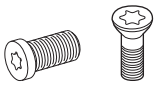






Left Hand

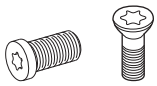
Integral Straight • Metric



order number	catalogue number	seat size	CD	H1	H	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx clamp screw	Torx
right hand															
5953960	**EVSMR2020K0216**	2	16	20	20	20	27	125	19	31	–	–	**–**	**MS1160**	T20
5953958	**EVSMR2525M0216**	2	16	25	25	25	32	150	24	31	–	–	**–**	**MS1160**	T20
6401854	**EVSMR2020K0216C**	2	16	20	20	20	28	125	19	35	M8X1	M8X1	**MS2091**	**–**	25 IP
6401855	**EVSMR2525M0216C**	2	16	25	25	25	33	150	24	35	G1/8 - 28	G1/8 - 28	**MS2091**	**–**	25 IP
5953959	**EVSMR2020K0222**	2	22	20	20	20	29	125	19	38	–	–	**MS2091**	**–**	25 IP
6401857	**EVSMR2020K0222C**	2	22	20	20	20	29	125	19	41	M8X1	M8X1	**MS2091**	**–**	25 IP
5953957	**EVSMR2525M0226**	2	26	25	25	25	34	150	24	42	–	–	**MS2091**	**–**	25 IP
6401856	**EVSMR2525M0226C**	2	26	25	25	25	34	150	24	45	G1/8 - 28	G1/8 - 28	**MS2091**	**–**	25 IP
5939452	**EVSMR2020K0316C**	3	16	20	20	20	29	125	19	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	**–**	T30
5939448	**EVSMR2525M0316C**	3	16	25	25	25	34	150	24	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	**–**	T30
5939451	**EVSMR2020K0322C**	3	22	20	20	20	29	125	19	43	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	**–**	T30
5939447	**EVSMR2525M0326C**	3	26	25	25	25	34	150	24	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	**–**	T30
5939450	**EVSMR2020K0416C**	4	16	20	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	**–**	T30
5939446	**EVSMR2525M0416C**	4	16	25	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	**–**	T30
5939449	**EVSMR2020K0422C**	4	22	20	20	20	29	125	18	43	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	**–**	T30
5939445	**EVSMR2525M0426C**	4	26	25	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	**–**	T30
5939444	**EVSMR3232P0426C**	4	26	32	32	32	42	170	30	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	**–**	T30
5939443	**EVSMR3232P0432C**	4	32	32	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	**–**	T30
5954258	**EVSMR2020K0516C**	5	16	20	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	**–**	T30
5954254	**EVSMR2525M0516C**	5	16	25	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	**–**	T30
5954257	**EVSMR2020K0522C**	5	22	20	20	20	29	125	18	43	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	**–**	T30
5954253	**EVSMR2525M0526C**	5	26	25	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	**–**	T30
5954249	**EVSMR3232P0526C**	5	26	32	32	32	42	170	30	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	**–**	T30

(continued)

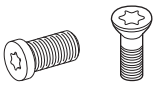
(Integral Straight • Metric — continued)



order number	catalogue number	seat size	CD	H1	H	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx clamp screw	Torx
5954248	EVSMR3232P0532C	5	32	32	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954256	EVSMR2020K0616C	6	16	20	20	20	29	125	20	37	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5954252	EVSMR2525M0616C	6	16	25	25	25	34	150	25	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954255	EVSMR2020K0622C	6	22	20	20	20	29	125	20	43	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5954251	EVSMR2525M0626C	6	26	25	25	25	34	150	25	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954247	EVSMR3232P0626C	6	26	32	32	32	42	170	32	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954246	EVSMR3232P0632C	6	32	32	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954242	EVSMR4040R0640C	6	40	40	40	40	51	200	37	63	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954250	EVSMR2525M0826C	8	26	25	25	25	35	150	21	49	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954245	EVSMR3232P0826C	8	26	32	32	32	43	170	28	49	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954244	EVSMR3232P0832C	8	32	32	32	32	43	170	28	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954241	EVSMR4040R0840C	8	40	40	40	40	51	200	36	63	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954243	EVSMR3232P1032C	10	32	32	32	32	43	170	28	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954240	EVSMR4040R1040C	10	40	40	40	40	51	200	36	63	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
left hand															
5953956	EVSML2020K0216	2	16	20	20	20	27	125	19	31	–	–	–	MS1160	T20
5953954	EVSML2525M0216	2	16	25	25	25	32	150	24	31	–	–	–	MS1160	T20
6401881	EVSML2525M0216C	2	16	25	25	25	33	150	24	35	G1/8 - 28	G1/8 - 28	MS2091	–	25 IP
5953955	EVSML2020K0222	2	22	20	20	20	29	125	19	38	–	–	MS2091	–	25 IP
5953953	EVSML2525M0226	2	26	25	25	25	34	150	24	42	–	–	MS2091	–	25 IP
5939442	EVSML2020K0316C	3	16	20	20	20	29	125	19	37	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5939438	EVSML2525M0316C	3	16	25	25	25	34	150	24	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5939441	EVSML2020K0322C	3	22	20	20	20	29	125	19	43	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5939437	EVSML2525M0326C	3	26	25	25	25	34	150	24	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5939440	EVSML2020K0416C	4	16	20	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5939436	EVSML2525M0416C	4	16	25	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5939439	EVSML2020K0422C	4	22	20	20	20	29	125	18	43	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5939435	EVSML2525M0426C	4	26	25	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5939433	EVSML3232P0426C	4	26	32	32	32	42	170	30	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5939432	EVSML3232P0432C	4	32	32	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954239	EVSML2020K0516C	5	16	20	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5954235	EVSML2525M0516C	5	16	25	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954238	EVSML2020K0522C	5	22	20	20	20	29	125	18	43	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5954234	EVSML2525M0526C	5	26	25	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954220	EVSML3232P0526C	5	26	32	32	32	42	170	30	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954219	EVSML3232P0532C	5	32	32	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954237	EVSML2020K0616C	6	16	20	20	20	29	125	17	37	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5954233	EVSML2525M0616C	6	16	25	25	25	34	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954236	EVSML2020K0622C	6	22	20	20	20	29	125	17	43	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5954232	EVSML2525M0626C	6	26	25	25	25	34	150	22	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30

(continued)

(Integral Straight • Metric — continued)

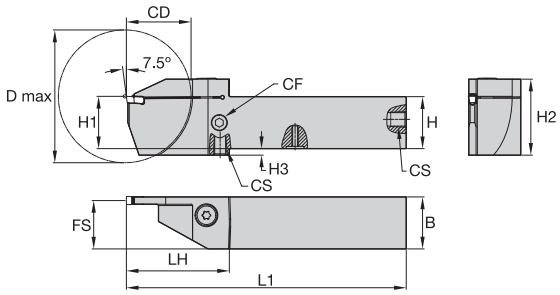


order number	catalogue number	seat size	CD	H1	H	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx clamp screw	Torx
5954218	EVSML3232P0626C	6	26	32	32	32	42	170	29	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5954217	EVSML3232P0632C	6	32	32	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954213	EVSML4040R0640C	6	40	40	40	40	51	200	37	63	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954231	EVSML2525M0826C	8	26	25	25	25	35	150	21	49	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954216	EVSML3232P0826C	8	26	32	32	32	43	170	28	49	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954215	EVSML3232P0832C	8	32	32	32	32	43	170	28	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954212	EVSML4040R0840C	8	40	40	40	40	51	200	36	63	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954214	EVSML3232P1032C	10	32	32	32	32	43	170	28	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45
5954211	EVSML4040R1040C	10	40	40	40	40	51	200	36	63	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45

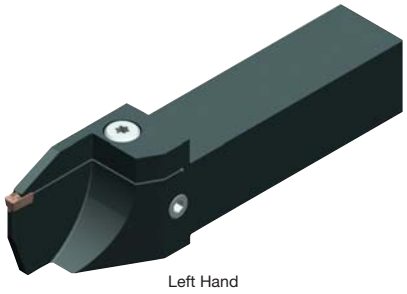
screw	screw	torque				wrench	wrench
catalogue number	order number	Nm	in. lbs.	thread	socket	catalogue number	order number
MS1160	1099645	7	62	M5	T20	KT20	1022703
MS1162	1127019	9	80	M6	T25	KT25	1022725
MS1163	1124104	18	159	M8	T30	KT30L	1099676
MS1273	1020977	4	35.4	M4	T15	KT15	1022701
MS1490	2263299	17	151	M8	T45	KT45	1018227
MS1595	1094300	12	106	M6	T30	KT30	1099676
MS1970	1106668	12	106	M6	T30	KT30	1099676
MS2002	1621087	9	80	M6	T25	KT25	1022725
MS2091	1931147	9	80	M5	25IP	K25IP	2050113

- Through the pocket coolant capable.
- Reinforced for added support in specific workpiece diameters.



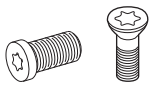


CD = Maximum cut-off depth for solid bars.
D max = Maximum bar diameter for deep grooving or cut-off of tubes.



Left Hand

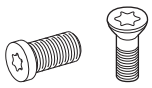
Integral Straight Top Clamp • Metric



order number	catalogue number	seat size	CD	D max	H1	H	B	H2	H3	L1	FS	LH	CF	CS	Torx clamp screw	Torx clamp screw	Torx
right hand																	
6179757	EVSCTR1212K1B16	1B	16	42	12	12	12	23	4	125	11	31	–	–	–	MS1160	T20
6179758	EVSCTR1212K1F16	1F	16	42	12	12	12	23	4	125	11	31	–	–	–	MS1160	T20
6179759	EVSCTR1212K0216	2	16	42	12	12	12	23	4	125	11	31	–	–	–	MS1160	T20
5980139	EVSCTR1616K0216	2	16	42	16	16	16	23	–	125	15	31	–	–	–	MS1160	T20
5980762	EVSCTR2020K0216	2	16	42	20	20	20	27	–	125	19	31	–	–	–	MS1160	T20
5980767	EVSCTR2525M0216	2	16	42	25	25	25	32	–	150	24	31	–	–	–	MS1160	T20
5980768	EVSCTR2525M0226	2	26	62	25	25	25	34	–	150	24	42	–	–	MS2091	–	25 IP
6179755	EVSCTR1212K0316C	3	16	52	12	12	12	23	4	125	11	34	M8X1.25	M8X1.25	MS1944	–	T25
5980140	EVSCTR1616K0316C	3	16	52	16	16	16	24	–	125	15	36	1/16 - 27 NPTF	1/16 - 27 NPTF	MS2091	–	25 IP
5980763	EVSCTR2020K0316C	3	16	52	20	20	20	29	–	125	19	37	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5980138	EVSCTR2525M0316C	3	16	62	25	25	25	34	–	150	24	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5980764	EVSCTR2020K0326C	3	26	62	20	20	20	33	4	125	19	47	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5980769	EVSCTR2525M0326C	3	26	62	25	25	25	34	–	150	24	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5980761	EVSCTR1616K0416C	4	16	52	16	16	16	24	–	125	14	36	1/16 - 27 NPTF	1/16 - 27 NPTF	MS2091	–	25 IP
5980765	EVSCTR2020K0416C	4	16	52	20	20	20	29	–	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5980766	EVSCTR2020K0426C	4	26	62	20	20	20	33	–	125	18	47	1/16 - 27 NPTF	1/16 - 27 NPTF	MS1595	–	T30
5980770	EVSCTR2525M0426C	4	26	62	25	25	25	34	–	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5980771	EVSCTR2525M0432C	4	32	64	25	25	25	38	4	150	23	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1595	–	T30
5980774	EVSCTR3232P0432C	4	32	64	32	32	32	42	–	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5980772	EVSCTR2525M0526C	5	26	62	25	25	25	34	–	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5980773	EVSCTR2525M0532C	5	32	64	25	25	25	39	4	150	23	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	–	T30
5980775	EVSCTR3232P0540C	5	40	82	32	32	32	47	4	170	30	63	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	–	T45

(*continued*)

(Integral Straight Top Clamp • Metric — continued)

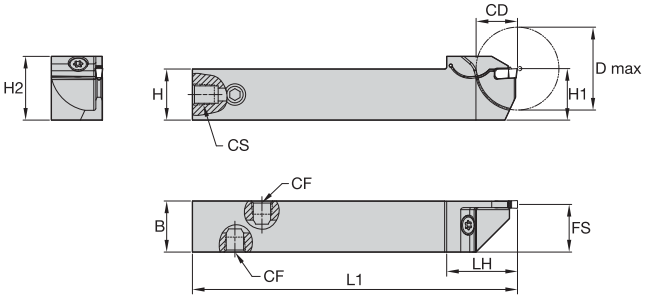


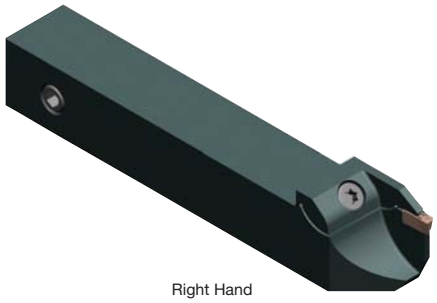
order number	catalogue number	seat size	CD	D max	H1	H	B	H2	H3	L1	FS	LH	CF	CS	Torx clamp screw	Torx clamp screw	Torx
left hand																	
6179760	**EVSCTL1212K1B16**	1B	16	42	12	12	12	23	4	125	11	31	—	—	—	**MS1160**	T20
6179761	**EVSCTL1212K1F16**	1F	16	42	12	12	12	23	4	125	11	31	—	—	—	**MS1160**	T20
6179762	**EVSCTL1212K0216**	2	16	42	12	12	12	23	4	125	11	31	—	—	—	**MS1160**	T20
5980777	**EVSCTL1616K0216**	2	16	42	16	16	16	23	—	125	15	31	—	—	—	**MS1160**	T20
5980780	**EVSCTL2020K0216**	2	16	42	20	20	20	27	—	125	19	31	—	—	—	**MS1160**	T20
5980805	**EVSCTL2525M0216**	2	16	42	25	25	25	32	—	150	24	31	—	—	—	**MS1160**	T20
5980806	**EVSCTL2525M0226**	2	26	62	25	25	25	34	—	150	24	42	—	—	**MS2091**	—	25 IP
6179756	**EVSCTL1212K0316C**	3	16	52	12	12	12	23	4	125	11	34	M8X1.25	M8X1.25	**MS1944**	—	T25
5980778	**EVSCTL1616K0316C**	3	16	52	16	16	16	24	—	125	15	36	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS2091**	—	25 IP
5980801	**EVSCTL2020K0316C**	3	16	52	20	20	20	29	—	125	19	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	—	T30
5980776	**EVSCTL2525M0316C**	3	16	62	25	25	25	34	—	150	24	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	—	T30
5980802	**EVSCTL2020K0326C**	3	26	62	20	20	20	33	4	125	19	47	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	—	T30
5980807	**EVSCTL2525M0326C**	3	26	62	25	25	25	34	—	150	24	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	—	T30
5980779	**EVSCTL1616K0416C**	4	16	52	16	16	16	24	—	125	14	36	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS2091**	—	25 IP
5980803	**EVSCTL2020K0416C**	4	16	52	20	20	20	29	—	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	—	T30
5980804	**EVSCTL2020K0426C**	4	26	62	20	20	20	33	—	125	18	47	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	—	T30
5980808	**EVSCTL2525M0426C**	4	26	62	25	25	25	34	—	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	—	T30
5980809	**EVSCTL2525M0432C**	4	32	64	25	25	25	38	4	150	23	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1595**	—	T30
5980812	**EVSCTL3232P0432C**	4	32	64	32	32	32	42	—	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	—	T30
5980810	**EVSCTL2525M0526C**	5	26	62	25	25	25	34	—	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	—	T30
5980811	**EVSCTL2525M0532C**	5	32	64	25	25	25	39	4	150	23	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	—	T30
5980813	**EVSCTL3232P0540C**	5	40	82	32	32	32	47	4	170	30	63	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1490**	—	T45

NOTE: Through the pocket coolant available in seat sizes 3 and higher.

screw catalogue number	screw order number	torque Nm	torque in. lbs.	thread	socket	wrench catalogue number	wrench order number
MS1160	**1099645**	7	62	M5	T20	**KT20**	**1022703**
MS1162	**1127019**	9	80	M6	T25	**KT25**	**1022725**
MS1163	**1124104**	18	159	M8	T30	**KT30L**	**1099676**
MS1273	**1020977**	4	35.4	M4	T15	**KT15**	**1022701**
MS1490	**2263299**	17	151	M8	T45	**KT45**	**1018227**
MS1595	**1094300**	12	106	M6	T30	**KT30**	**1099676**
MS1970	**1106668**	12	106	M6	T30	**KT30**	**1099676**
MS2002	**1621087**	9	80	M6	T25	**KT25**	**1022725**
MS2091	**1931147**	9	80	M5	25IP	**K25IP**	**2050113**






Right Hand

CD = Maximum cut-off depth for solid bars.
D max = Maximum bar diameter for deep grooving or cut-off of tubes.

Integral Reinforced Front Clamp • Metric



order number	catalogue number	seat size	CD	D max	H1	H	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx
right hand															
6179763	**EVSCFR1010K1B10**	1B	10	20	10	10	10	14	125	9	21	–	–	**191.916**	T15
6179766	**EVSCFR1212K1B10**	1B	10	20	12	12	12	16	125	11	21	–	–	**191.916**	T15
6179767	**EVSCFR1212K1B13**	1B	13	26	12	12	12	16	125	11	24	–	–	**191.916**	T15
6179774	**EVSCFR1616K1B16**	1B	16	32	16	16	16	21	125	15	27	–	–	**MS1160**	T20
6179778	**EVSCFR2020K1B16**	1B	16	32	20	20	20	25	125	19	27	–	–	**MS1160**	T20
6179764	**EVSCFR1010K1F10**	1F	10	20	10	10	10	14	125	9	21	–	–	**191.916**	T15
6179768	**EVSCFR1212K1F10**	1F	10	20	12	12	12	16	125	11	21	–	–	**191.916**	T15
6179769	**EVSCFR1212K1F13**	1F	13	26	12	12	12	16	125	11	24	–	–	**191.916**	T15
6179775	**EVSCFR1616K1F16**	1F	16	32	16	16	16	21	125	15	27	–	–	**MS1160**	T20
6179779	**EVSCFR2020K1F16**	1F	16	32	20	20	20	25	125	19	27	–	–	**MS1160**	T20
6179765	**EVSCFR1010K0210**	2	10	20	10	10	10	14	125	9	21	–	–	**191.916**	T15
6179770	**EVSCFR1212K0210**	2	10	20	12	12	12	16	125	11	21	–	–	**191.916**	T15
6179771	**EVSCFR1212K0216**	2	16	32	12	12	12	16	125	11	27	–	–	**191.916**	T15
6179776	**EVSCFR1616K0216**	2	16	32	16	16	16	21	125	15	27	–	–	**MS1160**	T20
6179780	**EVSCFR2020K0216**	2	16	32	20	20	20	25	125	19	27	–	–	**MS1160**	T20
6179772	**EVSCFR1212K0310C**	3	10	20	12	12	12	17	125	11	22	M8X1.25	M8X1.25	**191.916**	T15
6179773	**EVSCFR1212K0316C**	3	16	32	12	12	12	17	125	11	28	M8X1.25	M8X1.25	**191.916**	T15
6179777	**EVSCFR1616K0316C**	3	16	32	16	16	16	21	125	15	28	M8X1.25	M8X1.25	**MS1160**	T20
6179781	**EVSCFR2020K0316C**	3	16	32	20	20	20	25	125	19	28	M8X1.25	M8X1.25	**MS1160**	T20

(continued)

(Integral Reinforced Front Clamp • Metric — continued)

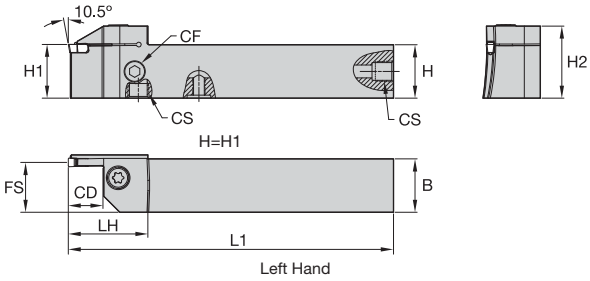


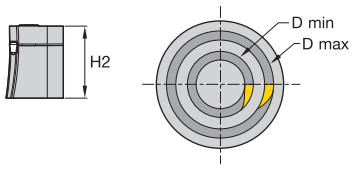
order number	catalogue number	seat size	CD	D max	H1	H	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx
left hand															
6179709	**EVSCFL1010K1B10**	1B	10	20	10	10	10	14	125	9	21	—	—	**191.916**	T15
6179922	**EVSCFL1212K1B10**	1B	10	20	12	12	12	16	125	11	21	—	—	**191.916**	T15
6179923	**EVSCFL1212K1B13**	1B	13	26	12	12	12	16	125	11	24	—	—	**191.916**	T15
6179930	**EVSCFL1616K1B16**	1B	16	32	16	16	16	21	125	15	27	—	—	**MS1160**	T20
6179934	**EVSCFL2020K1B16**	1B	16	32	20	20	20	25	125	19	27	—	—	**MS1160**	T20
6179710	**EVSCFL1010K1F10**	1F	10	20	10	10	10	14	125	9	21	—	—	**191.916**	T15
6179924	**EVSCFL1212K1F10**	1F	10	20	12	12	12	16	125	11	21	—	—	**191.916**	T15
6179925	**EVSCFL1212K1F13**	1F	13	26	12	12	12	16	125	11	24	—	—	**191.916**	T15
6179931	**EVSCFL1616K1F16**	1F	16	32	16	16	16	21	125	15	27	—	—	**MS1160**	T20
6179935	**EVSCFL2020K1F16**	1F	16	32	20	20	20	25	125	19	27	—	—	**MS1160**	T20
6179921	**EVSCFL1010K0210**	2	10	20	10	10	10	14	125	9	21	—	—	**191.916**	T15
6179926	**EVSCFL1212K0210**	2	10	20	12	12	12	16	125	11	21	—	—	**191.916**	T15
6179927	**EVSCFL1212K0216**	2	16	32	12	12	12	16	125	11	27	—	—	**191.916**	T15
6179932	**EVSCFL1616K0216**	2	16	32	16	16	16	21	125	15	27	—	—	**MS1160**	T20
6179936	**EVSCFL2020K0216**	2	16	32	20	20	20	25	125	19	27	—	—	**MS1160**	T20
6179928	**EVSCFL1212K0310C**	3	10	20	12	12	12	17	125	11	22	M8X1.25	M8X1.25	**191.916**	T15
6179929	**EVSCFL1212K0316C**	3	16	32	12	12	12	17	125	11	28	M8X1.25	M8X1.25	**191.916**	T15
6179933	**EVSCFL1616K0316C**	3	16	32	16	16	16	21	125	15	28	M8X1.25	M8X1.25	**MS1160**	T20
6179937	**EVSCFL2020K0316C**	3	16	32	20	20	20	25	125	19	28	M8X1.25	M8X1.25	**MS1160**	T20

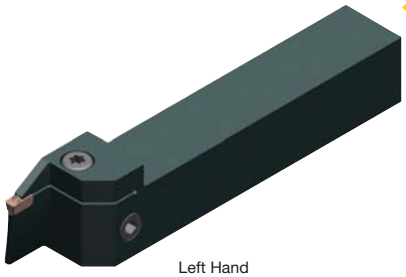
NOTE: Through the pocket coolant available in seat sizes 3 and higher.

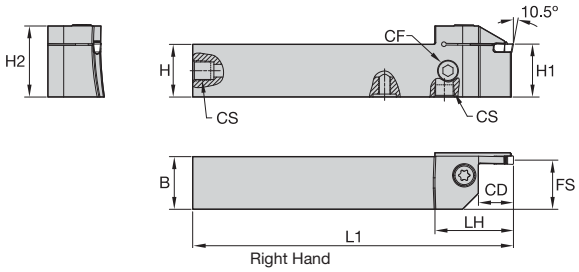
screw	screw	torque				wrench	wrench
catalogue number	order number	Nm	in. lbs.	thread	socket	catalogue number	order number
MS1160	**1099645**	7	62	M5	T20	**KT20**	**1022703**
MS1162	**1127019**	9	80	M6	T25	**KT25**	**1022725**
MS1163	**1124104**	18	159	M8	T30	**KT30L**	**1099676**
MS1273	**1020977**	4	35.4	M4	T15	**KT15**	**1022701**
MS1490	**2263299**	17	151	M8	T45	**KT45**	**1018227**
MS1595	**1094300**	12	106	M6	T30	**KT30**	**1099676**
MS1970	**1106668**	12	106	M6	T30	**KT30**	**1099676**
MS2002	**1621087**	9	80	M6	T25	**KT25**	**1022725**
MS2091	**1931147**	9	80	M5	25IP	**K25IP**	**2050113**

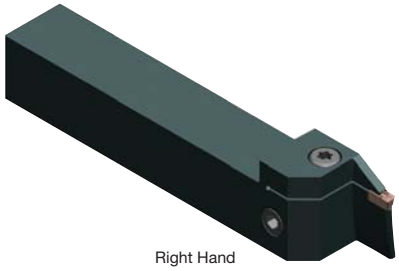







Left Hand




Right Hand

Integral Face Grooving Straight Outboard • Metric



order number	catalogue number	seat size	CD	D max	D min	W min	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx
right hand															
6080031	**EVSBR2020K0312035040C**	3	12	40	35	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116561	**EVSBR2020K0312040050C**	3	12	50	40	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T20
6116563	**EVSBR2020K0312050060C**	3	12	60	50	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116567	**EVSBR2020K0312060075C**	3	12	75	60	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116569	**EVSBR2020K0312075100C**	3	12	100	75	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6080067	**EVSBR2525M0312100180C**	3	12	180	100	25	25	34	150	24	33	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080069	**EVSBR2525M0312180250C**	3	12	250	180	25	25	34	150	24	33	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080053	**EVSBR2525M0320060075C**	3	20	75	60	25	25	34	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080055	**EVSBR2525M0320075100C**	3	20	100	75	25	25	34	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080057	**EVSBR2525M0320100180C**	3	20	180	100	25	25	34	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080060	**EVSBR2525M0320180250C**	3	20	250	180	25	25	35	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080033	**EVSBR2020K0416040050C**	4	16	50	40	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6080040	**EVSBR2020K0416050060C**	4	16	60	50	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116571	**EVSBR2020K0416060075C**	4	16	75	60	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116573	**EVSBR2020K0416075100C**	4	16	100	75	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116587	**EVSBR2525M0416100180C**	4	16	180	100	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116589	**EVSBR2525M0416180250C**	4	16	250	180	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116575	**EVSBR2525M0426060075C**	4	26	75	60	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116577	**EVSBR2525M0426075100C**	4	26	100	75	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116579	**EVSBR2525M0426100180C**	4	26	180	100	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116581	**EVSBR2525M0426180250C**	4	26	250	180	25	25	34	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080035	**EVSBR2525M0516050060C**	5	16	60	50	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124200	**EVSBR2525M0516060075C**	5	16	60	60	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30

(continued)

(Integral Face Grooving Straight Outboard • Metric — continued)



order number	catalogue number	seat size	CD	D max	D min	W min	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx
6124214	**EVSBR2525M0516075100C**	5	16	100	75	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124218	**EVSBR2525M0516100180C**	5	16	180	100	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124222	**EVSBR2525M0516180250C**	5	16	250	180	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124226	**EVSBR2525M0516250350C**	5	16	350	250	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124230	**EVSBR2525M0516350999C**	5	16	999	350	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124198	**EVSBR2525M0526050060C**	5	26	60	50	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124212	**EVSBR2525M0526060075C**	5	26	60	60	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124216	**EVSBR2525M0526075100C**	5	26	100	75	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124235	**EVSBR3232P0532100180C**	5	32	180	100	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124237	**EVSBR3232P0532180250C**	5	32	250	180	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124239	**EVSBR3232P0532250350C**	5	32	350	250	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124241	**EVSBR3232P0532350999C**	5	32	999	350	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124605	**EVSBR2525M0616060075C**	6	16	75	60	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124609	**EVSBR2525M0616075100C**	6	16	100	75	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124673	**EVSBR2525M0616100180C**	6	16	180	100	25	25	31	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124677	**EVSBR2525M0616180250C**	6	16	250	180	25	25	34	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124681	**EVSBR2525M0616250350C**	6	16	350	250	25	25	34	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124685	**EVSBR2525M0616350999C**	6	16	999	350	25	25	34	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124607	**EVSBR2525M0626060075C**	6	26	75	60	25	25	35	150	22	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124671	**EVSBR2525M0626075100C**	6	26	100	75	25	25	35	150	22	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6124689	**EVSBR3232P0632100180C**	6	32	180	100	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1490**	T45
6124691	**EVSBR3232P0632180250C**	6	32	250	180	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1490**	T45
6124693	**EVSBR3232P0632250350C**	6	32	350	250	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1490**	T45
6124695	**EVSBR3232P0632350999C**	6	32	999	350	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1490**	T45
left hand															
6080037	**EVSBL2020K0312035040C**	3	12	40	35	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116562	**EVSBL2020K0312040050C**	3	12	50	40	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116564	**EVSBL2020K0312050060C**	3	12	60	50	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116568	**EVSBL2020K0312060075C**	3	12	75	60	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116570	**EVSBL2020K0312075100C**	3	12	100	75	20	20	29	125	19	33	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6080068	**EVSBL2525M0312100180C**	3	12	180	100	25	25	34	150	24	33	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080070	**EVSBL2525M0312180250C**	3	12	250	180	25	25	34	150	24	33	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080054	**EVSBL2525M0320060075C**	3	20	75	60	25	25	35	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080056	**EVSBL2525M0320075100C**	3	20	100	75	25	25	35	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080059	**EVSBL2525M0320100180C**	3	20	180	100	25	25	35	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080061	**EVSBL2525M0320180250C**	3	20	250	180	25	25	35	150	24	41	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6080038	**EVSBL2020K0416040050C**	4	16	50	40	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6080051	**EVSBL2020K0416050060C**	4	16	60	50	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116572	**EVSBL2020K0416060075C**	4	16	75	60	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116574	**EVSBL2020K0416075100C**	4	16	100	75	20	20	29	125	18	37	1/16 - 27 NPTF	1/16 - 27 NPTF	**MS1595**	T30
6116588	**EVSBL2525M0416100180C**	4	16	180	100	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116590	**EVSBL2525M0416180250C**	4	16	250	180	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116576	**EVSBL2525M0426060075C**	4	26	75	60	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30
6116578	**EVSBL2525M0426075100C**	4	26	100	75	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	**MS1970**	T30

(continued)

(Integral Face Grooving Straight Outboard • Metric — continued)



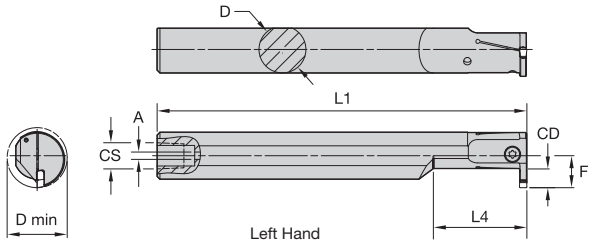
order number	catalogue number	seat size	CD	D max	D min	W min	B	H2	L1	FS	LH	CF	CS	Torx clamp screw	Torx
6116580	EVSBL2525M0426100180C	4	26	180	100	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6116582	EVSBL2525M0426180250C	4	26	250	180	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6080039	EVSBL2525M0516050060C	5	16	60	50	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124211	EVSBL2525M0516060075C	5	16	60	60	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124215	EVSBL2525M0516075100C	5	16	100	75	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124219	EVSBL2525M0516100180C	5	16	180	100	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124223	EVSBL2525M0516180250C	5	16	250	180	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124227	EVSBL2525M0516250350C	5	16	350	250	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124232	EVSBL2525M0516350999C	5	16	999	350	25	25	34	150	23	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124199	EVSBL2525M0526050060C	5	26	60	50	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124213	EVSBL2525M0526060075C	5	26	60	60	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124217	EVSBL2525M0526075100C	5	26	100	75	25	25	35	150	23	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124236	EVSBL3232P0532100180C	5	32	180	100	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124238	EVSBL3232P0532180250C	5	32	250	180	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124240	EVSBL3232P0532250350C	5	32	350	250	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124242	EVSBL3232P0532350999C	5	32	999	350	32	32	42	170	30	53	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124606	EVSBL2525M0616060075C	6	16	75	60	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124610	EVSBL2525M0616075100C	6	16	100	75	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124674	EVSBL2525M0616100180C	6	16	180	100	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124678	EVSBL2525M0616180250C	6	16	250	180	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124682	EVSBL2525M0616250350C	6	16	350	250	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124686	EVSBL2525M0616350999C	6	16	999	350	25	25	35	150	22	37	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124608	EVSBL2525M0626060075C	6	26	75	60	25	25	35	150	22	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124672	EVSBL2525M0626075100C	6	26	100	75	25	25	35	150	22	47	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1970	T30
6124690	EVSBL3232P0632100180C	6	32	180	100	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	T45
6124692	EVSBL3232P0632180250C	6	32	250	180	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	T45
6124694	EVSBL3232P0632250350C	6	32	350	250	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	T45
6124696	EVSBL3232P0632350999C	6	32	999	350	32	32	43	170	29	55	1/8 - 27 NPTF	1/8 - 27 NPTF	MS1490	T45

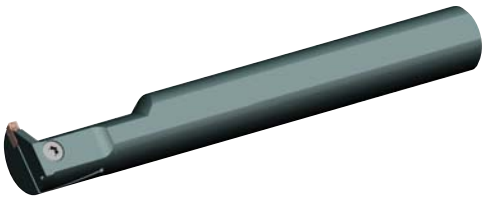
NOTE: Through the pocket coolant available in seat sizes 3 and higher.

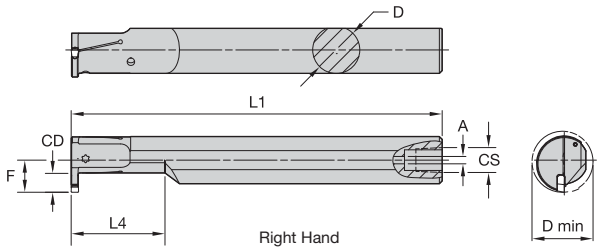
screw catalogue number	screw order number	torque Nm	torque in. lbs.	thread	socket	wrench catalogue number	wrench order number
MS1160	1099645	7	62	M5	T20	KT20	1022703
MS1162	1127019	9	80	M6	T25	KT25	1022725
MS1163	1124104	18	159	M8	T30	KT30L	1099676
MS1273	1020977	4	35.4	M4	T15	KT15	1022701
MS1490	2263299	17	151	M8	T45	KT45	1018227
MS1595	1094300	12	106	M6	T30	KT30	1099676
MS1970	1106668	12	106	M6	T30	KT30	1099676
MS2002	1621087	9	80	M6	T25	KT25	1022725
MS2091	1931147	9	80	M5	25IP	K25IP	2050113

- For use in I.D. grooving applications.
- Maximum support.
- Steel boring bar with through coolant capability.



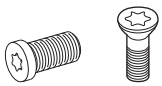



Left Hand




Right Hand

Steel Boring Bar • Metric



order number	catalogue number	seat size	CD	D	D min	L1	F	L4	A	CS	Torx clamp screw	Torx clamp screw	Torx
right hand													
5980518	**A12KEVEMR1F05M**	1F	5,00	12	16	125	9	24,0	4,00	1/16 - 27 NPT	–	**MS1285**	T15
5980520	**A16MEVEMR1F07M**	1F	7,00	16	20	150	11	32,0	4,00	1/8 - 27 NPT	–	**MS1273**	T15
5980622	**A20QEVEMR1F07M**	1F	7,00	20	25	180	13	40,0	4,00	1/8 - 27 NPTF	–	**MS1160**	T20
5980519	**A12KEVEMR0205M**	2	5,00	12	16	125	9	24,0	4,00	1/16 - 27 NPTF	–	**MS1285**	T15
5980621	**A16MEVEMR0207M**	2	7,00	16	20	150	11	32,0	4,00	1/8 - 27 NPTF	–	**MS1273**	T15
5980623	**A20QEVEMR0207M**	2	7,00	20	25	180	13	40,0	4,00	1/8 - 27 NPTF	–	**MS1160**	T20
5980624	**A25REVEMR0210M**	2	10,00	25	32	200	18	50,0	6,40	1/4 - 18 NPT	–	**MS1162**	T25
5954259	**A16MEVEMR0307M**	3	7,00	16	20	150	11	40,3	4,00	1/8 - 27 NPT	–	**MS1273**	T15
5954260	**A20QEVEMR0307M**	3	7,00	20	25	180	13	40,3	4,00	1/8 - 27 NPT	–	**MS1160**	T20
5954281	**A25REVEMR0310M**	3	10,00	25	32	200	17	50,3	6,40	1/4 - 18 NPT	–	**MS1162**	T25
5954283	**A32SEVEMR0312M**	3	12,00	32	40	250	22	64,0	6,40	1/4 - 18 NPT	**MS1595**	–	T30
5954282	**A25REVEMR0410M**	4	10,00	25	32	200	17	50,3	6,40	1/4 - 18 NPT	–	**MS1162**	T25
5954284	**A32SEVEMR0412M**	4	12,00	32	40	250	22	64,0	6,40	1/4 - 18 NPT	**MS1595**	–	T30

(continued)

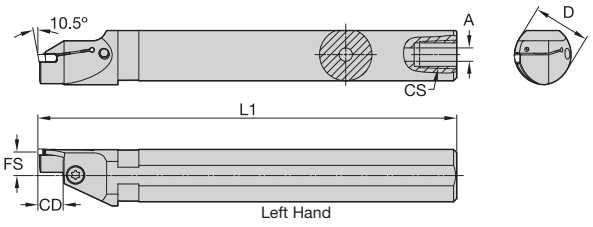
(Steel Boring Bar • Metric — continued)

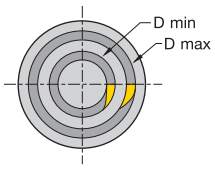



order number	catalogue number	seat size	CD	D	D min	L1	F	L4	A	CS	Torx clamp screw	Torx clamp screw	Torx
left hand													
5980625	A12KEVEML1F05M	1F	5,00	12	16	125	9	24,0	4,00	1/16 - 27 NPTF	–	MS1285	T15
5980627	A16MEVEML1F07M	1F	7,00	16	20	150	11	32,0	4,00	1/8 - 27 NPTF	–	MS1273	T15
5980629	A20QEVEML1F07M	1F	7,00	20	25	180	13	40,0	4,00	1/8 - 27 NPTF	–	MS1160	T20
5980626	A12KEVEML0205M	2	5,00	12	16	125	9	24,0	4,00	1/16 - 27 NPTF	–	MS1285	T15
5980628	A16MEVEML0207M	2	7,00	16	20	150	11	32,0	4,00	1/8 - 27 NPTF	–	MS1273	T15
5980630	A20QEVEML0207M	2	7,00	20	25	180	13	40,0	4,00	1/8 - 27 NPTF	–	MS1160	T20
5980631	A25REVEML0210M	2	10,00	25	32	200	18	50,0	6,40	1/4 - 18 NPT	–	MS1162	T25
5954285	A16MEVEML0307M	3	7,00	16	20	150	11	40,3	4,00	1/8 - 27 NPT	–	MS1273	T15
5954286	A20QEVEML0307M	3	7,00	20	25	180	13	40,3	4,00	1/8 - 27 NPT	–	MS1160	T20
5954287	A25REVEML0310M	3	10,00	25	32	200	17	50,3	6,40	1/4 - 27 NPT	–	MS1162	T25
5954289	A32SEVEML0312M	3	12,00	32	40	250	22	64,0	6,40	1/4 - 27 NPT	MS1595	–	T30
5954288	A25REVEML0410M	4	10,00	25	32	200	17	50,3	6,40	1/4 - 18 NPT	–	MS1162	T25
5954290	A32SEVEML0412M	4	12,00	32	40	250	22	64,0	6,40	1/4 - 18 NPT	MS1595	–	T30

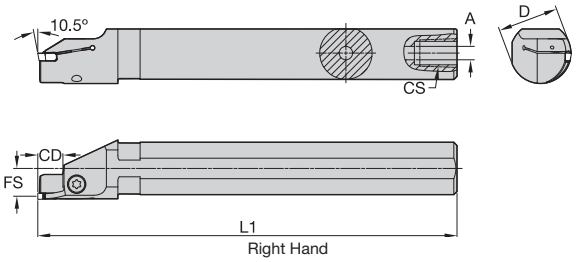
screw catalogue number	screw order number	torque Nm	torque in. lbs.	thread	socket	wrench catalogue number	wrench order number
MS1160	1099645	7	62	M5	T20	KT20	1022703
MS1162	1127019	9	80	M6	T25	KT25	1022725
MS1163	1124104	18	159	M8	T30	KT30L	1099676
MS1273	1020977	4	35.4	M4	T15	KT15	1022701
MS1490	2263299	17	151	M8	T45	KT45	1018227
MS1595	1094300	12	106	M6	T30	KT30	1099676
MS1970	1106668	12	106	M6	T30	KT30	1099676
MS2002	1621087	9	80	M6	T25	KT25	1022725
MS2091	1931147	9	80	M5	25IP	K25IP	2050113








Left Hand




Right Hand

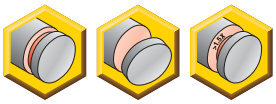
Steel Face Grooving Boring Bar • Metric

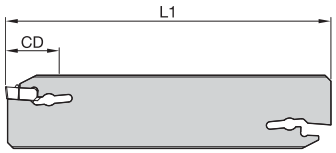


order number	catalogue number	seat size	CD	D	D min	D max	L1	F	CS	Torx clamp screw	Torx
right hand											
6116521	**A25REVSAR0212M026030**	2	12,00	25	26	30	200	13	1/4-18 NPT	**MS1160**	T20
6116522	**A25REVSAR0312M030035**	3	12,00	25	30	35	200	13	–	**MS1162**	T25
6116297	**A32SEVSAR0312M033042**	3	12,00	32	33	42	250	16	1/4-18 NPT	**MS1162**	T25
6116299	**A40TEVSAR0312M041050**	3	12,00	40	41	50	300	20	1/4-18 NPT	**MS1162**	T25
left hand											
6116527	**A25REVSAL0212M026030**	2	12,00	25	26	30	200	13	1/4-18 NPT	**MS1160**	T20
6116528	**A25REVSAL0312M030035**	3	12,00	25	30	35	200	13	1/4-18 NPT	**MS1162**	T25
6116298	**A32SEVSAL0312M033042**	3	12,00	32	33	42	250	16	1/4-18 NPT	–	T25
6116300	**A40TEVSAL0312M041050**	3	12,00	40	41	50	300	20	1/4-18 NPT	**MS1162**	T25

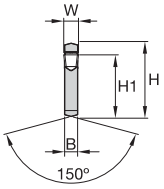
screw catalogue number	screw order number	torque Nm	torque in. lbs.	thread	socket	wrench catalogue number	wrench order number
MS1160	**1099645**	7	62	M5	T20	**KT20**	**1022703**
MS1162	**1127019**	9	80	M6	T25	**KT25**	**1022725**
MS1163	**1124104**	18	159	M8	T30	**KT30L**	**1099676**
MS1273	**1020977**	4	35.4	M4	T15	**KT15**	**1022701**
MS1490	**2263299**	17	151	M8	T45	**KT45**	**1018227**
MS1595	**1094300**	12	106	M6	T30	**KT30**	**1099676**
MS1970	**1106668**	12	106	M6	T30	**KT30**	**1099676**
MS2002	**1621087**	9	80	M6	T25	**KT25**	**1022725**
MS2091	**1931147**	9	80	M5	25IP	**K25IP**	**2050113**

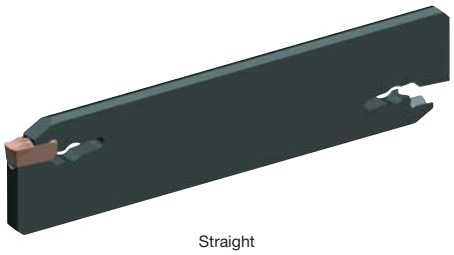
- For deep groove and cut-off applications.
- Universal pocket for holding all insert geometries.



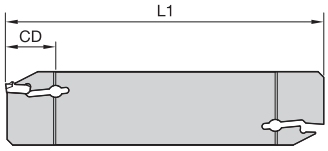


Straight

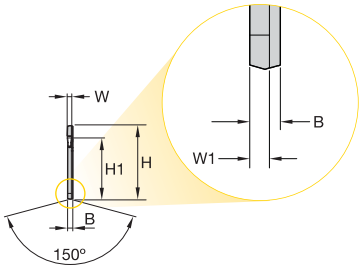


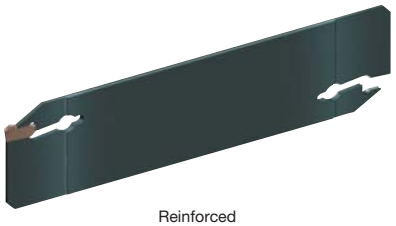


Straight



Reinforced





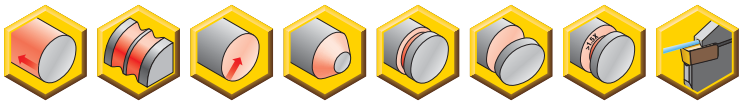
Reinforced

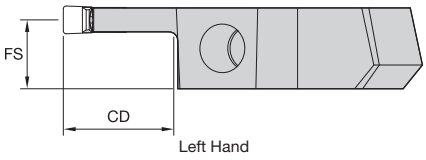
Double-Ended Cut-Off Blade

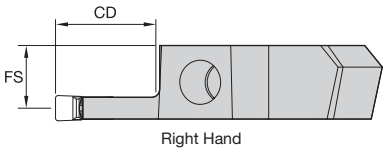
order number	catalogue number	seat size	H	W	W1	H1	L1	B	CD	assembly wrench
left hand										
5941706	**EVBSN19G1B14**	1B	19	1,4	1,15	15,5	90	1,80	14	**SCW5E**
5941708	**EVBSN26J1B15**	1B	26	1,4	1,15	21,5	110	1,80	15	**SCW5E**
5955391	**EVBSN19G1F16**	1F	19	1,6	1,30	15,5	90	1,80	16	**SCW5E**
5955392	**EVBSN26J1F17**	1F	26	1,6	1,30	21,5	110	1,80	17	**SCW5E**
5941707	**EVBSN19G0220**	2	19	2,0	–	15,5	90	1,65	–	**SCW5E**
5941709	**EVBSN26J0230**	2	26	2,0	–	21,5	110	1,65	–	**SCW5E**
5941710	**EVBSN26M0230**	2	26	2,0	–	21,5	150	1,65	–	**SCW5E**
5941724	**EVBSN32M0250**	2	32	2,0	–	25,1	150	1,65	–	**SCW5E**
5941721	**EVBSN26J0340**	3	26	3,0	–	21,5	110	2,40	–	**SCW5E**
5941722	**EVBSN26M0340**	3	26	3,0	–	21,5	150	2,40	–	**SCW5E**
5941725	**EVBSN32M0350**	3	32	3,0	–	25,1	150	2,40	–	**SCW5E**
5941723	**EVBSN26J0440**	4	26	4,0	–	21,5	110	3,40	–	**SCW5E**
5941726	**EVBSN32M0450**	4	32	4,0	–	25,1	150	3,40	–	**SCW5E**
5977635	**EVBSN26J0540**	5	26	5,0	–	21,5	110	4,40	–	**SCW5E**
5977637	**EVBSN32M0560**	5	32	5,0	–	25,1	150	4,40	–	**SCW5E**
5977636	**EVBSN26J0640**	6	26	6,0	–	21,5	110	5,40	–	**SCW8E**
5977638	**EVBSN32M0660**	6	32	6,0	–	25,1	150	5,40	–	**SCW8E**
5977640	**EVBSN52X06120**	6	53	6,0	–	45,3	260	5,40	–	**SCW8E**
5977639	**EVBSN32M0860**	8	32	8,0	–	25,1	150	7,00	–	**SCW8E**
5977721	**EVBSN52X08120**	8	53	8,0	–	45,3	260	7,00	–	**SCW8E**

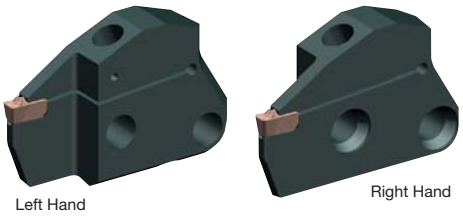
NOTE: Assembly wrench supplied with blade.

- Maximum support for specific groove width and straight clearance for unlimited diameter.
- Through the pocket coolant capable.
- Universal pocket for holding all insert geometries.

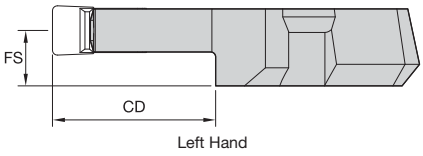


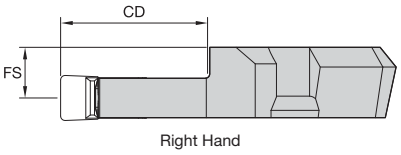


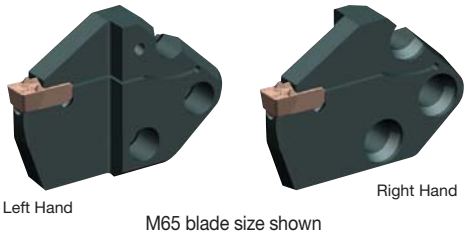




M50 blade size shown







M65 blade size shown

Modular Straight Blade with Coolant

order number	catalogue number	seat size	CD	FS	blade size
right hand					
6031041	**EVM50R1F12M**	1F	12,0	11,00	50
6030969	**EVM50R0212M**	2	12,0	10,88	50
5955423	**EVM50R0216M**	2	16,0	10,88	50
5979200	**EVM50R0312MC**	3	12,0	10,43	50
5979010	**EVM50R0316MC**	3	16,0	10,43	50
5979181	**EVM50R0322MC**	3	22,0	10,43	50
5979201	**EVM50R0412MC**	4	12,0	9,93	50
5979182	**EVM50R0416MC**	4	16,0	9,93	50
5979183	**EVM50R0422MC**	4	22,0	9,93	50
5979198	**EVM50R0426MC**	4	26,0	9,93	50
5979184	**EVM50R0432MC**	4	32,0	9,93	50
6031031	**EVM50R0512MC**	5	12,0	9,43	50
6031033	**EVM50R0516MC**	5	16,0	9,43	50
5955415	**EVM50R0526MC**	5	26,0	9,43	50
5955416	**EVM50R0532MC**	5	32,0	9,43	50
6031035	**EVM65R0616MC**	6	16,0	9,88	65
5955417	**EVM65R0626MC**	6	26,0	9,88	65
6031037	**EVM65R0632MC**	6	32,0	9,88	65
6031039	**EVM65R0816MC**	8	16,0	9,00	65
5955418	**EVM65R0826MC**	8	26,0	9,00	65

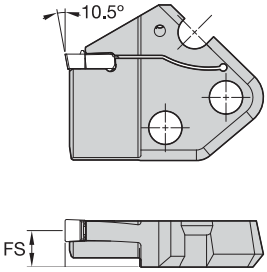
(continued)

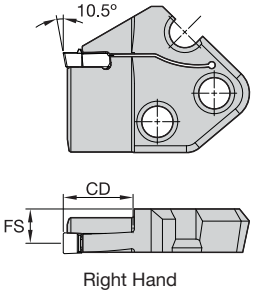
(Modular Straight Blade with Coolant — continued)

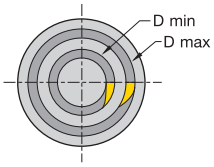
order number	catalogue number	seat size	CD	FS	blade size
left hand					
6031042	**EVM50L1F12M**	1F	12,0	11,00	50
6030970	**EVM50L0212M**	2	12,0	10,88	50
5955424	**EVM50L0216M**	2	16,0	10,88	50
5979202	**EVM50L0312MC**	3	12,0	10,43	50
5979185	**EVM50L0316MC**	3	16,0	10,43	50
5979186	**EVM50L0322MC**	3	22,0	10,43	50
5979203	**EVM50L0412MC**	4	12,0	9,93	50
5979187	**EVM50L0416MC**	4	16,0	9,93	50
5979188	**EVM50L0422MC**	4	22,0	9,93	50
5979199	**EVM50L0426MC**	4	26,0	9,93	50
5979189	**EVM50L0432MC**	4	32,0	9,93	50
6031032	**EVM50L0512MC**	5	12,0	9,93	50
6031034	**EVM50L0516MC**	5	16,0	9,43	50
5955419	**EVM50L0526MC**	5	26,0	9,43	50
5955420	**EVM50L0532MC**	5	32,0	9,43	50
6031036	**EVM65L0616MC**	6	16,0	9,88	65
5955421	**EVM65L0626MC**	6	26,0	9,88	65
6031038	**EVM65L0632MC**	6	32,0	9,88	65
6031040	**EVM65L0816MC**	8	16,0	9,00	65
5955422	**EVM65L0826MC**	8	26,0	9,00	65

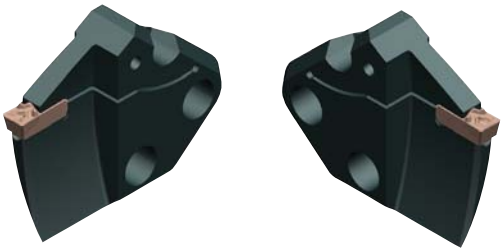
NOTE: Through the pocket coolant available in seat sizes 3 and higher.



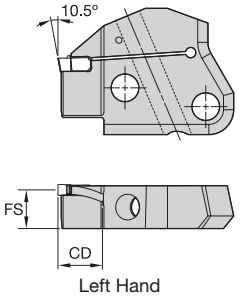


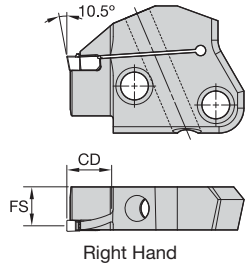


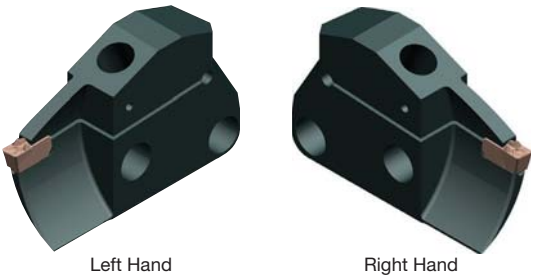




M65 blade size shown







M50 blade size shown

Modular Inboard Face Grooving Blade with Coolant

order number	catalogue number	seat size	D min	D max	CD	FS	blade size
right hand							
6097181	**EVM50R0312A035040C**	3	35	40	12,0	10,50	50
6097182	**EVM50R0312A040050C**	3	40	50	12,0	10,50	50
6097183	**EVM50R0312A050060C**	3	50	60	12,0	10,50	50
6097184	**EVM50R0312A060075C**	3	60	75	12,0	10,50	50
6116789	**EVM50R0312A075100C**	3	75	100	12,0	10,50	50
6117063	**EVM50R0312A100180C**	3	100	180	12,0	10,50	50
6117067	**EVM50R0312A180250C**	3	180	250	12,0	10,50	50
6117071	**EVM50R0312A250350C**	3	250	350	12,0	10,50	50
6117075	**EVM50R0312A350999C**	3	350	999	12,0	10,50	50
6097185	**EVM50R0320A075100C**	3	75	100	20,0	10,50	50
6097186	**EVM50R0320A100180C**	3	100	180	20,0	10,50	50
6097187	**EVM50R0320A180250C**	3	180	250	20,0	10,50	50
6097188	**EVM50R0320A250350C**	3	250	350	20,0	10,50	50
6097189	**EVM50R0320A350999C**	3	350	999	20,0	10,50	50
6079480	**EVM50R0416A040050C**	4	40	50	16,0	10,00	50
6079481	**EVM50R0416A050060C**	4	50	60	16,0	10,00	50
6079482	**EVM50R0416A060075C**	4	60	75	16,0	10,00	50
6079483	**EVM50R0416A075100C**	4	75	100	16,0	10,00	50
6117079	**EVM50R0416A100180C**	4	100	180	16,0	10,00	50
6117093	**EVM50R0416A180250C**	4	180	250	16,0	10,00	50
6117097	**EVM50R0416A250350C**	4	250	350	16,0	10,00	50
6117101	**EVM50R0416A350999C**	4	350	999	16,0	10,00	50
6079484	**EVM50R0426A100180C**	4	100	180	26,0	10,00	50

(continued)

(Modular Inboard Face Grooving Blade with Coolant — continued)

order number	catalogue number	seat size	D min	D max	CD	FS	blade size
6079485	EVM50R0426A180250C	4	180	250	26,0	10,00	50
6079486	EVM50R0426A250350C	4	250	350	26,0	10,00	50
6079487	EVM50R0426A350999C	4	350	999	26,0	10,00	50
6079488	EVM50R0520A050060C	5	50	60	20,0	9,50	50
6079489	EVM50R0520A060075C	5	60	75	20,0	9,50	50
6079490	EVM50R0520A075100C	5	75	100	20,0	9,50	50
6079491	EVM50R0520A100180C	5	100	180	20,0	9,50	50
6079492	EVM50R0520A180250C	5	180	250	20,0	9,50	50
6079493	EVM50R0520A250350C	5	250	350	20,0	9,50	50
6079494	EVM50R0520A350999C	5	350	999	20,0	9,50	50
6079223	EVM65R0620A060075C	6	60	75	20,0	9,88	65
6079224	EVM65R0620A075100C	6	75	100	20,0	9,88	65
6079225	EVM65R0620A100180C	6	100	180	20,0	9,88	65
6079226	EVM65R0620A180250C	6	180	250	20,0	9,88	65
6079227	EVM65R0620A250350C	6	250	350	20,0	9,88	65
6079228	EVM65R0620A350999C	6	350	999	20,0	9,88	65
6079229	EVM65R0820A080180C	8	80	180	20,0	9,00	65
6079230	EVM65R0820A180999C	8	180	999	20,0	9,00	65
left hand							
6097190	EVM50L0312A035040C	3	35	40	12,0	10,50	50
6097191	EVM50L0312A040050C	3	40	50	12,0	10,50	50
6097192	EVM50L0312A050060C	3	50	60	12,0	10,50	50
6097193	EVM50L0312A060075C	3	60	75	12,0	10,50	50
6116790	EVM50L0312A075100C	3	75	100	12,0	10,50	50
6117064	EVM50L0312A100180C	3	100	180	12,0	10,50	50
6117068	EVM50L0312A180250C	3	180	250	12,0	10,50	50
6117072	EVM50L0312A250350C	3	250	350	12,0	10,50	50
6117076	EVM50L0312A350999C	3	350	999	12,0	10,50	50
6097194	EVM50L0320A075100C	3	75	100	20,0	10,50	50
6097195	EVM50L0320A100180C	3	100	180	20,0	10,50	50
6097196	EVM50L0320A180250C	3	180	250	20,0	10,50	50
6097197	EVM50L0320A250350C	3	250	350	20,0	10,50	50
6097198	EVM50L0320A350999C	3	350	999	20,0	10,50	50
6079495	EVM50L0416A040050C	4	40	50	16,0	10,00	50
6079496	EVM50L0416A050060C	4	50	60	16,0	10,00	50
6079497	EVM50L0416A060075C	4	60	75	16,0	10,00	50
6079498	EVM50L0416A075100C	4	75	100	16,0	10,00	50
6117080	EVM50L0416A100180C	4	100	180	16,0	10,00	50
6117094	EVM50L0416A180250C	4	180	250	16,0	10,00	50
6117098	EVM50L0416A250350C	4	250	350	16,0	10,00	50
6117102	EVM50L0416A350999C	4	350	999	16,0	10,00	50
6079499	EVM50L0426A100180C	4	100	180	26,0	10,00	50
6079500	EVM50L0426A180250C	4	180	250	26,0	10,00	50
6079501	EVM50L0426A250350C	4	250	350	26,0	10,00	50

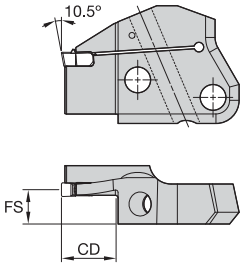
(continued)

(Modular Inboard Face Grooving Blade with Coolant — continued)

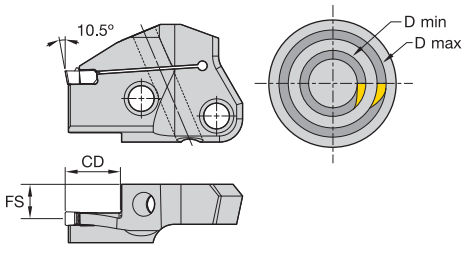
order number	catalogue number	seat size	D min	D max	CD	FS	blade size
6079502	EVM50L0426A350999C	4	350	999	26,0	10,00	50
6079503	EVM50L0520A050060C	5	50	60	20,0	9,50	50
6079504	EVM50L0520A060075C	5	60	75	20,0	9,50	50
6079505	EVM50L0520A075100C	5	75	100	20,0	9,50	50
6079506	EVM50L0520A100180C	5	100	180	20,0	9,50	50
6079507	EVM50L0520A180250C	5	180	250	20,0	9,50	50
6079508	EVM50L0520A250350C	5	250	350	20,0	9,50	50
6079509	EVM50L0520A350999C	5	350	999	20,0	9,50	50
6079234	EVM65L0620A060075C	6	60	75	20,0	9,88	65
6079235	EVM65L0620A075100C	6	75	100	20,0	9,88	65
6079236	EVM65L0620A100180C	6	100	180	20,0	9,88	65
6079237	EVM65L0620A180250C	6	180	250	20,0	9,88	65
6079238	EVM65L0620A250350C	6	250	350	20,0	9,88	65
6079239	EVM65L0620A350999C	6	350	999	20,0	9,88	65
6079240	EVM65L0820A080180C	8	80	180	20,0	9,00	65
6079241	EVM65L0820A180999C	8	180	999	20,0	9,00	65

NOTE: Through the pocket coolant available in seat sizes 3 and higher.

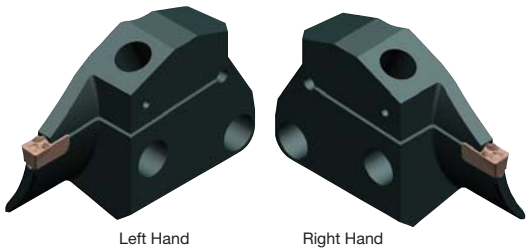




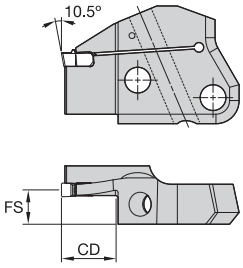
Left Hand



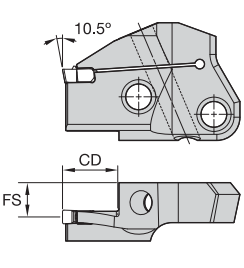
Right Hand


Left Hand Right Hand

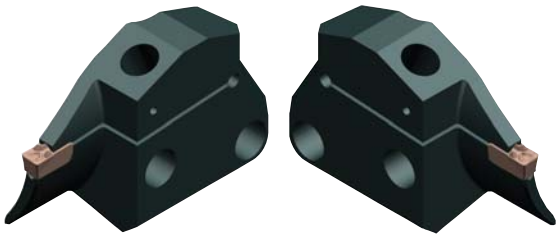
M65 blade size shown



Left Hand



Right Hand


Left Hand Right Hand

M50 blade size shown

Modular Outboard Face Grooving Blade with Coolant

order number	catalogue number	seat size	D min	D max	CD	FS	blade size
right hand							
6079340	**EVM50R0312B035040C**	3	35	40	12,0	10,50	50
6079411	**EVM50R0312B040050C**	3	40	50	12,0	10,50	50
6079412	**EVM50R0312B050060C**	3	50	60	12,0	10,50	50
6079413	**EVM50R0312B060075C**	3	60	75	12,0	10,50	50
6117061	**EVM50R0312B075100C**	3	75	100	12,0	10,50	50
6117065	**EVM50R0312B100180C**	3	100	180	12,0	10,50	50
6117069	**EVM50R0312B180250C**	3	180	250	12,0	10,50	50
6117073	**EVM50R0312B250350C**	3	250	350	12,0	10,50	50
6117077	**EVM50R0312B350999C**	3	350	999	12,0	10,50	50
6079414	**EVM50R0320B075100C**	3	75	100	20,0	10,50	50
6079415	**EVM50R0320B100180C**	3	100	180	20,0	10,50	50
6079416	**EVM50R0320B180250C**	3	180	250	20,0	10,50	50
6079417	**EVM50R0320B250350C**	3	250	350	20,0	10,50	50
6079418	**EVM50R0320B350999C**	3	350	999	20,0	10,50	50
6079429	**EVM50R0416B040050C**	4	40	50	16,0	10,00	50
6079430	**EVM50R0416B050060C**	4	50	60	16,0	10,00	50
6079451	**EVM50R0416B060075C**	4	60	75	16,0	10,00	50
6079452	**EVM50R0416B075100C**	4	75	100	16,0	10,00	50
6117091	**EVM50R0416B100180C**	4	100	180	16,0	10,00	50
6117095	**EVM50R0416B180250C**	4	180	250	16,0	10,00	50
6117099	**EVM50R0416B250350C**	4	250	350	16,0	10,00	50
6117103	**EVM50R0416B350999C**	4	350	999	16,0	10,00	50
6079453	**EVM50R0426B100180C**	4	100	180	26,0	10,00	50

(continued)

(Modular Outboard Face Grooving Blade with Coolant — continued)

order number	catalogue number	seat size	D min	D max	CD	FS	blade size
6079454	EVM50R0426B180250C	4	180	250	26,0	10,00	50
6079455	EVM50R0426B250350C	4	250	350	26,0	10,00	50
6079456	EVM50R0426B350999C	4	350	999	26,0	10,00	50
6079457	EVM50R0520B050060C	5	50	60	20,0	9,50	50
6079458	EVM50R0520B060075C	5	60	75	20,0	9,50	50
6079459	EVM50R0520B075100C	5	75	100	20,0	9,50	50
6079460	EVM50R0520B100180C	5	100	180	20,0	9,50	50
6079461	EVM50R0520B180250C	5	180	250	20,0	9,50	50
6079462	EVM50R0520B250350C	5	250	350	20,0	9,50	50
6079463	EVM50R0520B350999C	5	350	999	20,0	9,50	50
6079246	EVM65R0620B060075C	6	60	75	20,0	9,88	65
6079247	EVM65R0620B075100C	6	75	100	20,0	9,88	65
6079248	EVM65R0620B100180C	6	100	180	20,0	9,88	65
6079249	EVM65R0620B180250C	6	180	250	20,0	9,88	65
6079250	EVM65R0620B250350C	6	250	350	20,0	9,88	65
6079261	EVM65R0620B350999C	6	350	999	20,0	9,88	65
6079262	EVM65R0820B080180C	8	80	180	20,0	9,00	65
6079263	EVM65R0820B180999C	8	180	999	20,0	9,00	65
left hand							
6079420	EVM50L0312B035040C	3	35	40	12,0	10,50	50
6079421	EVM50L0312B040050C	3	40	50	12,0	10,50	50
6079422	EVM50L0312B050060C	3	50	60	12,0	10,50	50
6079423	EVM50L0312B060075C	3	60	75	12,0	10,50	50
6117062	EVM50L0312B075100C	3	75	100	12,0	10,50	50
6117066	EVM50L0312B100180C	3	100	180	12,0	10,50	50
6117070	EVM50L0312B180250C	3	180	250	12,0	10,50	50
6117074	EVM50L0312B250350C	3	250	350	12,0	10,50	50
6117078	EVM50L0312B350999C	3	350	999	12,0	10,50	50
6079424	EVM50L0320B075100C	3	75	100	20,0	10,50	50
6079425	EVM50L0320B100180C	3	100	180	20,0	10,50	50
6079426	EVM50L0320B180250C	3	180	250	20,0	10,50	50
6079427	EVM50L0320B250350C	3	250	350	20,0	10,50	50
6079428	EVM50L0320B350999C	3	350	999	20,0	10,50	50
6079464	EVM50L0416B040050C	4	40	50	16,0	10,00	50
6079465	EVM50L0416B050060C	4	50	60	16,0	10,00	50
6079466	EVM50L0416B060075C	4	60	75	16,0	10,00	50
6079467	EVM50L0416B075100C	4	75	100	16,0	10,00	50
6117092	EVM50L0416B100180C	4	100	180	16,0	10,00	50
6117096	EVM50L0416B180250C	4	180	250	16,0	10,00	50
6117100	EVM50L0416B250350C	4	250	350	16,0	10,00	50
6117104	EVM50L0416B350999C	4	350	999	16,0	10,00	50
6079468	EVM50L0426B100180C	4	100	180	26,0	10,00	50
6079469	EVM50L0426B180250C	4	180	250	26,0	10,00	50
6079470	EVM50L0426B250350C	4	250	350	26,0	10,00	50

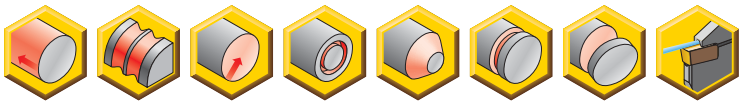
(continued)

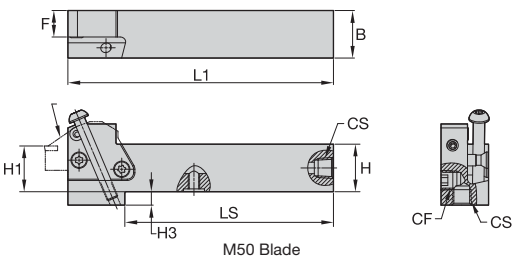
(Modular Outboard Face Grooving Blade with Coolant — continued)

order number	catalogue number	seat size	D min	D max	CD	FS	blade size
6079471	EVM50L0426B350999C	4	350	999	26,0	10,00	50
6079472	EVM50L0520B050060C	5	50	60	20,0	9,50	50
6079473	EVM50L0520B060075C	5	60	75	20,0	9,50	50
6079474	EVM50L0520B075100C	5	75	100	20,0	9,50	50
6079475	EVM50L0520B100180C	5	100	180	20,0	9,50	50
6079476	EVM50L0520B180250C	5	180	250	20,0	9,50	50
6079477	EVM50L0520B250350C	5	250	350	20,0	9,50	50
6079478	EVM50L0520B350999C	5	350	999	20,0	9,50	50
6079266	EVM65L0620B060075C	6	60	75	20,0	9,88	65
6079267	EVM65L0620B075100C	6	75	100	20,0	9,88	65
6079268	EVM65L0620B100180C	6	100	180	20,0	9,88	65
6079269	EVM65L0620B180250C	6	180	250	20,0	9,88	65
6079270	EVM65L0620B250350C	6	250	350	20,0	9,87	65
6079271	EVM65L0620B350999C	6	350	999	20,0	9,88	65
6079272	EVM65L0820B080180C	8	80	180	20,0	9,00	65
6079273	EVM65L0820B180999C	8	180	999	20,0	9,00	65

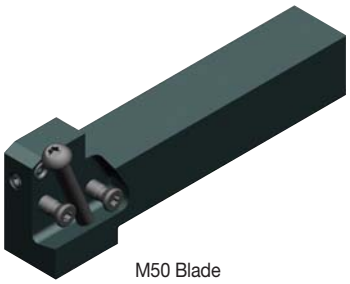
NOTE: Through the pocket coolant available in seat sizes 3 and higher.

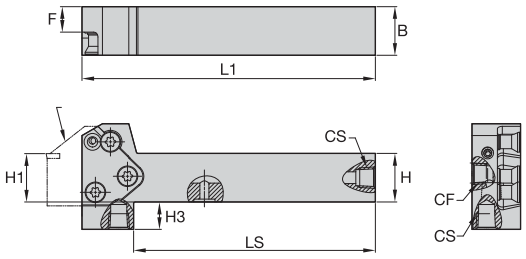
- Interchangeable blades for versatility and depth of cut.
- Through the pocket coolant capable.



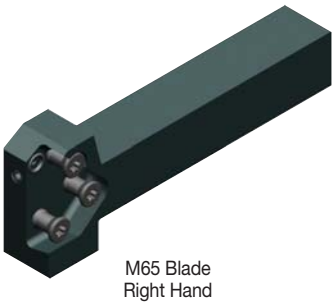


M50 Blade


M50 Blade
Right Hand



M65 Blade


M65 Blade
Right Hand

Modular Straight Toolholder with Coolant • Metric

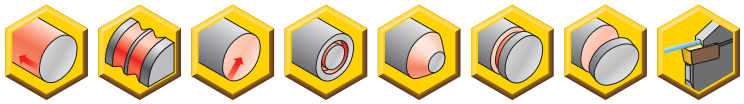


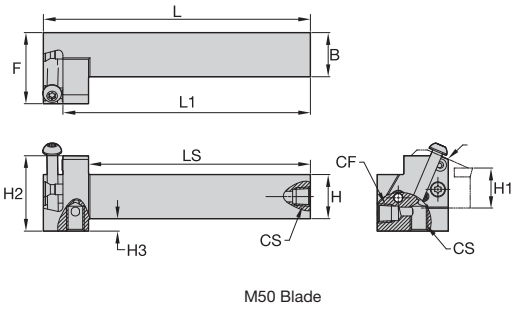
order number	catalogue number	B	H	H1	L1	F	CS	CF	LS	H3	blade size	blade screw	Torx	clamping screw	Torx
right hand															
5979190	**KGMSR2525M50C**	25	25	25	138,75	13,84	G 1/8	G 1/8	109,00	7,00	50	**MS1162**	T25	**MS2002**	T25
5979745	**KGMSR2525M65C**	25	25	25	150,00	13,00	G 1/8	G 1/8	122,00	14,00	65	**MS1163**	T30	**–**	–
5979746	**KGMSR3232P50C**	32	32	32	158,75	20,81	G 1/8	G 1/8	133,62	–	50	**MS1162**	T25	**MS2002**	T25
5979747	**KGMSR3232P65C**	32	32	32	170,00	20,00	G 1/8	G 1/8	138,50	7,00	65	**MS1163**	T30	**–**	–
left hand															
5979191	**KGMSL2525M50C**	25	25	25	138,75	13,84	G 1/8	G 1/8	109,00	7,00	50	**MS1162**	T25	**MS2002**	T25
5979748	**KGMSL2525M65C**	25	25	25	150,00	13,00	G 1/8	G 1/8	122,00	14,00	65	**MS1163**	T30	**–**	–
5979749	**KGMSL3232P50C**	32	32	32	158,75	20,80	G 1/8	G 1/8	133,62	–	50	**MS1162**	T25	**MS2002**	T25
5979750	**KGMSL3232P65C**	32	32	32	170,00	20,00	G 1/8	G 1/8	142,00	7,00	65	**MS1163**	T30	**–**	–

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).

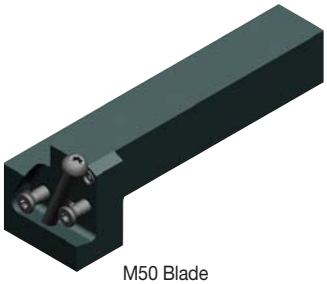
screw catalogue number	screw order number	torque Nm	torque in. lbs.	thread	socket	wrench catalogue number	wrench order number
MS1160	**1099645**	7	62	M5	T20	**KT20**	**1022703**
MS1162	**1127019**	9	80	M6	T25	**KT25**	**1022725**
MS1163	**1124104**	18	159	M8	T30	**KT30L**	**1099676**
MS1273	**1020977**	4	35.4	M4	T15	**KT15**	**1022701**
MS1490	**2263299**	17	151	M8	T45	**KT45**	**1018227**
MS1595	**1094300**	12	106	M6	T30	**KT30**	**1099676**
MS1970	**1106668**	12	106	M6	T30	**KT30**	**1099676**
MS2002	**1621087**	9	80	M6	T25	**KT25**	**1022725**
MS2091	**1931147**	9	80	M5	25IP	**K25IP**	**2050113**

- Interchangeable blades for versatility and depth of cut.
- Through the pocket coolant capable.

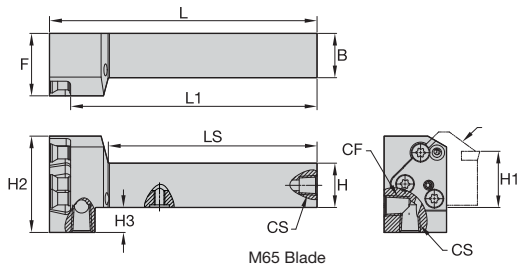




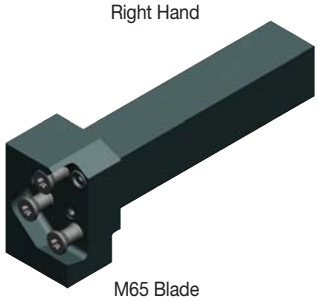
M50 Blade



M50 Blade
Right Hand



M65 Blade



M65 Blade
Right Hand

Modular End Mount Toolholder with Coolant • Metric

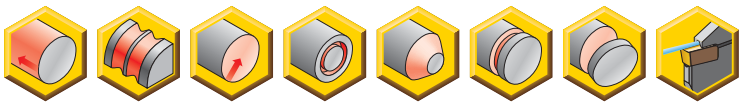


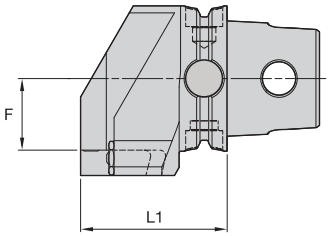
order number	catalogue number	B	H	H1	L1	F	CS	CF	LS	H3	blade size	blade screw	Torx	clamping screw	Torx
right hand															
5979765	**KGMER2525M65C**	25	25	25	138,15	35,00	G 1/8	G 1/8	117,00	14,00	65	**MS1163**	T30	**–**	–
5979192	**KGMER2525M50C**	25	25	25	139,25	40,00	G 1/8	G 1/8	124,85	7,00	50	**MS1162**	T25	**MS2002**	T25
5979767	**KGMER3232P65C**	32	32	32	158,15	35,00	G 1/8	G 1/8	137,00	7,00	65	**MS1163**	T30	**–**	–
5979766	**KGMER3232P50C**	32	32	32	159,25	40,00	G 1/8	G 1/8	145,25	–	50	**MS1162**	T25	**MS2002**	T25
left hand															
5979768	**KGMEL2525M65C**	25	25	25	138,15	35,00	G 1/8	G 1/8	117,00	14,00	65	**MS1163**	T30	**–**	–
5979193	**KGMEL2525M50C**	25	25	25	139,25	40,00	G 1/8	G 1/8	124,85	7,00	50	**MS1162**	T25	**MS2002**	T25
5979770	**KGMEL3232P65C**	32	32	32	158,15	35,00	G 1/8	G 1/8	137,00	7,00	65	**MS1163**	T30	**–**	–
5979769	**KGMEL3232P50C**	32	32	32	159,25	40,00	G 1/8	G 1/8	145,25	–	50	**MS1162**	T25	**MS2002**	T25

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).

screw catalogue number	screw order number	torque Nm	torque in. lbs.	thread	socket	wrench catalogue number	wrench order number
MS1160	**1099645**	7	62	M5	T20	**KT20**	**1022703**
MS1162	**1127019**	9	80	M6	T25	**KT25**	**1022725**
MS1163	**1124104**	18	159	M8	T30	**KT30L**	**1099676**
MS1273	**1020977**	4	35.4	M4	T15	**KT15**	**1022701**
MS1490	**2263299**	17	151	M8	T45	**KT45**	**1018227**
MS1595	**1094300**	12	106	M6	T30	**KT30**	**1099676**
MS1970	**1106668**	12	106	M6	T30	**KT30**	**1099676**
MS2002	**1621087**	9	80	M6	T25	**KT25**	**1022725**
MS2091	**1931147**	9	80	M5	25IP	**K25IP**	**2050113**

- Best-in-class KM Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.






Right Hand

KM QUICK CHANGE

Modular Straight KM System with Coolant

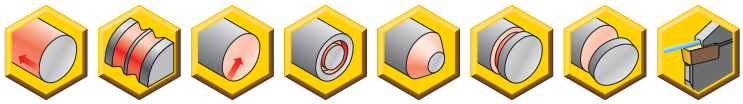


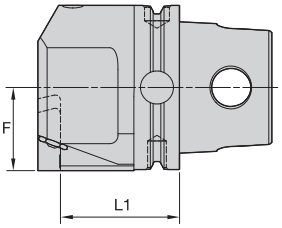


order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
5999790	**KM40TSKGMSR50C**	KM40TS	53,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000422	**KM50TSKGMSR65C**	KM50TS	53,5	22,0	65	**MS1163**	T30	**–**	–
5999864	**KM50TSKGMSR50C**	KM50TS	58,5	23,0	50	**MS1162**	T25	**MS2002**	T25
6000431	**KM63TSKGMSR65C**	KM63TS	58,5	30,0	65	**MS1163**	T30	**–**	–
5999948	**KM63TSKGMSR50C**	KM63TS	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
5999972	**KM63XMZKGMSR50CY**	KM63XMZ	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
6017695	**KM80TSKGMSR65C**	KM80TS	63,5	40,0	65	**MS1163**	T30	**–**	–
6000018	**KM80ATCKGMSR50C**	KM80ATC	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25
6000014	**KM80TSKGMSR50C**	KM80TS	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25
left hand									
5999861	**KM40TSKGMSL50C**	KM40TS	53,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000424	**KM50TSKGMSL65C**	KM50TS	53,5	22,0	65	**MS1163**	T30	**–**	–
5999865	**KM50TSKGMSL50C**	KM50TS	58,5	23,0	50	**MS1162**	T25	**MS2002**	T25
6000433	**KM63TSKGMSL65C**	KM63TS	58,5	30,0	65	**MS1163**	T30	**–**	–
5999949	**KM63TSKGMSL50C**	KM63TS	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
5999973	**KM63XMZKGMSLF50CY**	KM63XMZ	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
6017696	**KM80TSKGMSL65C**	KM80TS	63,5	40,0	65	**MS1163**	T30	**–**	–
6000019	**KM80ATCKGMSL50C**	KM80ATC	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25
6000015	**KM80TSKGMSL50C**	KM80TS	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).

- Best-in-class KM Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.






Right Hand

KM QUICK CHANGE

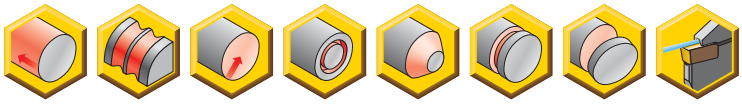
Modular End Mount KM System with Coolant • Metric

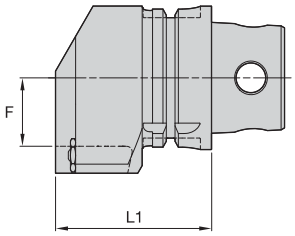


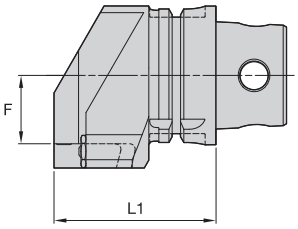

order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
5999788	**KM40TSKGMER50C**	KM40TS	28,0	20,50	50	**MS1162**	T25	**MS2002**	T25
5999862	**KM50TSKGMER50C**	KM50TS	38,0	25,50	50	**MS1162**	T25	**MS2002**	T25
6000410	**KM50TSKGMER65C**	KM50TS	47,0	25,50	65	**MS1163**	T30	**–**	–
6000425	**KM63TSKGMER65C**	KM63TS	47,0	32,52	65	**MS1163**	T30	**–**	–
5999946	**KM63TSKGMER50C**	KM63TS	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6000434	**KM63XMZKGMER65CY**	KM63XMZ	47,0	32,50	65	**MS1163**	T30	**–**	–
5999950	**KM63XMZKGMER50CY**	KM63XMZ	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6017697	**KM80ATCKGMER65C**	KM80ATC	57,0	40,50	65	**MS1163**	T30	**–**	–
6000016	**KM80ATCKGMER50C**	KM80ATC	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25
6017693	**KM80TSKGMER65C**	KM80TS	57,0	40,50	65	**MS1163**	T30	**–**	–
6000012	**KM80TSKGMER50C**	KM80TS	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25
left hand									
5999789	**KM40TSKGMEL50C**	KM40TS	28,0	20,50	50	**MS1162**	T25	**MS2002**	T25
5999863	**KM50TSKGMEL50C**	KM50TS	38,0	25,50	50	**MS1162**	T25	**MS2002**	T25
6000421	**KM50TSKGMEL65C**	KM50TS	47,0	25,50	65	**MS1163**	T30	**–**	–
6000430	**KM63TSKGMEL65C**	KM63TS	47,0	32,52	65	**MS1163**	T30	**–**	–
5999947	**KM63TSKGMEL50C**	KM63TS	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6000436	**KM63XMZKGMELF65CY**	KM63XMZ	47,0	32,50	65	**MS1163**	T30	**–**	–
5999971	**KM63XMZKGMELF50CY**	KM63XMZ	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6017698	**KM80ATCKGMEL65C**	KM80ATC	57,0	40,50	65	**MS1163**	T30	**–**	–
6000017	**KM80ATCKGMEL50C**	KM80ATC	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25
6017694	**KM80TSKGMEL65C**	KM80TS	57,0	40,50	65	**MS1163**	T30	**–**	–
6000013	**KM80TSKGMEL50C**	KM80TS	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25

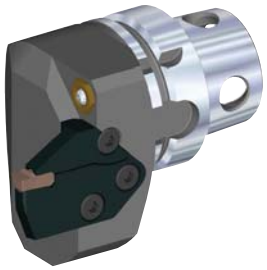
NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).

- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.









Right Hand

Modular Straight KM4X™ System with Coolant

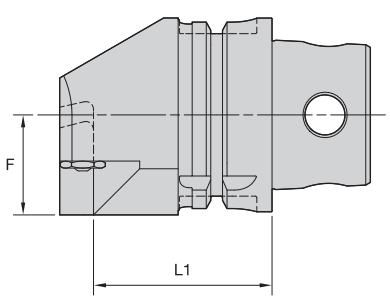


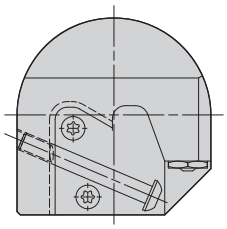


order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
5543560	**KM4X63KGMSR65C**	KM4X63	68,5	30,0	65	**MS1163**	T30	**–**	–
6000407	**KM4X63KGMSR50C**	KM4X63	73,5	31,0	50	**MS1162**	T25	**MS2002**	T25
left hand									
5543558	**KM4X63KGMSL65C**	KM4X63	68,5	30,0	65	**MS1163**	T30	**–**	–
6000408	**KM4X63KGMSL50C**	KM4X63	73,5	31,0	50	**MS1162**	T25	**MS2002**	T25

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).



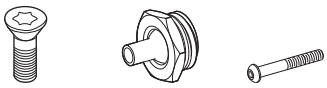






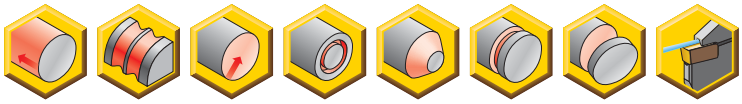
Right Hand

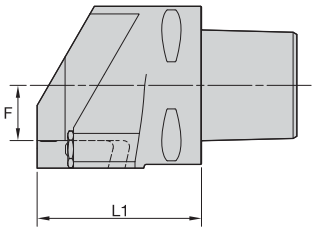
Modular End Mount KM4X™ System with Coolant

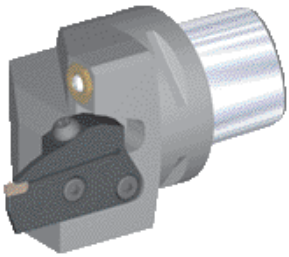


order number	catalogue number	CSMS system size	L1	F	cartridge size	blade screw	nozzle	clamp screw	kg	lbs
right hand										
5543555	**KM4X63KGMER65C**	KM4X63	57,0	32,5	65	**MS1163**	**PMT04525**	**–**	1,87	4.13
6000404	**KM4X63KGMER50C**	KM4X63	58,0	32,5	50	**MS1162**	**PMT04525**	**MS2002**	1,85	4.08
6000407	**KM4X63KGMSR50C**	KM4X63	73,5	31,0	50	**MS1162**	**PMT04525**	**MS2002**	1,86	4.11
left hand										
5543553	**KM4X63KGMEL65C**	KM4X63	57,0	32,5	65	**MS1163**	**PMT04525**	**–**	1,87	4.13
6000405	**KM4X63KGMEL50C**	KM4X63	58,0	32,5	50	**MS1162**	**PMT04525**	**MS2002**	1,85	4.08
6000408	**KM4X63KGMSL50C**	KM4X63	73,5	31,0	50	**MS1162**	**PMT04525**	**MS2002**	1,86	4.11

- Standard PSC Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.







Right Hand

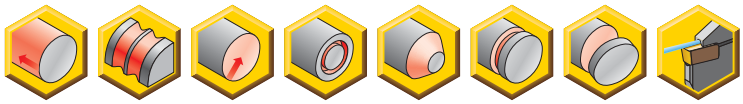
Modular Straight PSC System with Coolant

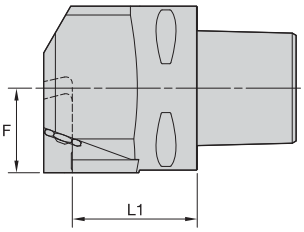


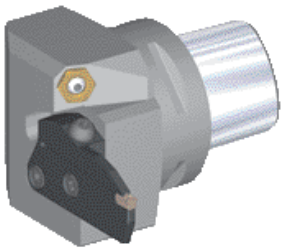


order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
6000028	**PSC40KGMSR50C**	PSC40	63,5	10,0	50	**MS1162**	T25	**MS2002**	T25
5405654	**PSC50KGMSR65C**	PSC50	49,0	25,5	65	**MS1163**	T30	**–**	–
6000152	**PSC50KGMSR50C**	PSC50	63,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000464	**PSC63KGMSR65C**	PSC63	60,5	21,0	65	**MS1163**	T30	**–**	–
6000211	**PSC63KGMSR50C**	PSC63	65,5	22,0	50	**MS1162**	T25	**MS2002**	T25
6000468	**PSC80KGMSR65C**	PSC80	68,5	29,0	65	**MS1163**	T30	**–**	–
6000216	**PSC80KGMSR50C**	PSC80	73,5	30,0	50	**MS1162**	T25	**MS2002**	T25
left hand									
6000029	**PSC40KGMSL50C**	PSC40	63,5	10,0	50	**MS1162**	T25	**MS2002**	T25
5405655	**PSC50KGMSL65C**	PSC50	49,0	25,5	65	**MS1163**	T30	**–**	–
6000153	**PSC50KGMSL50C**	PSC50	63,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000465	**PSC63KGMSL65C**	PSC63	60,5	21,0	65	**MS1163**	T30	**–**	–
6000213	**PSC63KGMSL50C**	PSC63	65,5	22,0	50	**MS1162**	T25	**MS2002**	T25
6000469	**PSC80KGMSL65C**	PSC80	68,5	29,0	65	**MS1163**	T30	**–**	–
6000217	**PSC80KGMSL50C**	PSC80	73,5	30,0	50	**MS1162**	T25	**MS2002**	T25

- Standard PSC Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.







Right Hand

Modular End Mount PSC System with Coolant





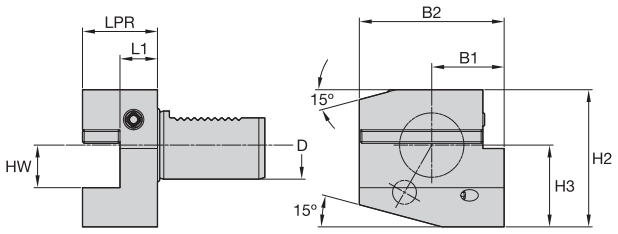
order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
6000026	**PSC40KGMER50C**	PSC40	33,0	20,5	50	**MS1162**	T25	**MS2002**	T25
6000030	**PSC50KGMER50C**	PSC50	43,0	25,5	50	**MS1162**	T25	**MS2002**	T25
5405652	**PSC50KGMER65C**	PSC50	55,5	22,0	65	**MS1163**	T30	**–**	–
6000159	**PSC63KGMER50C**	PSC63	48,0	32,5	50	**MS1162**	T25	**MS2002**	T25
6000462	**PSC63KGMER65C**	PSC63	49,0	32,5	65	**MS1163**	T30	**–**	–
6000466	**PSC80KGMER65C**	PSC80	57,0	40,5	65	**MS1163**	T30	**–**	–
6000214	**PSC80KGMER50C**	PSC80	58,0	40,5	50	**MS1162**	T25	**MS2002**	T25
left hand									
6000027	**PSC40KGMEL50C**	PSC40	33,0	20,5	50	**MS1162**	T25	**MS2002**	T25
6000151	**PSC50KGMEL50C**	PSC50	43,0	25,5	50	**MS1162**	T25	**MS2002**	T25
5405653	**PSC50KGMEL65C**	PSC50	55,5	22,0	65	**MS1163**	T30	**–**	–
6000160	**PSC63KGMEL50C**	PSC63	48,0	32,5	50	**MS1162**	T25	**MS2002**	T25
6000463	**PSC63KGMEL65C**	PSC63	49,0	32,5	65	**MS1163**	T30	**–**	–
6000467	**PSC80KGMEL65C**	PSC80	57,0	40,5	65	**MS1163**	T30	**–**	–
6000215	**PSC80KGMEL50C**	PSC80	58,0	40,5	50	**MS1162**	T25	**MS2002**	T25

VDI Toolholders



- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.







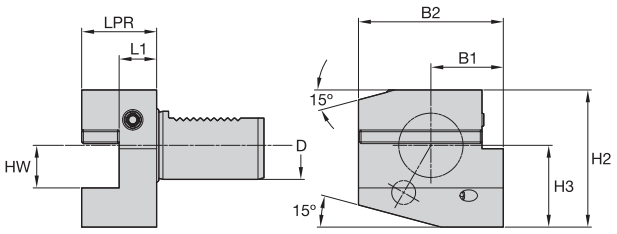
VDI Form B1• HPC • Right Hand Short • Metric

order number	catalogue number	D	B2	B1	HW	H2	H3	L1	LPR
6151491	**VDIB1M302040C**	30,00	70,00	35,00	20,00	66,00	38,00	22,00	40,00
6151492	**VDIB1M402544C**	40,00	85,00	42,50	25,00	80,50	48,00	22,00	44,00

VDI Form B2 • Left Hand Short

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.





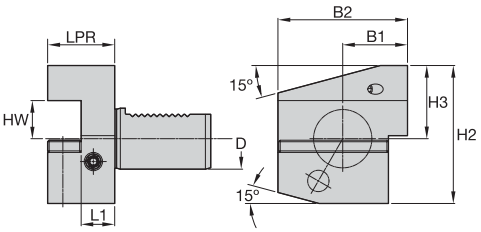


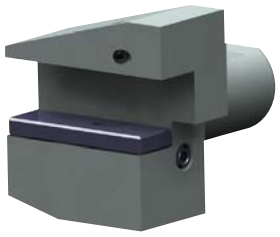
Artwork shows right hand tool.
Left hand tool mirror inverted.

VDI Form B2 • HPC • Left Hand Short • Metric

order number	catalogue number	D	B2	B1	HW	H2	H3	L1	LPR
6151493	**VDIB2M302040C**	30,00	70,00	35,00	20,00	66,00	38,00	22,00	40,00
6151494	**VDIB2M402544C**	40,00	85,00	42,50	25,00	80,50	48,00	22,00	44,00

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.



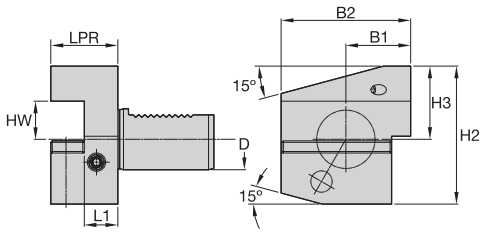


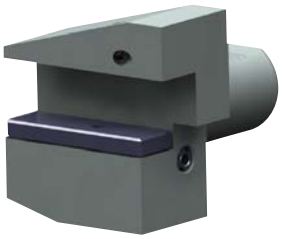
VDI Form B3 • HPC • Right Hand Short Inverted • Metric

order number	catalogue number	D	B2	B1	HW	H2	H3	L1	LPR
6151495	VDIB3M302040C	30,00	70,00	35,00	20,00	73,00	38,00	22,00	40,00
6151497	VDIB3M402544C	40,00	85,00	42,50	25,00	90,50	48,00	22,00	44,00

VDI Form B4 • Left Hand Short Inverted

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.





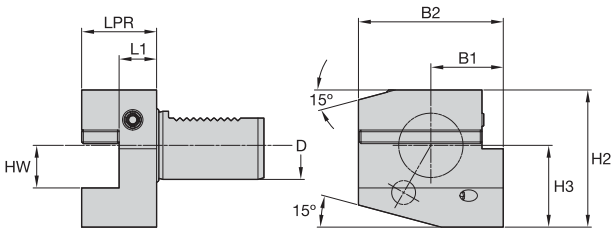
Artwork shows right hand tool.
Left hand tool mirror inverted.

VDI Form B4 • HPC • Left Hand Short Inverted • Metric

order number	catalogue number	D	B2	B1	HW	H2	H3	L1	LPR
6151498	VDIB4M302040C	30,00	70,00	35,00	20,00	73,00	38,00	22,00	40,00
6151499	VDIB4M402544C	40,00	85,00	42,50	25,00	90,50	48,00	22,00	44,00

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.







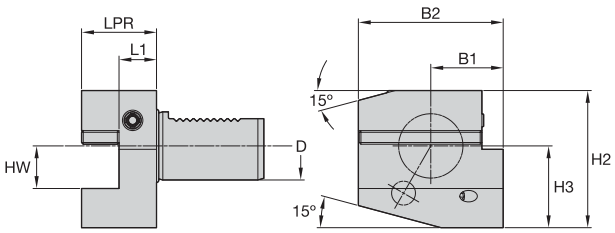
VDI Form B5 • HPC • Right Hand Long • Metric

order number	catalogue number	D	B2	B1	HW	H2	H3	L1	LPR
6151500	VDIB5M302040C	30,00	100,00	65,00	20,00	66,00	38,00	22,00	40,00
6151511	VDIB5M402544C	40,00	118,00	75,50	25,00	80,50	48,00	22,00	44,00

VDI Form B6 • Left Hand Long

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.







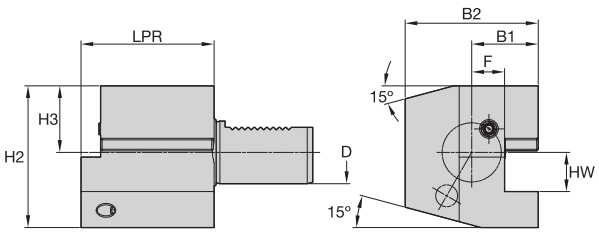
Artwork shows right hand tool.
Left hand tool mirror inverted.

VDI Form B6 • HPC • Left Hand Long • Metric

order number	catalogue number	D	B2	B1	HW	H2	H3	L1	LPR
6151512	VDIB6M302040C	30,00	100,00	65,00	20,00	66,00	38,00	22,00	40,00
6151513	VDIB6M402544C	40,00	118,00	75,50	25,00	80,50	48,00	22,00	44,00

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.







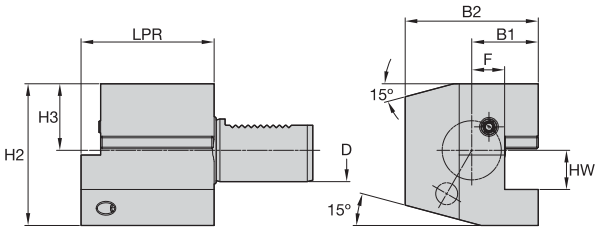
VDI Form C1 • HPC • Right Hand • Metric

order number	catalogue number	D	B2	B1	F	HW	H2	H3	LPR
6151514	**VDIC1M302070C**	30,00	70,00	35,00	17,00	20,00	66,00	38,00	70,00
6151515	**VDIC1M402585C**	40,00	85,00	42,50	21,00	25,00	80,50	48,00	85,00

VDI Form C2 • Left Hand

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.







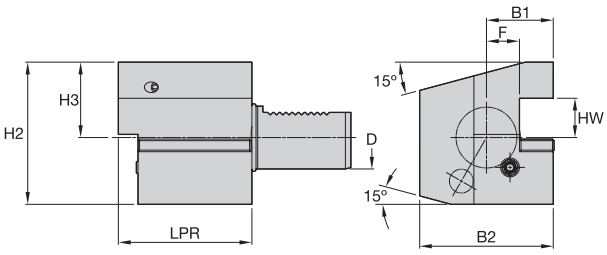
Artwork shows right hand tool.
Left hand tool mirror inverted.

VDI Form C2 • HPC • Left Hand • Metric

order number	catalogue number	D	B2	B1	F	HW	H2	H3	LPR
6151516	**VDIC2M302070C**	30,00	76,00	41,00	23,00	20,00	66,00	38,00	70,00
6151517	**VDIC2M402585C**	40,00	90,00	47,50	25,50	25,00	80,50	48,00	85,00

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.





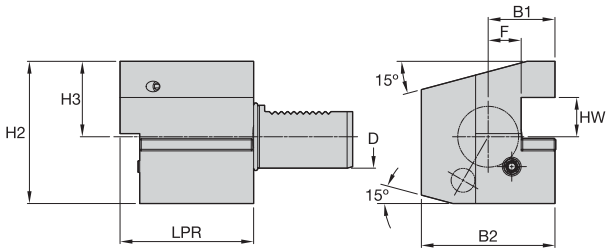


VDI Form C3 • HPC • Right Hand Inverted • Metric

order number	catalogue number	D	B2	B1	F	HW	H2	H3	LPR
6151518	**VDIC3M302070C**	30,00	70,00	35,00	17,00	20,00	73,00	38,00	70,00
6151519	**VDIC3M402585C**	40,00	85,00	42,50	21,00	25,00	90,50	48,00	85,00

- VDI adaptor with coolant support for square shank toolholder.
- ISO 10889.





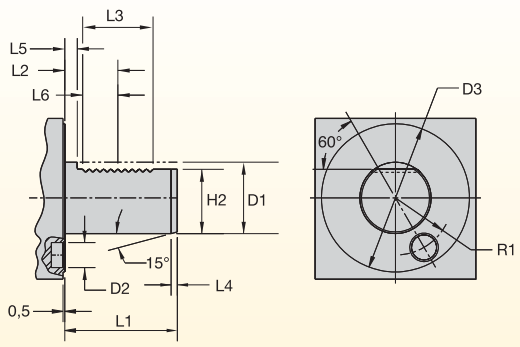


Artwork shows right hand tool.
Left hand tool mirror inverted.

VDI Form C4 • HPC • Left Hand Inverted • Metric

order number	catalogue number	D	B2	B1	F	HW	H2	H3	LPR
6151520	**VDIC4M302070C**	30,00	70,00	35,00	17,00	20,00	73,00	38,00	70,00
6151521	**VDIC4M402585C**	40,00	85,00	42,50	21,00	25,00	90,50	48,00	85,00

Shank Specifications



	D1	D2	D3	L1	L2	L3	L4	L5	L6	H2	R1
30	30,00	14,00	68,00	55,00	29,70	40,00	2,00	7,00	20,00	27,00	25,00
	1.181	0.551	2.677	2.165	1.169	1.575	0.079	0.276	0.787	1.063	0.984
40	40,00	14,00	83,00	63,00	29,70	40,00	3,00	7,00	20,00	36,00	32,00
	1.575	0.551	3.268	2.480	1.169	1.575	0.118	0.276	0.787	1.417	1.260
50	50,00	16,00	98,00	78,00	35,70	48,00	3,00	8,00	24,00	45,00	37,00
	1.969	0.630	3.858	3.071	1.406	1.890	0.118	0.315	0.945	1.772	1.457
60	60,00	16,00	123,00	94,00	43,70	56,00	4,00	10,00	28,00	55,00	48,00
	2.362	0.630	4.843	3.701	1.720	2.205	0.157	0.394	1.102	2.165	1.890

A4™ Tooling and Beyond™ Inserts



Choose A4 tooling for turning, facing, grooving, face grooving, and cut-off applications across a broad range of workpiece materials. The unique clamping system and versatile insert geometry delivers a very high metal removal rate.

FEATURES AND BENEFITS

A4 Grooving and Turning System

- One tool for turning, facing, grooving, face-grooving, and cut-off in O.D. and I.D. applications means exceptionally fast cycle times, no turret indexes!
- Extra-long clamping area, ground 120° bottom prism seating surface, and an exclusive top guide rail combine to deliver unsurpassed grooving and side-turning stability!
- Precise insert positioning is ensured for accurate cuts!
- Rigid clamping securely locks insert in place through the toughest cuts.
- Versatile design enables one system to handle O.D. and I.D. grooving, face grooving, back turning, undercutting, and even threading operations.
- Chip control inserts provide excellent chip evacuation in grooving, and offer better chip control in multidirectional turning.

Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com.**

KENNAMETAL®

kennametal.com



beyond™ EVOLUTION™

Connecting the tool to your machine is easy. Just select one of the two available hose packages, and Active Coolant Control will be keeping you cool in no time!

Don't know exactly what you need?

To connect Beyond™ Evolution™ tooling to the industry's most common machines. The Kennametal universal coolant packs are ideal! Each pack contains the most common thread sizes with a variety of fitting styles for maximum flexibility.

Universal 200mm Coolant Pack

order number	catalogue number	quantity	description
6145372	COOL-KIT-101	1	1/16 NPTF male to 7/16 JIC male fitting
		1	1/8 NPTF male to 7/16 JIC male fitting
		1	G1/8 male to 7/16 JIC male fitting
		1	M10 x 1,5 male to 7/16 JIC male fitting
		2	Male JIC to Swivel Female JIC Elbow
		1	200mm Hose Female JIC to Female JIC

Universal 300mm Coolant Pack

order number	catalogue number	quantity	description
6145373	COOL-KIT-201	1	1/16 NPTF male to 7/16 JIC male fitting
		1	1/8 NPTF male to 7/16 JIC male fitting
		1	G1/8 male to 7/16 JIC male fitting
		1	M10 x 1,5 male to 7/16 JIC male fitting
		2	Male JIC to Swivel Female JIC Elbow
		1	300mm Hose Female JIC to Female JIC

Know what you need?

Every component is individually available, including less common fittings.
Knowing the precise components required will allow you to choose only the fittings you need!

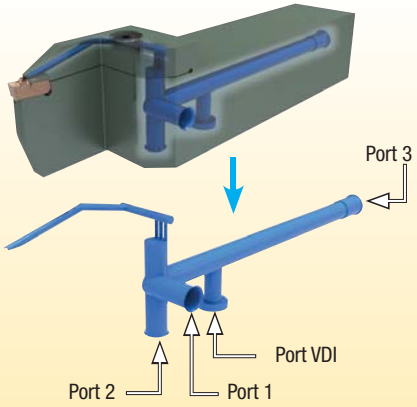
Coolant Hose Accessories

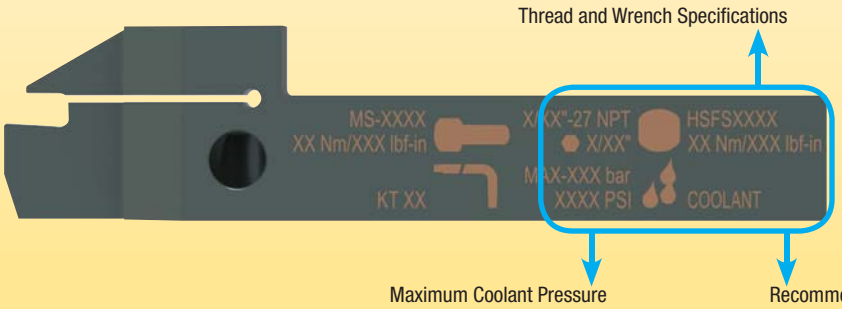
order number	catalogue number	description
6145374	1-16NPTF-JIC	1/16 NPTF male to 7/16 JIC male fitting
6145375	1-8NPTF-JIC	1/8 NPTF male to 7/16 JIC male fitting
6145376	G18-JIC	G1/8 male to 7/16 JIC male fitting
6145377	M10-JIC	M10 x 1,5 male to 7/16 JIC male fitting
6145379	JICM-JICF-ELB	Male JIC to Swivel Female JIC Elbow
6145380	COOL-HOSE-200	200mm Female JIC to Female JIC
6145381	COOL-HOSE-300	300mm Female JIC to Female JIC
6145382	M6-JIC	M6 x 1,0 male to 7/16 JIC male fitting
6145378	M8-JIC	M8 x 1,25 male to 7/16 JIC male fitting
6145383	JICM-JICM-STR	7/16 JIC male to 7/16 JIC male adaptor
6145386	G14-G18-RED	Male G1/4 to Female G1/8 reducer
6432549	COOL-HOSE-200-FLEX	Universal 200mm Flex Coolant Hose
6432550	COOL-HOSE-300-FLEX	Universal 300mm Flex Coolant Hose



Active Coolant Control Guidelines

1. Beyond™ Evolution™ system capable of 350 bar (5076 psi).
2. Toolholder delivered with four entry holes.
3. A quality filtration system is necessary to prevent blockages in the toolholder that will effect coolant flow and performance.
4. Machines without a proper filtering system may require modification or an inline filter.
   - For pressure >70 bar [1015 psi], use 10–20 µm filter.
   - For pressure <70 bar [1015 psi], 50–100 µm.
   - Using fine filters in low-pressure applications may affect flow rate.





General Safety Guidelines

1. All safety doors and mechanisms must be in place before trying out the internal coolant to avoid any danger to the operator in the event of a failure.
2. Use the correct pipe fittings to connect the holders to the system. Ensure the maximum pressure recommended for the fittings are not exceeded.
3. While implementing pressure >80 bar [1160 psi], increase the pressure in steps to ensure proper functioning of insert clamping and leak-free joints.
4. While indexing inserts, ensure the pocket is free from chips and/or dirt. Also, inspect the insert and make sure there are no blockages in the coolant canal.
5. Periodically check all hoses and fittings for damage and wear for proper functioning of the system. This check should also include filters.

Active Coolant Control Performance

Internal coolant offers a clear advantage in tool life and chip forming/evacuation vs. external coolant in difficult conditions and in high-pressure coolant.
Example: Chipbreaking in plunging of steel.

Flood Coolant | Internal Coolant



75 bar
(1,087 psi)

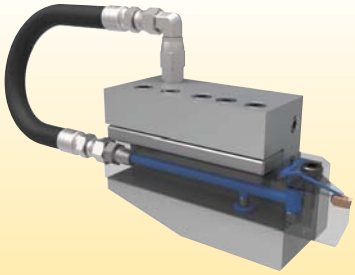
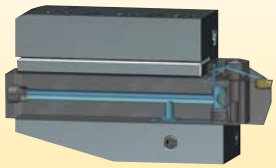
200 bar
(2,900 psi)

Material steel ST52;
Insert size 6mm; f = 0,25 mm/U

Low Pressure — If performance is at risk due to low coolant pressure, apply internal coolant in combination with external coolant to increase volume.

Recommendation to improve tool life and/or productivity: Apply high pressure coolant: 80–350 bar recommended.

VDI Assemblies
The Beyond™ Evolution™ Active Coolant Control can be leveraged with VDI holding systems with both traditional or Quick-Change coolant connections.

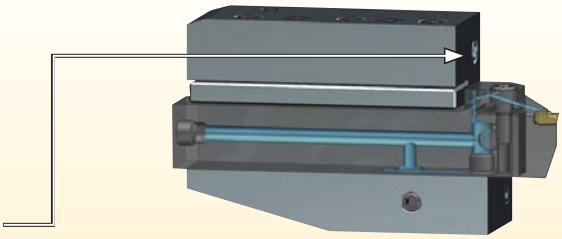




Coolant flow transfer from VDI adaptor to toolholder

A marker on the toolholder must remain within the coolant range indicated on the VDI system for uninterrupted coolant transfer.

Technical Details

Pressure limit 80 bar.



Nozzle set comes pre-assembled.
For the holder application with internal coolant only nozzle can be plugged by M5 screw (delivered). Use Loc Tite light, medium strength, or thread sealant.

Holder	Slide Area	Max. Pressure	Torque (Pressure Screws)
VDI 30	22mm	80 bar	20 Nm
VDI 40	30mm	80 bar	35 Nm

Spare sets	
Nozzle	**PKGNLAL 1205M**
Set Pressure Screw, Pressure Plate, Spring	See separately for each type in BOM

A4™ Tooling and Beyond™ Inserts

For All Your O.D. and I.D. Applications

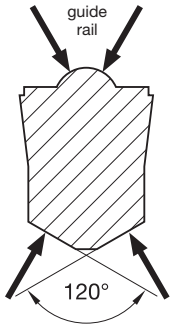
Primary Application

Choose A4 tooling for turning, facing, grooving, face grooving, and cut-off applications across a broad range of workpiece materials. The unique clamping system and versatile insert geometry delivers a very high metal removal rate.

Features and Benefits

A4 Grooving and Turning System

- One tool for turning, facing, grooving, face-grooving, and cut-off in O.D. and I.D. applications means exceptionally fast cycle times, no turret indexes!
- Extra-long clamping area, ground 120° bottom prism seating surface, and an exclusive top guide rail combine to deliver unsurpassed grooving and side-turning stability!
- Precise insert positioning is ensured for accurate cuts!
- Rigid clamping securely locks insert in place through the toughest cuts.
- Versatile design enables one system to handle O.D. and I.D. grooving, face grooving, back turning, undercutting, and even threading operations.
- Chip control inserts provide excellent chip evacuation in grooving, and offer better chip control in multidirectional turning.



A4 Chipbreakers


GMN Chipbreaker


GMP Chipbreaker


GMN Chipbreaker


GMP Chipbreaker


GUP Chipbreaker





The A4™ System Increases Productivity

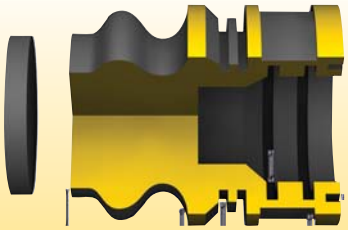
- Covers multiple applications.
- Reduces tool cost.
- Minimises machining time.







Step 1 • Select A4 size for grooving and turning application



What you need to know:

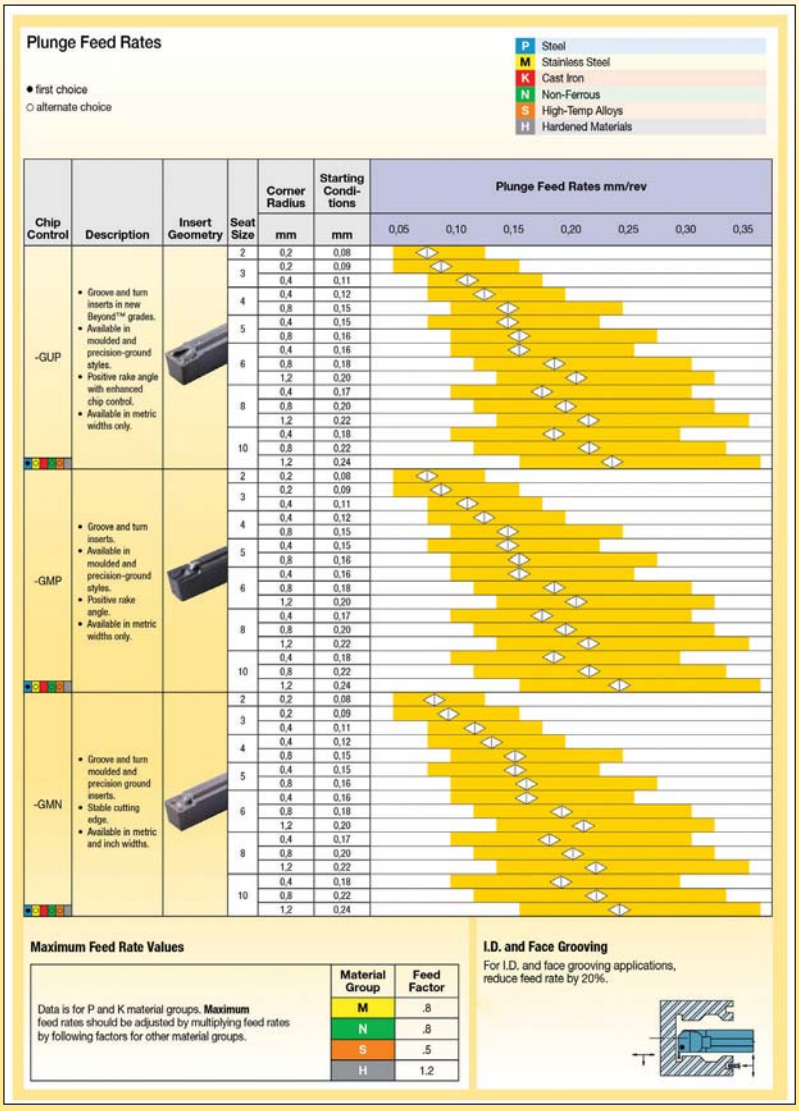
- Groove depth, width, and profile.
- Material being machined.
- Application to be performed (O.D. and I.D. grooving, turning, face grooving, and cut-off).

General Recommendation to Select the Insert Size

for workpiece diameters	insert seat size
<25mm	3
25–50mm	4
>50mm	5–10

Step 2 • Select chipbreaker style and feed rate

Based on the application and seat size, determine the recommended geometry and starting feed rate.



Step 3 • Select the starting speed

Based on material and grade, identify starting speed (vc). First choice is in **bold** type.

A Based on material group and grade, identify starting speed (vc).
B First choice starting speed is in **bold**.

Recommended Starting Speeds [m/min]

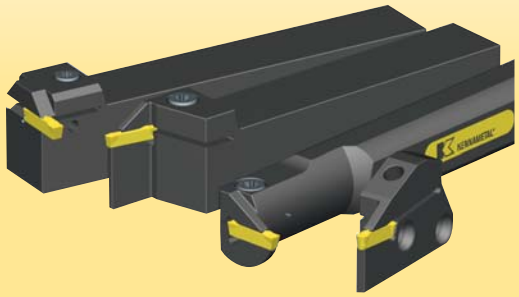
Material Group		K313			KCU10/KC5010			KCU25/KC5025			KCP10			KCP25			KCK20B			KY3500		
P	0-1	–	–	–	140	**280**	335	110	**225**	270	185	**400**	450	145	**290**	365	200	**440**	490	–	–	–
	2	–	–	–	140	**200**	245	110	**160**	195	185	**270**	350	145	**200**	305	200	**300**	380	–	–	–
	3	–	–	–	140	**155**	245	110	**125**	195	170	**190**	260	140	**155**	245	600	**200**	280	–	–	–
	4	–	–	–	75	**110**	170	60	**90**	135	90	**145**	200	75	**110**	180	100	**160**	220	–	–	–
	5	–	–	–	120	**200**	260	100	**160**	210	150	**220**	305	120	**200**	270	165	**240**	330	–	–	–
	6	–	–	–	110	**150**	230	85	**120**	185	120	**180**	275	110	**150**	230	130	**190**	300	–	–	–
M	1	60	**90**	120	140	**210**	260	90	**170**	245	–	–	–	–	–	–	–	–	–	–	–	–
	2	45	**75**	110	120	**200**	245	90	**150**	245	–	–	–	–	–	–	–	–	–	–	–	–
	3	35	**65**	100	120	**180**	245	90	**140**	210	–	–	–	–	–	–	–	–	–	– A	–	–
K	1	30	**75**	120	120	**180**	245	100	**145**	195	170	**245**	440	140	**200**	360	210	**305**	550	180	**760**	1040
	2	25	**70**	110	90	**150**	210	70	**120**	170	120	**195**	340	100	**160**	280	150	**245**	430	275	**365**	500
	3	20	**60**	90	60	**110**	150	50	**85**	120	120	**170**	270	100	**140**	220	150	**210**	335	–	–	–
N	1–2	150	**370**	610	150	**550**	975	120	**440**	780	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	B	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4	120	**275**	430	120	**365**	610	100	**290**	490	–	–	–	–	–	–	–	–	–	–	–	–
	5	45	**90**	150	90	**170**	245	70	**135**	195	–	–	–	–	–	–	–	–	–	–	–	–
	6	40	**75**	150	120	**210**	305	100	**170**	245	–	–	–	–	–	–	–	–	–	–	–	–
S	1	8	**30**	75	15	**55**	135	8	**40**	60	–	–	–	–	–	–	–	–	–	–	–	–
	2	8	**35**	75	15	**60**	135	8	**30**	75	–	–	–	–	–	–	–	–	–	–	–	–
	3	8	**40**	75	15	**70**	135	15	**40**	75	–	–	–	–	–	–	–	–	–	–	–	–
	4	8	**45**	75	15	**70**	170	8	**50**	110	–	–	–	–	–	–	–	–	–	–	–	–
H	1	–	–	–	30	**45**	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	2	–	–	–	15	**30**	45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Step 4 • Select toolholder based on application

Choose the high-performance holder based on your specific grooving or cut-off application, with the corresponding seat size.

	conventional toolholders	modular blades
O.D. Grooving, Cut-Off, and Turning	1st Choice	2nd Choice
Face Grooving	1st Choice	2nd Choice
I.D. Grooving, Cut-Off, and Turning	1st Choice	—

NOTE: Insert seat size must match the seat size of the toolholder.



Step 5 • Select the insert and holder from catalogue page

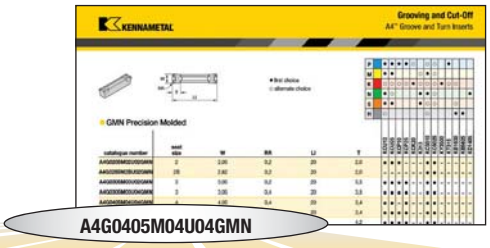


Congratulations!

You have successfully maximised your productivity by selecting the best insert geometry, grade, and cutting specifications for your application!

How Do Catalogue Numbers Work?

Each character in our catalog number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



A4G0405M04U04GMN

Grooving and Turning Inserts

A4	G	0405	M	04	U	04	GMN
Tooling System	Insert Type	Groove Width	Unit of Measurement for Grooving Width	Seat Size	Insert Tolerance	Corner Radii	Chipbreaker Type/Edge Prep
A4 = Grooving and Turning	**G** = Square **R** = Full radius **C** = Cut-off	Expressed in 1/100mm or .00"	**M** = Metric				

pocket seat size	cutting width (mm)
02	2,00–2,62
2B	2,39–2,62
03	3,0–3,05
04	4,0–4,05
05	5,0–5,05
06	6,0–6,05
08	8,0–8,05
10	10,0–10,05
2S	2,00–2,62
3S	3,00–3,05
4S	4,00–4,05
5S	5,00–5,05

P = Precision ground grooving width tolerance:
± .001" (0,025mm)

U = Utility moulded grooving width tolerance:
3,05–4,05: +0,15mm / -0
5,05–10,05: +0,25mm / -0

metric
01 = 0,1
02 = 0,2
04 = 0,4
08 = 0,8
12 = 1,2
full radius = 00

GMN =
Grooving and turning medium machining stable cutting edge

GMP =
Grooving and turning medium machining positive rake angle

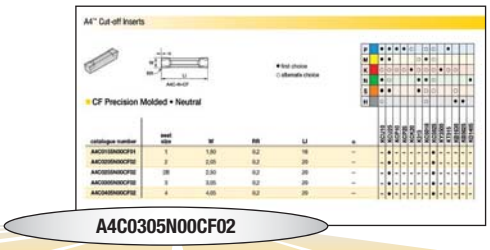
GUP =
Grooving and turning high positive geometry. Especially in stainless steels and high-temp alloys

B =
Flat top for special forms and applications

E =
Flat top, slight honed edge

S =
Negative land plus hone

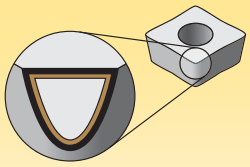
ST =
Single tip



A4C0305N00CF02

Grooving and Cut-Off

A4	C	0305	N	00	CF	02
Tooling System	Insert Type	Cutting Width	Hand of Insert	Main Cutting Edge Lead Angle	Chipbreaker Type	Corner Radius
A4 = Grooving and Turning	**C** = Cut-off	Expressed in 1/100mm	**R** = Right hand **L** = Left hand **N** = Neutral	**00** = Neutral **06** = 6° **10** = 10°	**CF** = Cut-off fine positive rake	metric 02 = 0,2

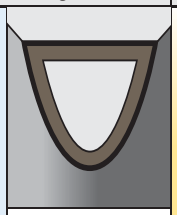
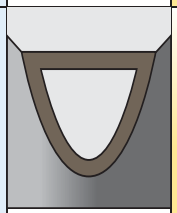
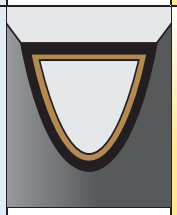
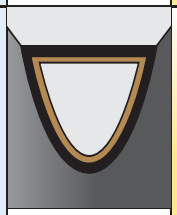
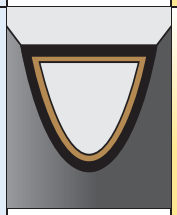


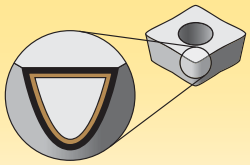
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KCU10  —	**Composition:** An advanced multilayer PVD coating over a very deformation-resistant unalloyed carbide substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU10™ grade is ideal for finishing to general machining of most workpiece materials at a wide range of speed and feed capabilities. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and high-temp alloys with improved edge toughness, notch resistance, and higher cutting speed/feed capability.									
KCU25  —	**Composition:** An advanced PVD grade with hard AlTiN coating and fine-grain unalloyed substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU25™ grade is ideal for general machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials in a wide range of speeds and feeds with improved edge toughness for interrupted cut and high feed rates.									
KCP10  —	**Composition:** A specially engineered cobalt-enriched carbide grade with thick MTCVD TiCN-Al_2O_3 coating for maximum wear resistance. **Application:** An excellent finishing to medium machining grade for a variety of workpiece materials, including most steels, ferritic, martensitic, and PH stainless steels, and cast irons. The cobalt-enriched substrate offers a balanced combination of deformation resistance and edge toughness, while the thick coating layers offer outstanding abrasion resistance and crater wear resistance for high-speed machining. Smooth coating provides resistance to edge build-up and microchipping and produces excellent surface finishes.									
KCP25  –	**Composition:** A tough cobalt-enriched carbide grade with a multilayer MTCVD TiCN-Al_2O_3 coating with superior interlayer adhesion. **Application:** Best general-purpose turning grade for most steels and ferritic and martensitic stainless steels. The substrate design ensures adequate deformation resistance with excellent insert edge strength. Coating layers offer good wear resistance over a wide range of machining conditions and the post-coat treatment minimises microchipping and improves coating adhesion to substrate leading to long tool life and improved workpiece finishes.									
KCK20  —	**Composition**: A specially toughened MTCVD TICN-Al_2O_3 coating over a wear-resistant substrate. **Application:** Specifically engineered to maximise coating adhesion and edge strength making this grade ideal in wet interrupted cutting of grey and ductile irons. It can be used in a wide range of applications from finishing to roughing to maximise productivity wherever strength and reliability are needed.									

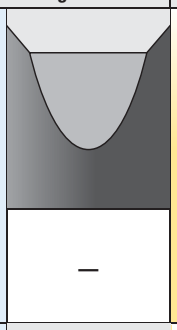
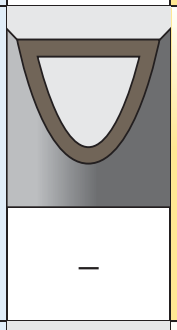
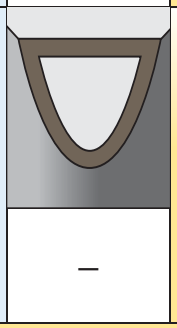


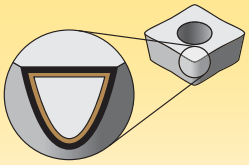
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
K313 	**Composition:** A hard, low binder content, unalloyed WC/Co fine-grain grade. **Application:** Exceptional edge wear resistance combined with very high strength for machining titanium, cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and most high-temp alloys. Superior thermal deformation and depth-of-cut notch resistance. The grain structure is well controlled for minimal pits and flaws, which contributes to long, reliable service.									
KC5010 	**Composition:** An advanced PVD AlTiN coating over a very deformation-resistant unalloyed carbide substrate. **Application:** The KC5010™ grade is ideal for finishing to general machining of most workpiece materials at higher speeds. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and high-temp alloys under stable conditions. It also performs well machining hardened and short chipping materials.									
KC5025 	**Composition:** An advanced PVD-AlTiN-coated grade with a tough, ultra-fine-grain unalloyed substrate. **Application:** For general-purpose machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials. Speeds may vary from low to medium and will handle interruptions and high feed rates.									



Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

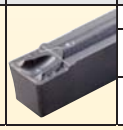
Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KY3500	**Composition:** Pure silicon nitride grade. **Application:** Maximum toughness. Used at high feed rates for rough machining of grey cast iron, including machining through interruptions.									
KT315	**Composition:** A multilayer PVD TiN/TiCN/TiN-coated cermet turning grade. **Application:** Ideal for high-speed finishing to medium machining of most carbon and alloy steels and stainless steels. Performs very well in cast and ductile iron applications, too. Provides long and consistent tool life and will produce excellent workpiece finishes.									
KB1630	**Composition:** An uncoated high content PcBN grade. PcBN tips are brazed onto a carbide insert. **Application:** Designed for roughing to finishing in interrupted cuts on hardened steels (>45 HRC). It can also be applied on grey cast iron, chilled irons, high chrome alloyed steels, high temp alloys and sintered powder metals. The tipped PcBN inserts are available in a wide range of insert styles, including Top Notch™ and Screw-On geometries.									
KB5625	**Composition:** A medium content PcBN with a PVD-TiN/AlTiN coating for added wear resistance. **Application:** Designed for roughing to finishing of hardened steels (>45 HRC). Use on bearing steels, hot and cold work steels, die steels, case hardened steels, carburised and nitrided irons, and some hard coatings.									
KD1405	**Composition:** A pure CVD-deposited diamond-sheet tool brazed directly to a carbide substrate. **Application:** KD1405™ is the best Kennametal abrasion-resistant tool material for non-ferrous and non-metallic materials. Best applied when abrasion resistance is the desired benefit.									

Select the geometry

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

● first choice
○ alternate choice

Chip Control	Description	Insert Geometry	Seat Size	Corner Radius mm	Starting Conditions mm	Plunge Feed Rates mm/rev 0,05 0,10 0,15 0,20 0,25 0,30 0,35
-GUP	Groove and turn inserts in new Beyond™ grades.		2	0,2	0,08	
			3	0,2	0,09	
				0,4	0,11	
			4	0,4	0,12	
				0,8	0,15	

Pictorial View of Insert

Corner Radius

Recommended Starting Feed Rate

Plunge Feed Rates

Seat Size

Recommended Feed Rate Range

Primary Workpiece Material Group

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

● first choice
○ alternate choice

Chip Control Geometry Designation

Maximum Feed Rate Values

	Material Group	Feed Factor
Data above is for P and K material groups. **Maximum** feed rates should be adjusted by multiplying max feed rate values by following factors for shown material groups.	M	.8
	N	1.2
	S	.8
	H	.5

Plunge Feed Rates

● first choice
○ alternate choice

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

Chip Control	Description	Insert Geometry	Seat Size	Corner Radius mm	Starting Conditions mm	Plunge Feed Rates mm/rev 0,05 0,10 0,15 0,20 0,25 0,30 0,35
-GUP	• Groove and turn inserts in new Beyond™ grades. • Available in moulded and precision-ground styles. • Positive rake angle with enhanced chip control. • Available in metric widths only.		2	0,2	0,08	
			3	0,2	0,09	
				0,4	0,11	
			4	0,4	0,12	
				0,8	0,15	
			5	0,4	0,15	
				0,8	0,16	
			6	0,4	0,16	
				0,8	0,18	
				1,2	0,20	
			8	0,4	0,17	
				0,8	0,20	
				1,2	0,22	
			10	0,4	0,18	
				0,8	0,22	
				1,2	0,24	
-GMP	• Groove and turn inserts. • Available in moulded and precision-ground styles. • Positive rake angle. • Available in metric widths only.		2	0,2	0,08	
			3	0,2	0,09	
				0,4	0,11	
			4	0,4	0,12	
				0,8	0,15	
			5	0,4	0,15	
				0,8	0,16	
			6	0,4	0,16	
				0,8	0,18	
				1,2	0,20	
			8	0,4	0,17	
				0,8	0,20	
				1,2	0,22	
			10	0,4	0,18	
				0,8	0,22	
				1,2	0,24	
-GMN	• Groove and turn moulded and precision ground inserts. • Stable cutting edge. • Available in metric and inch widths.		2	0,2	0,08	
			3	0,2	0,09	
				0,4	0,11	
			4	0,4	0,12	
				0,8	0,15	
			5	0,4	0,15	
				0,8	0,16	
			6	0,4	0,16	
				0,8	0,18	
				1,2	0,20	
			8	0,4	0,17	
				0,8	0,20	
				1,2	0,22	
			10	0,4	0,18	
				0,8	0,22	
				1,2	0,24	

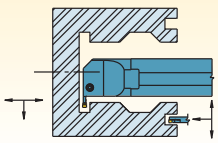
Maximum Feed Rate Values

Data above is for P and K material groups. **Maximum** feed rates should be adjusted by multiplying max feed rate values by following factors for shown material groups.

Material Group	Feed Factor
M	.8
N	.8
S	.5
H	1.2

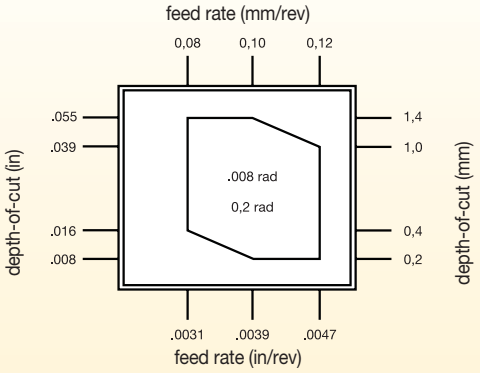
I.D. and Face Grooving

For I.D. and face grooving applications, reduce feed rate by 20%.

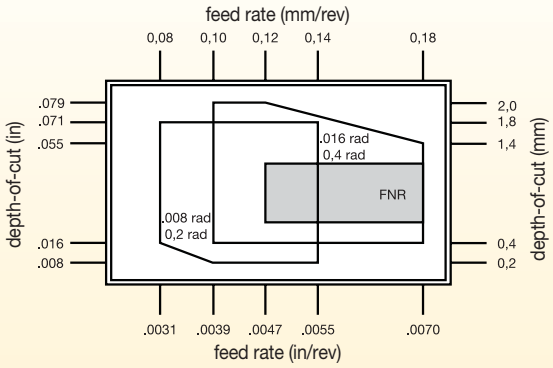


Turn and profile feed rates • GUP/GMP Geometries

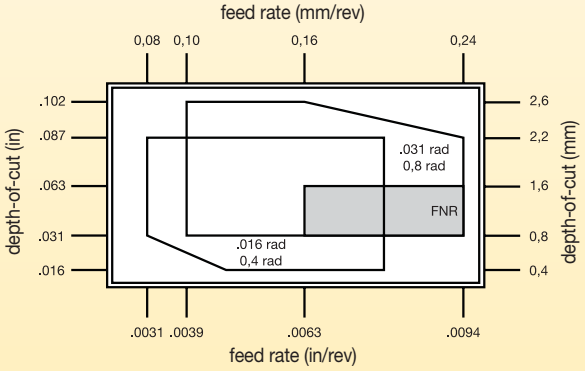
Seat Size 2



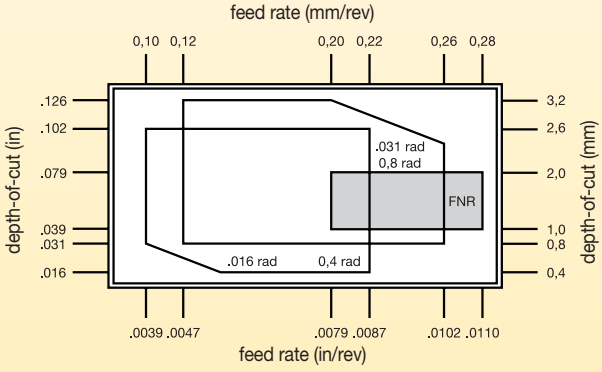
Seat Size 3



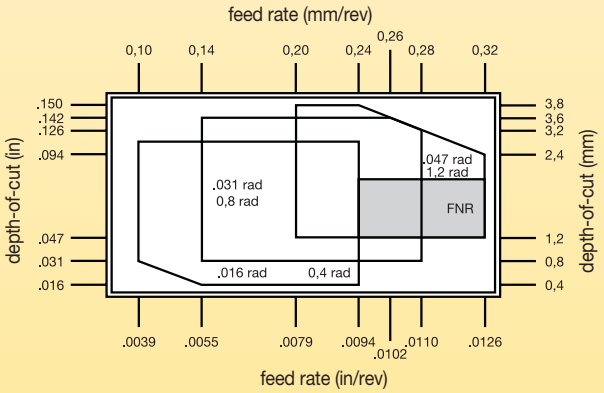
Seat Size 4



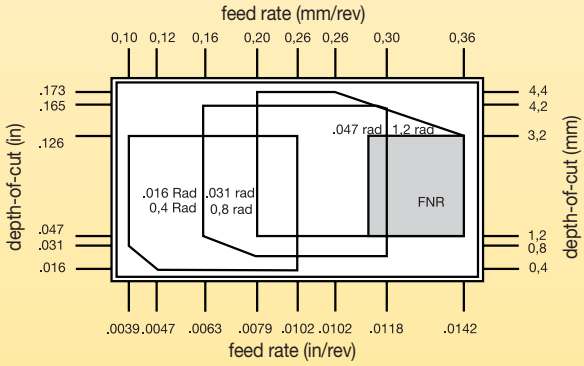
Seat Size 5



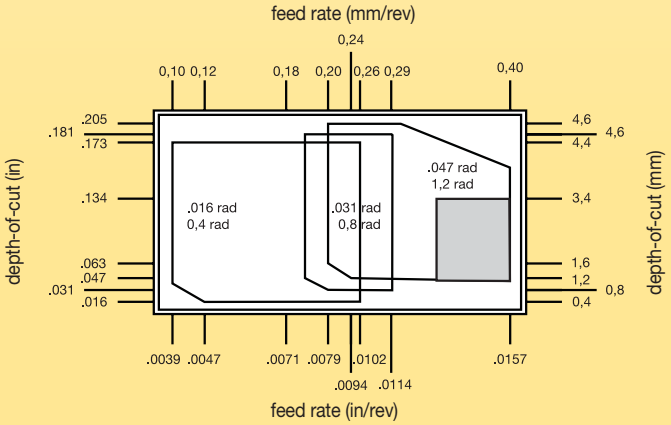
Seat Size 6



Seat Size 8

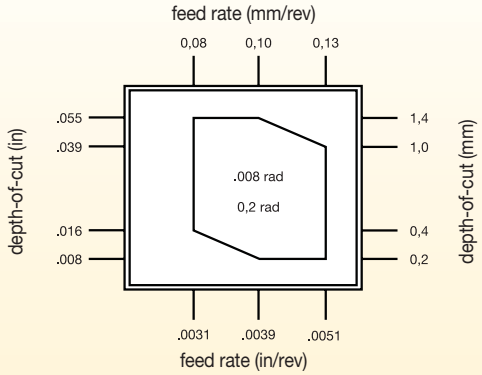


Seat Size 10

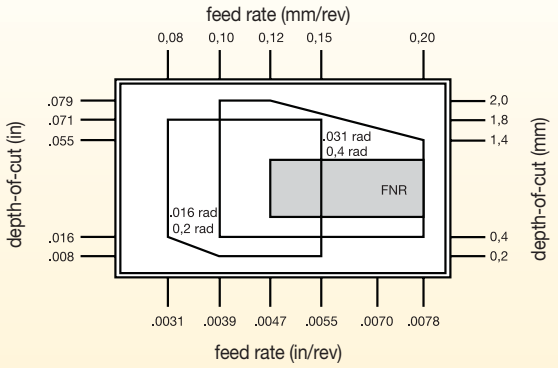


Turn and profile feed rates • GMN Geometries

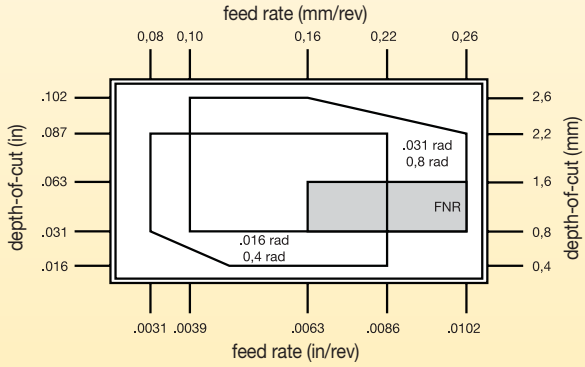
Seat Size 2



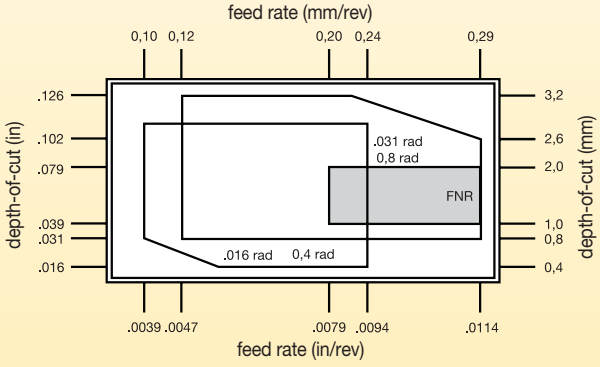
Seat Size 3



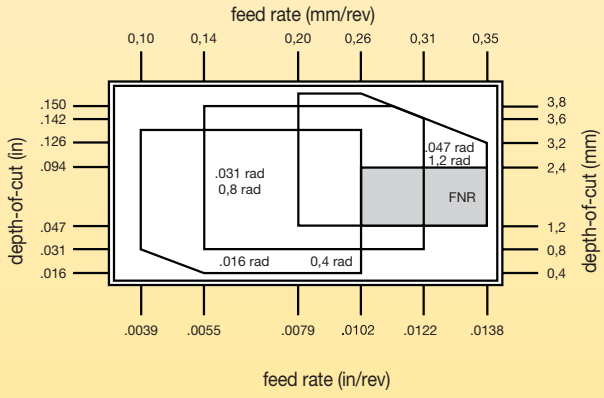
Seat Size 4



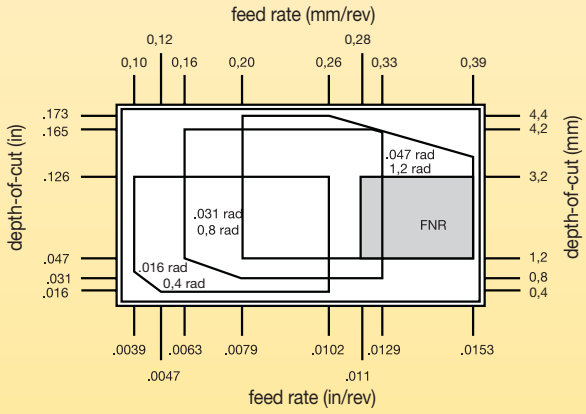
Seat Size 5



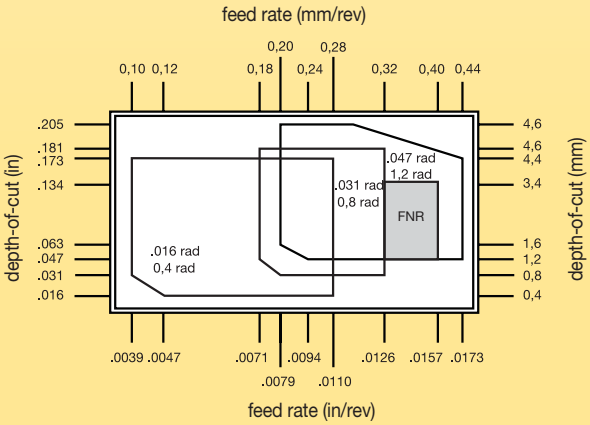
Seat Size 6



Seat Size 8



Seat Size 10



Cut-Off Feed Rates

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

● first choice
○ alternate choice

Chip Control	Description	Insert Geometry	Seat Size	Starting Conditions mm	Cut-Off Feed Rates mm/rev 0,05 0,10 0,15 0,20
-A4C-CF	• High positive rake angle. • Sharp cutting edge. • Available in neutral lead angle in 6° and 10° right- and left-hand styles.		1	0,06	
			2/2B	0,07	
			3	0,09	
			4	0,11	

Maximum Feed Rate Values

Data above is for P and K material groups. **Maximum** feed rates should be adjusted by multiplying max feed rate values by following factors for shown material groups.

Material Group	Feed Factor
M	.8
N	.8
S	.5
H	1.2

Mobile Apps

The Kennametal mobile app provides easy access to product information and calculators on both iPhone® and Android™ devices. We've highlighted a few of the key features...

There's an app for that.



SPEEDS & FEEDS

View speeds and feeds information for metalworking products.

PRODUCT AVAILABILITY

Check global availability of products. View available quantities by providing your Konnect login credentials.

CALCULATORS

Utilise our machining calculators for milling and drilling applications.

By just scanning the bar code on the insert packet, you can find the most productive cutting conditions for tool life, process time, and chip control.

NOTE: The app is currently only available in the English-language version. We have plans to translate the app in different languages with future releases.

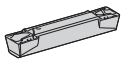
Google play | Available on the App Store

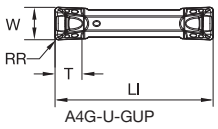
Recommended Starting Speeds [m/min]

Material Group		K313			KCU10/KC5010			KCU25/KC5025			KCP10			KCP25			KCK20B			KY3500		
P	0–1	–	–	–	140	**280**	335	110	**225**	270	185	**400**	450	145	**290**	365	200	**440**	490	–	–	–
	2	–	–	–	140	**200**	245	110	**160**	195	185	**270**	350	145	**200**	305	200	**300**	380	–	–	–
	3	–	–	–	140	**155**	245	110	**125**	195	170	**190**	260	140	**155**	245	600	**200**	280	–	–	–
	4	–	–	–	75	**110**	170	60	**90**	135	90	**145**	200	75	**110**	180	100	**160**	220	–	–	–
	5	–	–	–	120	**200**	260	100	**160**	210	150	**220**	305	120	**200**	270	165	**240**	330	–	–	–
	6	–	–	–	110	**150**	230	85	**120**	185	120	**180**	275	110	**150**	230	130	**190**	300	–	–	–
M	1	60	**90**	120	140	**210**	260	90	**170**	245	–	–	–	–	–	–	–	–	–	–	–	–
	2	45	**75**	110	120	**200**	245	90	**150**	245	–	–	–	–	–	–	–	–	–	–	–	–
	3	35	**65**	100	120	**180**	245	90	**140**	210	–	–	–	–	–	–	–	–	–	–	–	–
K	1	30	**75**	120	120	**180**	245	100	**145**	195	170	**245**	440	140	**200**	360	210	**305**	550	180	**760**	1040
	2	25	**70**	110	90	**150**	210	70	**120**	170	120	**195**	340	100	**160**	280	150	**245**	430	275	**365**	500
	3	20	**60**	90	60	**110**	150	50	**85**	120	120	**170**	270	100	**140**	220	150	**210**	335	–	–	–
N	1–2	150	**370**	610	150	**550**	975	120	**440**	780	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4	120	**275**	430	120	**365**	610	100	**290**	490	–	–	–	–	–	–	–	–	–	–	–	–
	5	45	**90**	150	90	**170**	245	70	**135**	195	–	–	–	–	–	–	–	–	–	–	–	–
	6	40	**75**	150	120	**210**	305	100	**170**	245	–	–	–	–	–	–	–	–	–	–	–	–
S	1	8	**30**	75	15	**55**	135	8	**40**	60	–	–	–	–	–	–	–	–	–	–	–	–
	2	8	**35**	75	15	**60**	135	8	**30**	75	–	–	–	–	–	–	–	–	–	–	–	–
	3	8	**40**	75	15	**70**	135	15	**40**	75	–	–	–	–	–	–	–	–	–	–	–	–
	4	8	**45**	75	15	**70**	170	8	**50**	110	–	–	–	–	–	–	–	–	–	–	–	–
H	1	–	–	–	30	**45**	60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	2	–	–	–	15	**30**	45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Material Group		KT315			KB5625			KB1630			KD1405		
P	0–1	180	**440**	475	–	–	–	–	–	–	–	–	–
	2	195	**270**	400	–	–	–	–	–	–	–	–	–
	3	180	**210**	275	–	–	–	–	–	–	–	–	–
	4	75	**160**	210	–	–	–	–	–	–	–	–	–
	5	150	**250**	310	–	–	–	–	–	–	–	–	–
	6	140	**200**	300	–	–	–	–	–	–	–	–	–
M	1	–	–	–	–	–	–	–	–	–	–	–	–
	2	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	–	–	–	–	–	–	–	–	–
K	1	60	**275**	550	–	–	–	180	**760**	1040	–	–	–
	2	135	**275**	360	–	–	–	–	–	–	–	–	–
	3	180	**230**	360	–	–	–	–	–	–	–	–	–
N	1–2	–	–	–	–	–	–	–	–	–	365	**610**	1040
	3	–	–	–	–	–	–	–	–	–	275	**480**	800
	4	–	–	–	–	–	–	–	–	–	300	**550**	920
	5	–	–	–	–	–	–	–	–	–	275	**610**	1070
	6	–	–	–	–	–	–	–	–	–	150	**460**	760
S	1	–	–	–	–	–	–	120	**200**	275	–	–	–
	2	–	–	–	–	–	–	120	**215**	275	–	–	–
	3	–	–	–	–	–	–	120	**250**	275	–	–	–
	4	–	–	–	–	–	–	–	–	–	–	–	–
H	1	–	–	–	45	**150**	230	45	**120**	170	–	–	–
	2	–	–	–	45	**140**	230	45	**110**	170	–	–	–
	3	–	–	–	45	**130**	230	45	**100**	170	–	–	–
	4	–	–	–	45	**120**	230	45	**90**	170	–	–	–

NOTE: FIRST choice starting speeds are in **bold** type.
As the average chip thickness increases, the speed should be decreased.



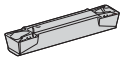


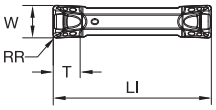
● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

GUP Precision Moulded

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0205M02U02GUP	2	2,05	0,2	20	2,0	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0305M03U02GUP	3	3,05	0,2	20	3,0	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0305M03U04GUP	3	3,05	0,4	20	3,0	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0405M04U04GUP	4	4,05	0,4	20	3,4	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0405M04U08GUP	4	4,05	0,8	20	3,4	●	●	●	●	–	–	–	–	–	–	–	–	–
A4R0405M04U00GUP	4	4,05	–	20	–	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0505M05U04GUP	5	5,05	0,4	25	4,2	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0505M05U08GUP	5	5,05	0,8	25	4,2	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0605M06U04GUP	6	6,05	0,4	30	4,5	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0605M06U08GUP	6	6,05	0,8	30	4,5	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0605M06U12GUP	6	6,05	1,2	30	4,5	●	●	●	●	–	–	–	–	–	–	–	–	–
A4R0605M06U00GUP	6	6,05	–	30	4,9	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0805M08U08GUP	8	8,05	0,8	30	6,0	●	●	●	●	–	–	–	–	–	–	–	–	–
A4G0805M08U12GUP	8	8,05	1,2	30	6,0	●	●	●	●	–	–	–	–	–	–	–	–	–
A4R0805M08U00GUP	8	8,05	–	30	6,5	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G1005M10U08GUP	10	10,05	0,8	30	6,0	●	●	●	–	–	–	–	–	–	–	–	–	–
A4G1005M10U12GUP	10	10,05	1,2	30	6,1	–	●	–	●	–	–	–	–	–	–	–	–	–





A4G-P-GUP

● first choice
○ alternate choice

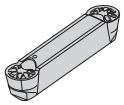
		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

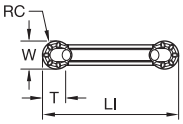
GUP Precision Ground

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0200M02P02GUP	2	2,00	0,2	20	1,9	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G094I2BP05GUP	2B	2,38	0,2	20	1,9	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0300M03P02GUP	3	3,00	0,2	20	2,9	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0300M03P04GUP	3	3,00	0,4	20	2,9	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G125I03P05GUP	3	3,18	0,2	20	2,9	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G125I03P1GUP	3	3,18	0,4	20	2,9	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0400M04P02GUP	4	4,00	0,2	20	3,3	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0400M04P04GUP	4	4,00	0,4	20	3,3	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0400M04P08GUP	4	4,00	0,8	20	3,3	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G187I04P1GUP	4	4,76	0,4	20	3,3	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0500M05P04GUP	5	5,00	0,4	25	4,1	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0500M05P08GUP	5	5,00	0,8	25	4,1	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0600M06P04GUP	6	6,00	0,4	30	4,5	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0600M06P08GUP	6	6,00	0,8	30	4,5	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G250I06P1GUP	6	6,35	0,4	30	4,4	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G250I06P2GUP	6	6,35	0,8	30	4,4	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G312I08P1GUP	8	7,94	0,4	30	5,9	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0800M08P08GUP	8	8,00	0,8	30	6,0	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0800M08P12GUP	8	8,00	1,2	30	6,0	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G375I10P1GUP	10	9,53	0,4	30	5,9	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G1000M10P08GUP	10	10,00	0,8	30	6,0	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G1000M10P12GUP	10	10,00	1,2	30	6,0	●	●	–	–	–	–	–	–	–	–	–	–	–

● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

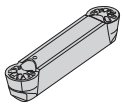


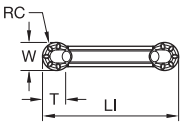


A4R-P-GUP

GUP Full Radius Precision Moulded

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0305M03U00GUP	3	3,05	1,5	20	–	●	●	–	–	–	–	–	–	–	–	–	–	–
A4R0505M05U00GUP	5	5,05	2,5	25	–	●	●	–	–	–	–	–	–	–	–	–	–	–
A4R1005M10U00GUP	10	10,05	5,0	30	–	●	●	–	–	–	–	–	–	–	–	–	–	–





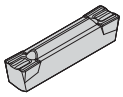
A4R-P-GUP

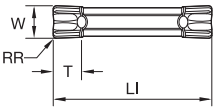
GUP Full Radius Precision Ground

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0300M03P00GUP	3	3,00	1,5	20	–	●	●	–	–	–	–	–	–	–	–	–	–	–
A4R125I03P00GUP	3	3,18	1,6	20	–	●	●	–	–	–	–	–	–	–	–	–	–	–
A4R0400M04P00GUP	4	4,00	2,0	20	–	–	●	–	–	–	–	–	–	–	–	–	–	–
A4R187I04P00GUP	4	4,76	2,4	20	–	–	●	–	–	–	–	–	–	–	–	–	–	–
A4R0500M05P00GUP	5	5,00	2,5	25	–	–	●	–	–	–	–	–	–	–	–	–	–	–
A4R0600M06P00GUP	6	6,00	3,0	30	–	●	●	–	–	–	–	–	–	–	–	–	–	–
A4R250I06P00GUP	6	6,35	3,2	30	–	●	●	–	–	–	–	–	–	–	–	–	–	–
A4R312I08P00GUP	8	7,94	4,0	30	–	●	–	–	–	–	–	–	–	–	–	–	–	–
A4R0800M08P00GUP	8	8,00	4,0	30	–	–	●	–	–	–	–	–	–	–	–	–	–	–
A4R1000M10P00GUP	10	10,00	5,0	30	–	●	●	–	–	–	–	–	–	–	–	–	–	–

● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

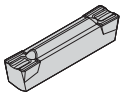


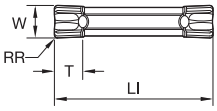


A4G-U-GMP

GMP Precision Moulded

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0205M02U02GMP	2	2,05	0,2	20	2,0	–	●	–	–	–	–	●	●	–	–	–	–	–
A4G0255M2BU02GMP	2B	2,62	0,2	20	2,0	–	●	–	–	–	–	–	●	–	–	–	–	–
A4G0305M03U02GMP	3	3,05	0,2	20	3,5	●	●	–	–	–	–	●	●	–	●	–	–	–
A4G0305M03U04GMP	3	3,05	0,4	20	3,5	●	●	–	–	–	–	●	●	–	●	–	–	–
A4G0405M04U04GMP	4	4,05	0,4	20	3,4	●	●	●	●	–	–	●	●	–	●	–	–	–
A4G0405M04U08GMP	4	4,05	0,8	20	3,4	–	●	–	–	–	–	●	●	–	●	–	–	–
A4G0505M05U04GMP	5	5,05	0,4	25	4,2	●	●	●	–	–	–	●	●	–	–	–	–	–
A4G0505M05U08GMP	5	5,05	0,8	25	4,2	–	●	●	–	–	–	●	●	–	–	–	–	–
A4G0605M06U04GMP	6	6,05	0,4	30	4,9	–	–	–	●	–	–	●	●	–	–	–	–	–
A4G0605M06U08GMP	6	6,05	0,8	30	4,9	–	–	–	–	–	–	●	●	–	–	–	–	–
A4G0805M08U08GMP	8	8,05	0,8	30	6,1	–	●	–	–	–	–	–	●	–	–	–	–	–
A4G1005M10U08GMP	10	10,05	0,8	30	8,1	●	●	–	–	–	–	–	–	–	–	–	–	–

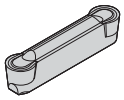


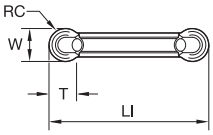


A4G-P-GMP

GMP Precision Ground

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0200M02P02GMP	2	2,00	0,2	20	2,0	●	●	–	–	–	–	●	●	–	–	–	–	–
A4G0250M2BP02GMP	2B	2,50	0,2	20	2,0	●	–	–	–	–	–	●	–	–	–	–	–	–
A4G0300M03P02GMP	3	3,00	0,2	20	3,5	●	●	–	–	–	●	●	●	–	–	–	–	–
A4G0300M03P04GMP	3	3,00	0,4	20	3,5	●	●	–	–	–	●	●	●	–	–	–	–	–
A4G0400M04P02GMP	4	4,00	0,2	20	–	●	●	–	–	–	●	●	●	–	–	–	–	–
A4G0400M04P04GMP	4	4,00	0,4	20	3,5	●	●	–	–	–	●	●	●	–	–	–	–	–
A4G0400M04P08GMP	4	4,00	0,8	20	3,5	●	●	–	–	–	–	●	●	–	–	–	–	–
A4G0500M05P04GMP	5	5,00	0,4	25	–	●	●	–	–	–	●	●	●	–	–	–	–	–
A4G0500M05P08GMP	5	5,00	0,8	25	–	●	–	–	–	–	●	●	●	–	–	–	–	–
A4G0600M06P04GMP	6	6,00	0,4	30	4,9	●	●	–	–	–	–	●	–	–	–	–	–	–
A4G0600M06P08GMP	6	6,00	0,8	30	4,9	●	●	–	–	–	–	●	●	–	–	–	–	–
A4G0800M08P08GMP	8	8,00	0,8	30	6,4	–	●	–	–	–	–	●	–	–	–	–	–	–
A4G0800M08P12GMP	8	8,00	1,2	30	6,4	●	–	–	–	–	–	–	–	–	–	–	–	–





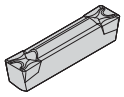
A4R-P-GMP

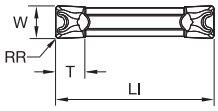
● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

GMP Full Radius Precision Ground

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0200M02P00GMP	2	2,00	1,0	20	1,7	●	●	–	–	–	–	●	●	–	–	–	–	–
A4R0300M03P00GMP	3	3,00	1,5	20	2,5	●	●	–	–	–	●	●	●	–	–	–	–	–
A4R0400M04P00GMP	4	4,00	2,0	20	–	●	●	–	–	–	●	●	●	–	–	–	–	–
A4R0500M05P00GMP	5	5,00	2,5	25	4,1	●	●	–	–	–	●	●	●	–	–	–	–	–
A4R0600M06P00GMP	6	6,00	3,0	30	4,8	●	●	–	–	–	–	●	●	–	–	–	–	–
A4R0800M08P00GMP	8	8,00	4,0	30	6,4	●	●	–	–	–	–	●	–	–	–	–	–	–

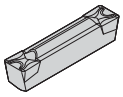


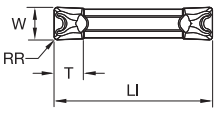


A4G-U-GMN

GMN Precision Moulded

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0205M02U02GMN	2	2,05	0,2	20	2,0	●	●	●	–	–	–	●	●	–	–	–	–	–
A4G0255M2BU02GMN	2B	2,62	0,2	20	2,0	–	–	–	–	–	–	–	●	–	–	–	–	–
A4G0305M03U02GMN	3	3,05	0,2	20	3,5	●	●	●	●	–	–	●	●	–	–	–	–	–
A4G0305M03U04GMN	3	3,05	0,4	20	3,5	●	●	●	●	–	–	●	●	–	–	–	–	–
A4G0405M04U04GMN	4	4,05	0,4	20	3,4	●	●	–	●	–	–	●	●	–	–	–	–	–
A4G0405M04U08GMN	4	4,05	0,8	20	3,4	●	●	●	●	–	–	●	●	–	–	–	–	–
A4G0505M05U04GMN	5	5,05	0,4	25	4,2	●	●	●	●	–	–	●	●	–	–	–	–	–
A4G0505M05U08GMN	5	5,05	0,8	25	4,2	●	●	●	●	–	–	●	●	–	–	–	–	–
A4G0605M06U04GMN	6	6,05	0,4	30	4,9	●	●	●	●	–	–	●	●	–	–	–	–	–
A4G0605M06U08GMN	6	6,05	0,8	30	4,9	●	●	●	●	–	–	●	●	–	●	–	–	–
A4G0605M06U12GMN	6	6,05	1,2	30	4,9	–	–	–	●	–	–	●	●	–	–	–	–	–
A4G0805M08U08GMN	8	8,05	0,8	30	6,4	●	●	●	●	–	–	●	–	–	–	–	–	–
A4G0805M08U12GMN	8	8,05	1,2	30	6,4	–	●	●	●	–	–	●	–	–	–	–	–	–
A4G1005M10U08GMN	10	10,05	0,8	30	8,1	–	●	●	●	–	–	–	●	–	–	–	–	–
A4G1005M10U12GMN	10	10,05	1,2	30	8,1	–	–	–	●	–	–	–	●	–	–	–	–	–





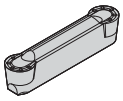
A4G-P-GMN

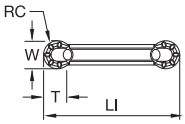
● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

GMN Precision Ground

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G094I2BP05GMN	2B	2,39	0,2	20	1,9	●	–	–	–	–	–	●	–	–	–	–	–	–
A4G125I03P05GMN	3	3,18	0,2	20	3,4	●	●	–	–	–	–	●	●	–	–	–	–	–
A4G125I03P1GMN	3	3,18	0,4	20	3,4	●	●	–	–	–	–	●	●	–	–	–	–	–
A4G187I04P1GMN	4	4,76	0,4	20	3,5	●	●	–	–	–	–	●	–	–	–	–	–	–
A4G187I04P2GMN	4	4,76	0,8	20	3,5	●	●	–	–	–	–	●	●	–	–	–	–	–
A4G250I06P1GMN	6	6,35	0,4	30	4,7	●	●	–	–	–	–	●	–	–	–	–	–	–
A4G250I06P2GMN	6	6,35	0,8	30	4,7	●	●	–	–	–	–	●	–	–	–	–	–	–
A4G312I08P1GMN	8	7,94	0,4	30	6,2	–	●	–	–	–	–	●	–	–	–	–	–	–
A4G375I10P1GMN	10	9,53	0,4	30	7,9	–	–	–	–	–	–	●	–	–	–	–	–	–
A4G375I10P2GMN	10	9,53	0,8	30	7,9	●	–	–	–	–	–	●	–	–	–	–	–	–

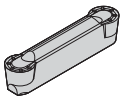


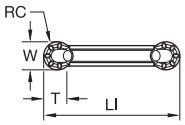


A4R-U-GMN

GMN Full Radius Precision Moulded

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0205M02U00GMN	2	2,05	1,1	20	1,8	–	●	●	–	–	–	●	●	–	–	–	–	–
A4R0305M03U00GMN	3	3,05	1,5	20	2,6	●	●	●	●	–	–	●	●	–	–	–	–	–
A4R0405M04U00GMN	4	4,05	2,0	20	3,5	●	●	●	●	–	–	●	●	–	–	–	–	–
A4R0505M05U00GMN	5	5,05	2,5	25	4,2	●	●	●	●	–	–	●	●	–	–	–	–	–
A4R0605M06U00GMN	6	6,05	3,0	30	4,9	●	●	●	●	–	–	●	●	–	–	–	–	–
A4R0805M08U00GMN	8	8,05	4,0	30	6,5	●	●	●	●	–	–	●	●	–	–	–	–	–
A4R1005M10U00GMN	10	10,05	5,0	30	8,2	●	●	–	●	–	–	–	–	–	–	–	–	–

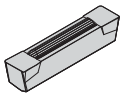


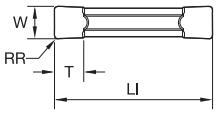


A4R-P-GMN

GMN Full Radius Precision Ground

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R125I03P00GMN	3	3,18	1,6	20	2,7	●	●	–	–	–	–	●	●	–	–	–	–	–
A4R187I04P00GMN	4	4,76	2,4	20	3,8	●	●	–	–	–	–	●	●	–	–	–	–	–
A4R250I06P00GMN	6	6,35	3,2	30	5,3	●	●	–	–	–	–	●	●	–	–	–	–	–
A4R312I08P00GMN	8	7,94	4,0	30	6,4	●	–	–	–	–	–	–	–	–	–	–	–	–
A4R375I10P00GMN	10	9,53	4,8	30	7,3	–	–	–	–	–	–	–	●	–	–	–	–	–





A4G-U-B

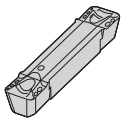
● first choice
○ alternate choice

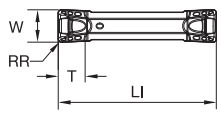
		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

Flat Top Precision Moulded

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0305M03U02B	3	3,05	0,2	20	3,5	–	●	–	–	●	–	–	●	–	–	–	–	–
A4G0405M04U04B	4	4,05	0,4	20	3,4	–	–	–	–	●	–	–	●	–	–	–	–	–
A4G0505M05U04B	5	5,05	0,4	25	4,2	–	●	–	–	●	–	–	–	–	–	–	–	–
A4G0605M06U04B	6	6,05	0,4	30	4,9	–	●	–	–	●	–	–	–	–	–	–	–	–
A4G0805M08U08B	8	8,05	0,8	30	6,4	–	–	–	–	●	–	–	–	–	–	–	–	–
A4G1005M10U08B	10	10,05	0,8	30	8,1	–	–	–	–	●	–	–	–	–	–	–	–	–

A4™ Groove and Turn Inserts • Small Diameter Face Grooving





A4G-SP-GUP

● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

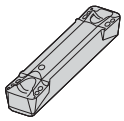
GUP Precision Moulded • Small Diameter Face Grooving

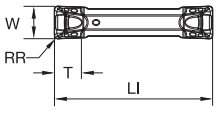
catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0200M2SP02GUP	2S	2,00	0,2	20	1,9	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0300M3SP02GUP	3S	3,00	0,2	20	2,9	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0300M3SP04GUP	3S	3,00	0,4	20	2,9	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0400M4SP04GUP	4S	4,00	0,4	20	3,4	●	–	–	–	–	–	–	–	–	–	–	–	–
A4G0400M4SP08GUP	4S	4,00	0,8	20	3,4	●	–	–	–	–	–	–	–	–	–	–	–	–
A4G0500M5SP04GUP	5S	5,00	0,4	25	4,1	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0500M5SP08GUP	5S	5,00	0,8	25	4,1	●	–	–	–	–	–	–	–	–	–	–	–	–

NOTE: A4-S inserts are reduced-height A4 inserts. For example, a 2S seat size holder will not accept a seat size 2 insert.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	



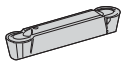


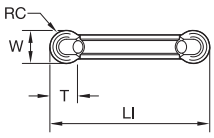
A4G-SU-GUP

GUP Precision Ground • Small Diameter Face Grooving

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0205M2SU02GUP	2S	2,05	0,2	20	2,0	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0305M3SU02GUP	3S	3,05	0,2	20	3,0	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0305M3SU04GUP	3S	3,05	0,4	20	3,0	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0405M4SU04GUP	4S	4,05	0,4	20	3,4	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0505M5SU04GUP	5S	5,05	0,4	25	4,2	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0505M5SU08GUP	5S	5,05	0,8	25	4,2	–	●	–	–	–	–	–	–	–	–	–	–	–

NOTE: A4-S inserts are reduced-height A4 inserts. For example, a 2S seat size holder will not accept a seat size 2 insert.



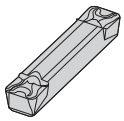


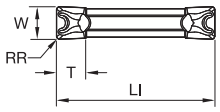
A4R-SP-GMP

GMP Full Radius Precision Ground • Small Diameter Face Grooving

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0200M2SP00GMP	2S	2,00	1,0	20	1,6	–	●	–	–	–	–	–	–	–	–	–	–	–
A4R0300M3SP00GMP	3S	3,00	1,5	20	2,5	–	●	–	–	–	–	–	–	–	–	–	–	–
A4R0500M5SP00GMP	5S	5,00	2,5	25	4,1	–	●	–	–	–	–	–	–	–	–	–	–	–

NOTE: A4-S inserts are reduced-height A4 inserts. For example, a 2S seat size holder will not accept a seat size 2 insert.



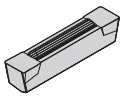


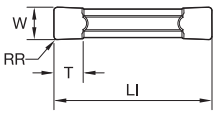
A4G-SU-GMN

GMN Precision Moulded • Small Diameter Face Grooving

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0205M2SU02GMN	2S	2,05	0,2	20	2,0	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0305M3SU02GMN	3S	3,05	0,2	20	3,5	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0305M3SU04GMN	3S	3,05	0,4	20	3,5	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0405M4SU04GMN	4S	4,05	0,4	20	3,6	●	●	–	–	–	–	–	–	–	–	–	–	–
A4G0405M4SU08GMN	4S	4,05	0,8	20	3,6	–	●	–	–	–	–	–	–	–	–	–	–	–
A4G0505M5SU04GMN	5S	5,05	0,4	25	4,2	●	●	–	–	–	–	–	–	–	–	–	–	–

NOTE: A4-S inserts are reduced-height A4 inserts. For example, a 2S seat size holder will not accept a seat size 2 insert.





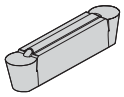
A4G-P-T

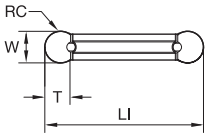
● first choice
○ alternate choice

P	
M	
K	●
N	
S	
H	

Flat Top Precision Ground • Ceramic

ISO catalogue number	seat size	W	RR	LI	T	KY3500
A4G0300M03P04T01025	3	3,00	0,4	20	3,4	●
A4G125I03P1T0425	3	3,18	0,4	20	3,4	●
A4G0400M04P04T01025	4	4,00	0,4	20	3,4	●
A4G0500M05P08T01025	5	5,00	0,8	25	4,2	●
A4G0600M06P08T01025	6	6,00	0,8	30	4,8	●
A4G250I06P2T0425	6	6,35	0,8	30	4,9	●
A4G0800M08P08T01025	8	8,00	0,8	30	6,4	●

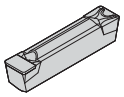


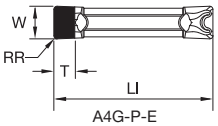


A4R-P-T

Flat Top Full Radius Precision Ground • Ceramic

ISO catalogue number	seat size	W	RC	LI	T	KY3500
A4R0300M03P00T01025	3	3,00	1,5	20	2,4	●
A4R0500M05P00T01025	5	5,00	2,5	25	4,1	●
A4R0600M06P00T01025	6	6,00	3,0	30	4,3	●
A4R250I06P00T0425	6	6,35	3,2	30	4,8	●
A4R0800M08P00T01025	8	8,00	4,0	30	6,4	●





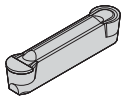
A4G-P-E

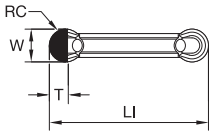
● first choice
○ alternate choice

P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

Flat Top Precision Ground • PCD

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0300M03P04E	3	3,00	0,4	20	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●
A4G0400M04P04E	4	4,00	0,4	20	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●
A4G0500M05P08E	5	5,00	0,8	25	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●





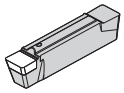
A4R-P-E

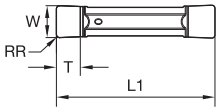
● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

Flat Top Full Radius Precision Ground • PCD

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4R0500M05P00E	5	5,00	2,5	25	3,0	–	–	–	–	–	–	–	–	–	–	–	–	●

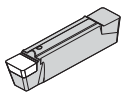


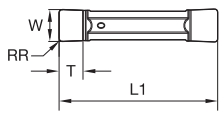


A4G-P-E-ST

Flat Top Precision Ground • PcBN

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0300M03P04EST	3	3,00	0,4	20	3,0	–	–	–	–	–	–	–	–	–	–	●	–	–
A4G0500M05P08EST	5	5,00	0,8	25	3,5	–	–	–	–	–	–	–	–	–	–	●	–	–
A4G0600M06P08EST	6	6,00	0,8	30	4,0	–	–	–	–	–	–	–	–	–	–	●	–	–

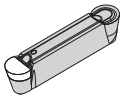


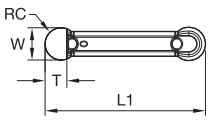


A4G-P-S-ST

Flat Top Precision Ground • T Land • PcBN

catalogue number	seat size	W	RR	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4G0300M03P04S02025ST	3	3,00	0,4	20	3,0	–	–	–	–	–	–	–	–	–	–	●	●	–
A4G0400M04P04S02025ST	4	4,00	0,4	20	3,3	–	–	–	–	–	–	–	–	–	–	●	●	–
A4G0500M05P08S02025ST	5	5,00	0,8	25	3,5	–	–	–	–	–	–	–	–	–	–	–	●	–
A4G0600M06P08S02025ST	6	6,00	0,8	30	4,0	–	–	–	–	–	–	–	–	–	–	–	●	–





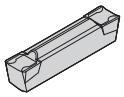
A4R-P-E-ST

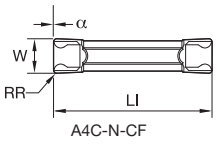
● first choice
○ alternate choice

Flat Top Full Radius Precision Ground • PcBN

catalogue number	seat size	W	RC	LI	T	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P						●	●	●	●	○		○	○		●			
M						●	●				○	●	○					
K						○	○	○	○	●	○	○	○	●	○	○		
N						●	○				●	●	○					●
S						●	●				●	○	○			○		
H						○						○				●	●	
A4R0300M03P00EST	3	3,00	1,5	20	2,2	–	–	–	–	–	–	–	–	–	–	●	–	–
A4R0400M04P00EST	4	4,00	2,0	20	2,9	–	–	–	–	–	–	–	–	–	–	●	–	–
A4R0500M05P00EST	5	5,00	2,5	25	3,7	–	–	–	–	–	–	–	–	–	–	●	–	–
A4R0600M06P00EST	6	6,00	3,0	30	4,4	–	–	–	–	–	–	–	–	–	–	●	–	–

A4™ Cut-off Inserts





A4C-N-CF

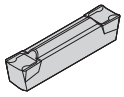
● first choice
○ alternate choice

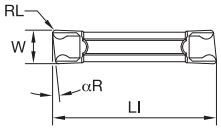
CF Precision Moulded • Neutral

catalogue number	seat size	W	RR	LI	α	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P						●	●	●	●	○		○	○		●			
M						●	●				○	●	○					
K						○	○	○	○	●	○	○	○	●	○	○		
N						●	○				●	●	○					●
S						●	●				●	○	○			○		
H						○						○				●	●	
A4C0155N00CF01	1	1,50	0,2	16	–	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0205N00CF02	2	2,05	0,2	20	–	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0255N00CF02	2B	2,50	0,2	20	–	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0305N00CF02	3	3,05	0,2	20	–	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0405N00CF02	4	4,05	0,2	20	–	–	●	–	–	–	–	–	●	–	–	–	–	–

● first choice
○ alternate choice

		KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
P		●	●	●	●	○		○	○		●			
M		●	●				○	●	○					
K		○	○	○	○	●	○	○	○	●	○	○		
N		●	○				●	●	○					●
S		●	●				●	○	○			○		
H		○						○				●	●	

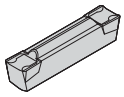


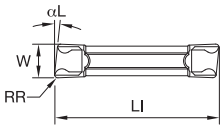


A4C-R-CF

CF Precision Moulded • Right Hand

catalogue number	seat size	W	RL	LI	αR	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4C0155R06CF01	1	1,50	0,2	16	6.0	–	–	–	–	–	–	–	●	–	–	–	–	–
A4C0155R10CF01	1	1,50	0,2	16	10.0	–	●	–	–	–	–	–	–	–	–	–	–	–
A4C0155R16CF01	1	1,50	0,2	16	16.0	–	–	–	–	–	–	–	●	–	–	–	–	–
A4C0205R06CF02	2	1,99	0,2	20	6.0	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0205R10CF02	2	1,99	0,2	20	10.0	–	●	–	–	–	–	–	–	–	–	–	–	–
A4C0255R06CF02	2B	2,49	0,2	20	6.0	–	–	–	–	–	–	–	●	–	–	–	–	–
A4C0305R06CF02	3	3,05	0,2	20	6.0	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0305R10CF02	3	3,05	0,2	20	10.0	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0405R06CF02	4	4,05	0,2	20	6.0	–	●	–	–	–	–	–	–	–	–	–	–	–
A4C0405R10CF02	4	4,05	0,2	20	10.0	–	●	–	–	–	–	–	●	–	–	–	–	–





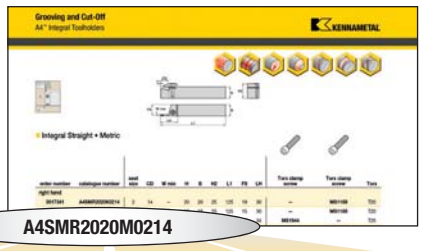
A4C-L-CF

CF Precision Moulded • Left Hand

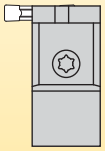
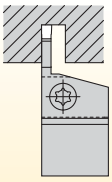
catalogue number	seat size	W	RR	LI	αL	KCU10	KCU25	KCP10	KCP25	KCK20	K313	KC5010	KC5025	KY3500	KT315	KB1630	KB5625	KD1405
A4C0155L06CF01	1	1,50	0,2	16	6.0	–	–	–	–	–	–	–	●	–	–	–	–	–
A4C0205L06CF02	2	1,99	0,2	20	6.0	–	●	–	–	–	–	–	–	–	–	–	–	–
A4C0205L10CF02	2	1,99	0,2	20	10.0	–	–	–	–	–	–	–	●	–	–	–	–	–
A4C0305L06CF02	3	3,05	0,2	20	6.0	–	●	–	–	–	–	–	●	–	–	–	–	–
A4C0305L10CF02	3	3,05	0,2	20	10.0	–	●	–	–	–	–	–	–	–	–	–	–	–
A4C0405L06CF02	4	4,05	0,2	20	6.0	–	●	–	–	–	–	–	–	–	–	–	–	–
A4C0405L10CF02	4	4,05	0,2	20	10.0	–	●	–	–	–	–	–	–	–	–	–	–	–

How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



A4SMR2020M0214

A4	S	M	R	2020M	02	14
Tooling System	Tool Style	Support Type	Hand of Tool	Shank Size	Seat Size	Max Grooving Depth
A4 = Grooving and Turning	 **S** = Straight  **E** = End mounted 90°		 **R** = Right hand **L** = Left hand **N** = Neutral		**02** **03** **04** **05** **06** **08** **10**	in millimetres

M =
Maximum support for specific groove widths and straight clearance for unlimited workpiece diameters

E =
No steel support for face grooving

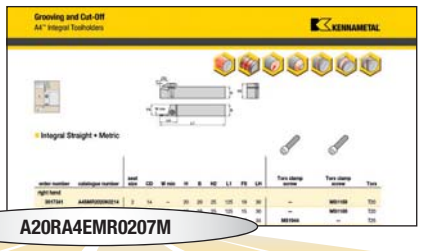
C =
Reinforced Support

metric:
Height x width in mm, letter indicates tool length according to ISO

metric tool length (mm)

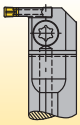
K = 125
M = 150
P = 170

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.

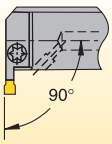


A20RA4EMR0207M

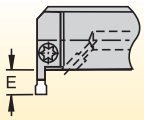
A	20	R	A4	E	M	R	02	07	M
Steel Bar with Coolant	Bar Diameter	Bar Length	A4™ Groove and Turn System	Tool Style	Support Type	Hand of Tool	Insert Seat Size	Grooving Depth in mm	Tool Units



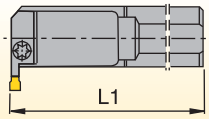
M = Metric



E = End mounted (90°)

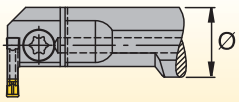


mm
7mm
10mm
12mm
16mm

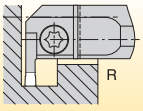


metric bars:
R = 200mm
S = 150mm
T = 300mm

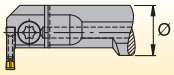
pocket seat size	cutting width (mm)
02	2,00–2,62
2B	2,39–2,62
03	3,0–3,05
04	4,0–4,05
05	5,0–5,05
06	6,0–6,05
08	8,0–8,05
10	10,0–10,05



metric bars:
Bar diameter in millimetres



R = Right hand

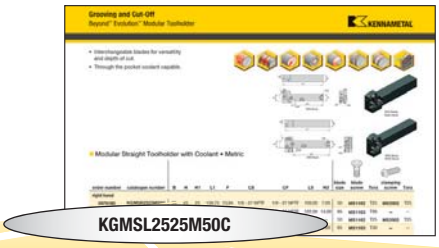


L = Left hand

M = Maximum support

How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



KGM	S	L	2525M	50	C
Family Name	Tool Style	Hand	Shank Size	Blade Size	Coolant
Grooving Modular System	**S** = Straight mount **E** = End mount (90°)	**L** = Left hand **R** = Right hand	**Metric** = Height x Width in mm letter indicates tool length according to ISO	**50** **65**	**C** = Through coolant capable

Grooving Tools and **Beyond**™ Inserts for Your Shallow Groove and Turn Operations

Top Notch™



Top Notch Grooving is the proven solution for high productivity. The Top Notch system provides consistent tool performance, accurate indexing, and superior clamping to provide excellent surface finishing and superior tool life.

FEATURES AND BENEFITS

- The Beyond PVD coated grades are designed to cut a variety of workpiece materials.
- Rigid clamping securely locks insert in place through the toughest cuts.
- Versatile design enables one system to handle O.D. and I.D. grooving, face grooving, back turning, undercutting, and even threading operations.
- Chip control inserts provide excellent chip evacuation in grooving, and offer better chip control in multidirectional turning.

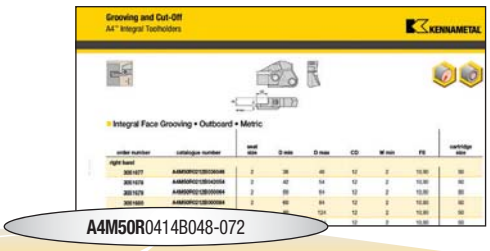
Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com**.

KENNAMETAL®

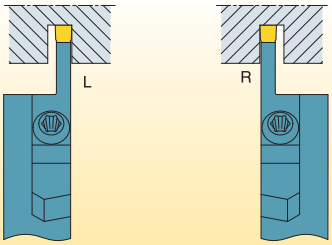
kennametal.com

How Do Catalogue Numbers Work?

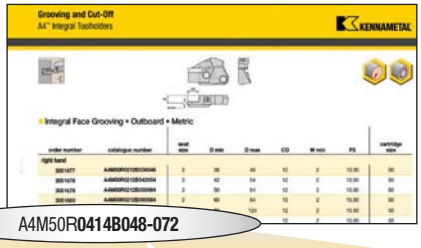
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



A4M50R0414B048-072

A4M	50	R
Family Name	Modular System Size	Hand of Tool
A4 Modular Blade	**50** **65**	

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



A4M50R**0414B048-072**

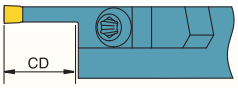
04

Seat Size

pocket seat size	cutting width mm
02	2,00–2,62
2B	2,39–2,62
03	3,0–3,05
04	4,0–4,05
05	5,0–5,05
06	6,0–6,05
08	8,0–8,05
10	10,0–10,05

14

Maximum Groove Depth



mm

14mm

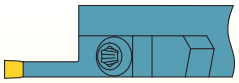
19mm

20mm

26mm

B

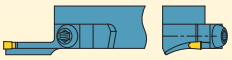
Tool Style



M = Maximum support for specific groove widths and straight clearance for unlimited workpiece diameters



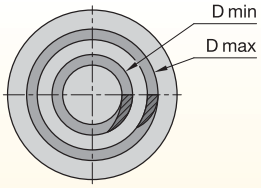
A = Inboard sweep face grooving toolholder



B = Outboard sweep face grooving toolholder

048–072

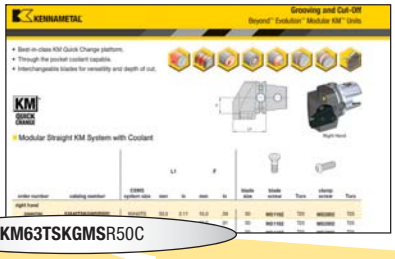
Face Grooving Diameter Range



diameters are min and max for outer face groove dia.
999 = unlimited D max

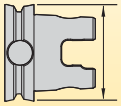
How Do Catalogue Numbers Work?

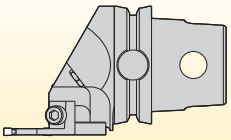
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



KM63TSKGMSR50C

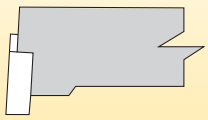
KM	63	TS	KGM	S
KM™ Quick-Change	System Size	Feature	Insert Holding Method	Insert Location
KM **KM4X™** **PSC**	**40** = 40mm **50** = 50mm **63** = 63mm **80** = 80mm **100** = 100mm	**TS** **XMZ**	**KGM**	**E** = End mount **S** = Side mount



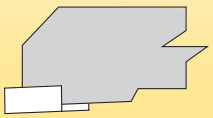


Modular Grooving

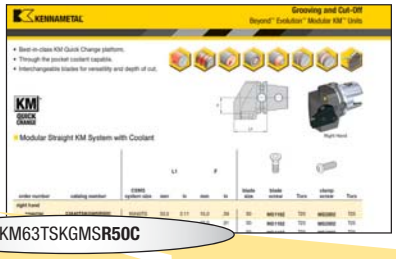
E



S



By referencing this easy-to-use guide, you can identify the correct product to meet your needs.

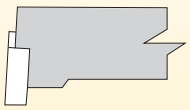


KM63TSKGMS**R50C**

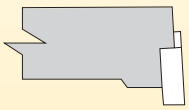
R	50	C	
Hand of Tool	Blade Size	Coolant	Special Features
R = Right hand **L** = Left hand	**50** **60**	**C** = Through the pocket coolant capable	**Y** = Mazak® INTEGREX®

End Mount

R

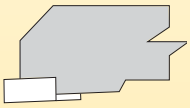


L

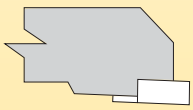


Side Mount

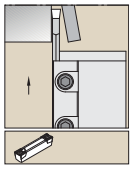
R

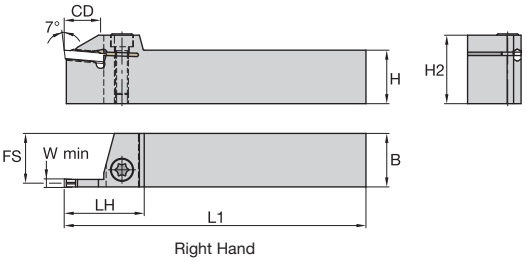


L









Right Hand

Integral Straight • Metric





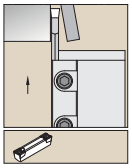
order number	catalogue number	seat size	CD	W min	H	B	H2	L1	FS	LH	clamp screw	clamp screw	Torx
right hand													
3017341	**A4SMR2020K0214**	2	14	–	20	20	25	125	19	30	**–**	**MS1160**	T20
3017342	**A4SMR1616K0214**	2	14	2	16	16	25	125	15	30	**–**	**MS1160**	T20
2974425	**A4SMR2020K0217**	2	17	2	20	20	31	125	19	34	**MS1944**	**–**	T25
3017340	**A4SMR2525M0214**	2	14	2	25	25	30	150	24	30	**–**	**MS1160**	T20
3017339	**A4SMR2525M0217**	2	17	2	25	25	31	150	24	34	**MS1944**	**–**	T25
1949633	**A4SMR1616K0314**	3	14	3	16	16	27	125	15	35	**MS2091**	**–**	T25
2503557	**A4SMR2016K0317**	3	17	3	20	16	32	125	15	37	**MS1970**	**–**	T30
1949635	**A4SMR2020K0314**	3	14	3	20	20	27	125	19	35	**MS1595**	**–**	T30
2503551	**A4SMR2020K0317**	3	17	3	20	20	32	125	19	37	**MS1970**	**–**	T30
1949637	**A4SMR2525M0317**	3	17	3	25	25	32	150	24	37	**MS1970**	**–**	T30
2503559	**A4SMR2016K0417**	4	17	4	20	16	32	125	14	37	**MS1970**	**–**	T30
1949639	**A4SMR2020K0414**	4	14	4	20	20	27	125	18	35	**MS1595**	**–**	T30
2503553	**A4SMR2020K0417**	4	17	4	20	20	32	125	18	37	**MS1970**	**–**	T30
1949641	**A4SMR2525M0417**	4	17	4	25	25	32	150	23	37	**MS1970**	**–**	T30
1949643	**A4SMR3225P0417**	4	17	4	32	25	40	170	23	37	**MS1970**	**–**	T30
1949645	**A4SMR2020K0519**	5	19	5	20	20	28	125	18	40	**MS1595**	**–**	T30
1949647	**A4SMR2525M0520**	5	20	5	25	25	33	150	23	40	**MS1970**	**–**	T30
1949649	**A4SMR3225P0522**	5	22	5	32	25	40	170	23	42	**MS1970**	**–**	T30
2503555	**A4SMR2020K0620**	6	20	6	20	20	33	125	17	40	**MS1970**	**–**	T30
2245484	**A4SMR2525M0620**	6	20	6	25	25	33	150	22	40	**MS1970**	**–**	T30
2263089	**A4SMR3225P0626**	6	26	6	32	25	40	170	22	45	**MS1970**	**–**	T30
2245485	**A4SMR2525M0820**	8	20	8	25	25	34	150	21	43	**MS1490**	**–**	T45
2263091	**A4SMR3225P0826**	8	26	8	32	25	41	170	21	47	**MS1490**	**–**	T45
2263173	**A4SMR3225P1026**	10	26	10	32	25	41	170	21	47	**MS1490**	**–**	T45

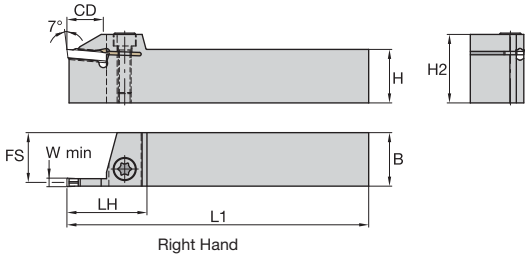
(continued)

(Integral Straight • Metric — continued)



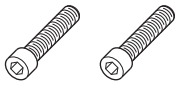

order number	catalogue number	seat size	CD	W min	H	B	H2	L1	FS	LH	clamp screw	clamp screw	Torx
left hand													
3017336	**A4SML2020K0214**	2	14	–	20	20	25	125	19	30	**–**	**MS1160**	T20
3017338	**A4SML1616K0214**	2	14	2	16	16	25	125	15	30	**–**	**MS1160**	T20
3017337	**A4SML2020K0217**	2	17	2	20	20	31	125	19	34	**MS1944**	**–**	T25
3017335	**A4SML2525M0214**	2	14	2	25	25	30	150	24	30	**–**	**MS1160**	T20
3017334	**A4SML2525M0217**	2	17	2	25	25	31	150	24	34	**MS1944**	**–**	T25
1949634	**A4SML1616K0314**	3	14	3	16	16	27	125	15	35	**MS2091**	**–**	T25
2503556	**A4SML2016K0317**	3	17	3	20	16	32	125	15	37	**MS1970**	**–**	T30
1949636	**A4SML2020K0314**	3	14	3	20	20	27	125	19	35	**MS1595**	**–**	T30
2503550	**A4SML2020K0317**	3	17	3	20	20	32	125	19	37	**MS1970**	**–**	T30
1949638	**A4SML2525M0317**	3	17	3	25	25	32	150	24	37	**MS1970**	**–**	T30
1949640	**A4SML2020K0414**	4	14	4	20	20	27	125	18	35	**MS1595**	**–**	T30
2503552	**A4SML2020K0417**	4	17	4	20	20	32	125	18	37	**MS1970**	**–**	T30
1949642	**A4SML2525M0417**	4	17	4	25	25	32	150	23	37	**MS1970**	**–**	T30
1949644	**A4SML3225P0417**	4	17	4	32	25	40	170	23	37	**MS1970**	**–**	T30
1949646	**A4SML2020K0519**	5	19	5	20	20	28	125	18	40	**MS1595**	**–**	T30
1949648	**A4SML2525M0520**	5	20	5	25	25	33	150	23	40	**MS1970**	**–**	T30
1949650	**A4SML3225P0522**	5	22	5	32	25	40	170	23	42	**MS1970**	**–**	T30
2503554	**A4SML2020K0620**	6	20	6	20	20	33	125	17	40	**MS1970**	**–**	T30
2245486	**A4SML2525M0620**	6	20	6	25	25	33	150	22	40	**MS1970**	**–**	T30
2263090	**A4SML3225P0626**	6	26	6	32	25	40	170	22	45	**MS1970**	**–**	T30
2245487	**A4SML2525M0820**	8	20	8	25	25	34	150	21	43	**MS1490**	**–**	T45
2263092	**A4SML3225P0826**	8	26	8	32	25	41	170	21	47	**MS1490**	**–**	T45
2263174	**A4SML3225P1026**	10	26	10	32	25	41	170	21	47	**MS1490**	**–**	T45



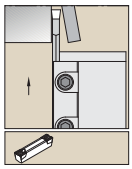


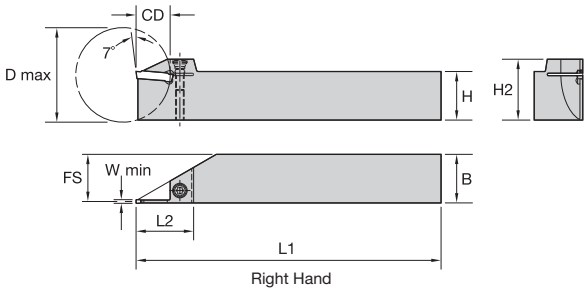


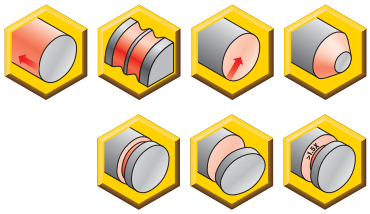
Integral Straight • Short Projection Toolholders • Metric



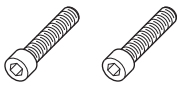
order number	catalogue number	seat size	CD	W min	H	B	H2	L1	FS	LH	clamp screw	clamp screw	Torx
right hand													
3854265	A4SMR2020K0208	2	8	2	20	20	24	125	19	26	–	MS1160	T20
3854267	A4SMR2020K0308	3	8	3	20	20	27	125	19	28	MS1595	–	T30
3854269	A4SMR2020K0408	4	8	4	20	20	27	125	18	28	MS1595	–	T30
3854271	A4SMR2525M0510	5	10	5	25	25	33	150	23	32	MS1970	–	T30
3854273	A4SMR2525M0610	6	10	6	25	25	33	150	22	37	MS1970	–	T30
left hand													
3854266	A4SML2020K0208	2	8	2	20	20	24	125	19	26	–	MS1160	T20
3854268	A4SML2020K0308	3	8	3	20	20	27	125	19	28	MS1595	–	T30
3854270	A4SML2020K0408	4	8	4	20	20	27	125	18	28	MS1595	–	T30
3854272	A4SML2525M0510	5	10	5	25	25	33	150	23	32	MS1970	–	T30
3854274	A4SML2525M0610	6	10	6	25	25	33	150	22	37	MS1970	–	T30



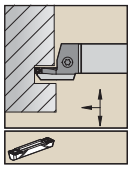


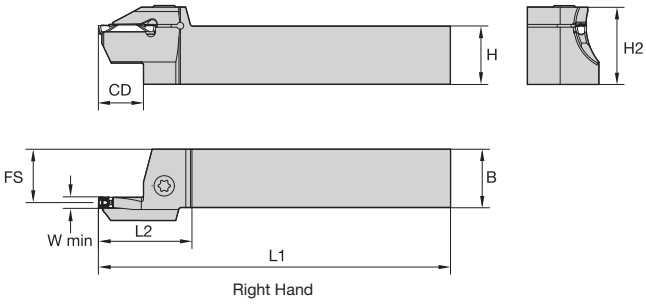


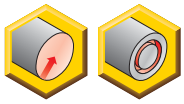
Integral Straight Top Clamp • Metric



order number	catalogue number	seat size	D max	CD	W min	H	B	H2	L1	FS	LH	clamp screw	clamp screw	wrench size clamp screw
right hand														
2982224	A4SCR1010K0113	1	27	13,500	1,50	10	10	21	125	9,40	25	MS1156	–	T15
2978378	A4SCR1212K0113	1	27	13,500	1,50	12	12	21	125	11,40	25	MS1156	–	T15
2982223	A4SCR1616K0113	1	27	13,500	1,50	16	16	21	125	15,40	25	MS1156	–	T15
2982172	A4SCR2020K0113	1	27	13,500	1,50	20	20	25	125	19,40	25	MS1156	–	T15
4169745	A4SCR1212K0214	2	28	14,000	2,00	12	12	21	125	11,17	28	MS1160	–	T20
4169746	A4SCR1616K0217	2	34	17,000	2,00	16	16	26	125	15,20	31	–	MS1944	T25
4169747	A4SCR1212K0314	3	28	14,000	3,00	12	12	23	125	10,72	30	–	MS2091	25 IP
4169748	A4SCR1616K0317	3	34	17,000	3,00	16	16	27	125	14,72	33	–	MS2091	25 IP
left hand														
2982170	A4SCL1212K0113	1	27	13,500	1,50	12	12	21	125	11,40	25	MS1156	–	T15
2982169	A4SCL1616K0113	1	27	13,500	1,50	16	16	21	125	15,40	25	MS1156	–	T15
2982168	A4SCL2020K0113	1	27	13,500	1,50	20	20	25	125	19,40	25	MS1156	–	T15
4169749	A4SCL1212K0214	2	28	14,000	2,00	12	12	21	125	11,17	28	MS1160	–	T20
4169750	A4SCL1616K0217	2	34	17,000	2,00	16	16	26	125	15,20	31	–	MS1944	T25
4169752	A4SCL1616K0317	3	34	17,000	3,00	16	16	27	125	14,72	33	–	MS2091	25 IP


Right hand shown.



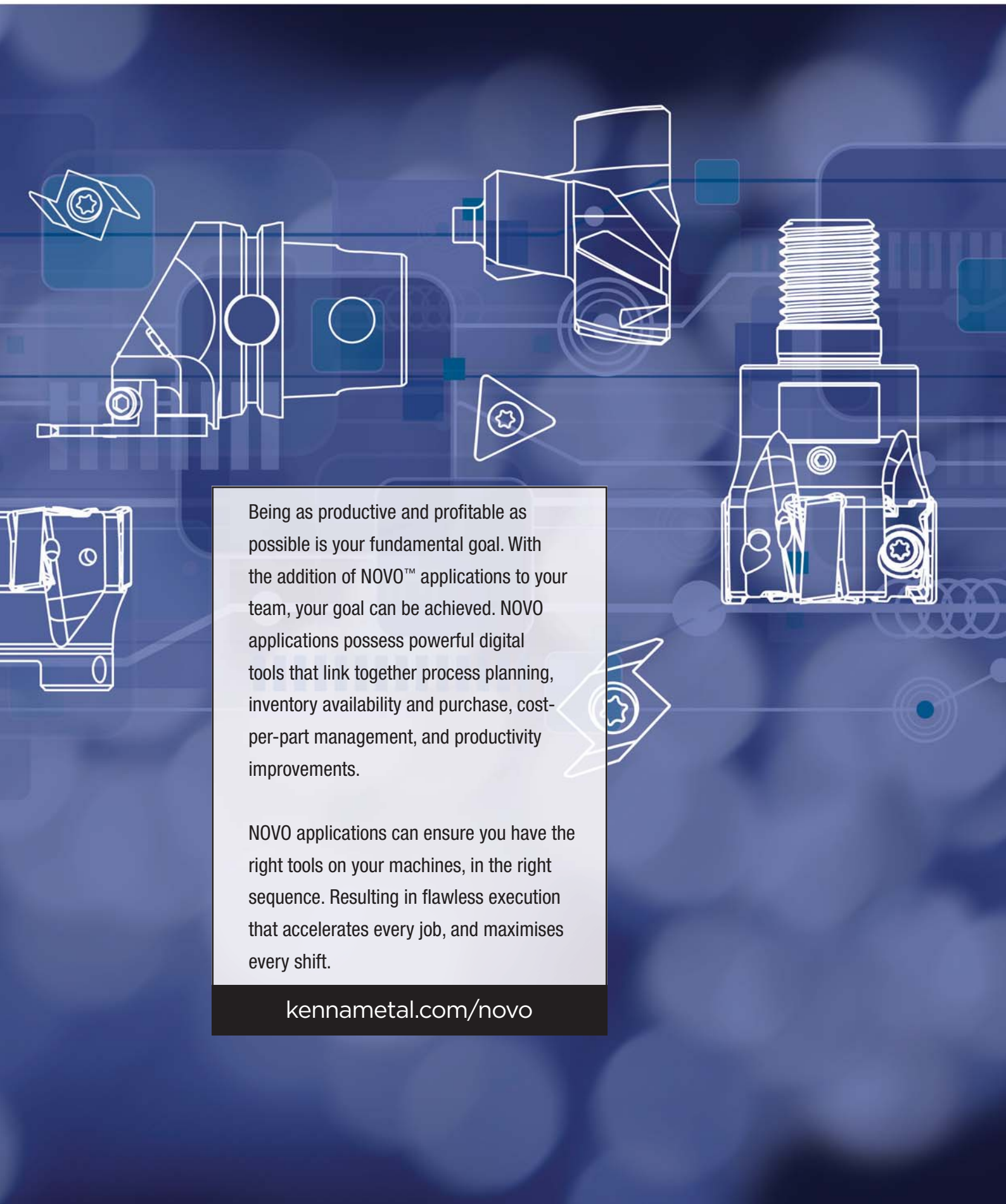


Integral Face Grooving • Outboard • Metric



order number	catalogue number	seat size	CD	D min	D max	W min	H	B	H2	L1	FS	LH	clamp screw	Torx
right hand														
3865920	**A4SBR2020K2S12016020**	2S	12	16	20	2,00	20	20	25	125	19,20	28	–	T20
3865921	**A4SBR2020K2S12020025**	2S	12	20	25	2,00	20	20	25	125	19,20	28	–	T20
3865922	**A4SBR2020K2S12025036**	2S	12	25	36	2,00	20	20	25	125	19,20	28	–	T20
3865923	**A4SBR2020K3S14020025**	3S	14	20	25	3,00	20	20	28	125	18,70	35	**MS1595**	T30
3865924	**A4SBR2020K3S14025036**	3S	14	25	36	3,00	20	20	28	125	18,70	35	**MS1595**	T30
3865926	**A4SBR2020K4S14035048**	4S	14	35	48	4,00	20	20	28	125	18,20	35	**MS1595**	T30
3865927	**A4SBR2525M5S19028038**	5S	19	28	38	5,00	25	25	33	150	22,70	40	**MS1970**	T30
3865928	**A4SBR2525M5S19038058**	5S	19	38	58	5,00	25	25	33	150	22,70	40	**MS1970**	T30
left hand														
3865929	**A4SBL2020K2S12016020**	2S	12	16	20	2,00	20	20	25	125	19,20	28	–	T20
3865931	**A4SBL2020K2S12025036**	2S	12	25	36	2,00	20	20	25	125	19,20	28	–	T20
3865932	**A4SBL2020K3S14020025**	3S	14	20	25	3,00	20	20	28	125	18,70	35	**MS1595**	T30
3865934	**A4SBL2020K4S14025035**	4S	14	25	35	4,00	20	20	28	125	18,20	35	**MS1595**	T30
3865937	**A4SBL2525M5S19038058**	5S	19	38	58	5,00	25	25	33	150	22,70	40	**MS1970**	T30

NOVO KNOWS
ART TO PART TO PROFIT

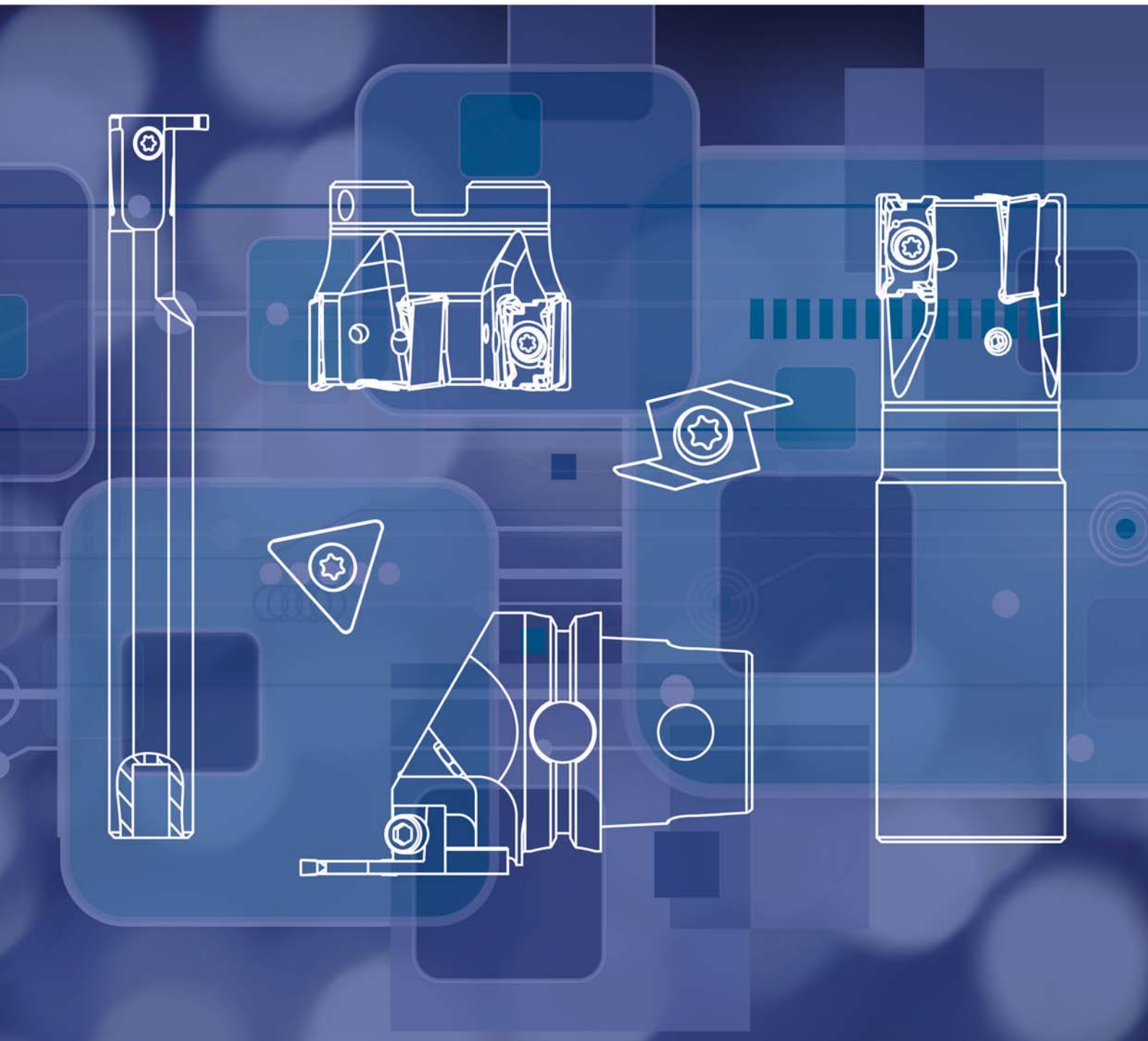


Being as productive and profitable as possible is your fundamental goal. With the addition of NOVO™ applications to your team, your goal can be achieved. NOVO applications possess powerful digital tools that link together process planning, inventory availability and purchase, cost-per-part management, and productivity improvements.

NOVO applications can ensure you have the right tools on your machines, in the right sequence. Resulting in flawless execution that accelerates every job, and maximises every shift.

kennametal.com/novo

KENNAMETAL®

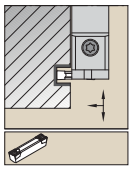


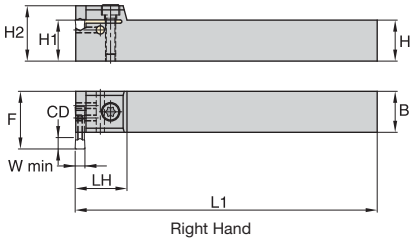
01

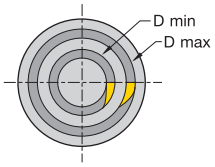
THE DIGITAL SOURCE FOR DELIVERING
SMART MACHINING SOLUTIONS

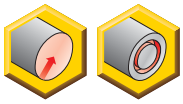
kennametal.com/novo

NOVO™









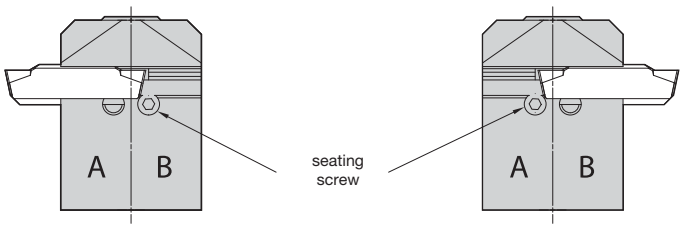
Integral Face Grooving • End Mount • Dua l Handed • Metric



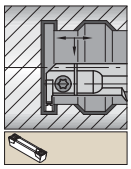

order number	catalogue number	seat size	CD	W min	D min	H1	B	H2	L1	F	LH	clamp screw	Torx	hex seating screw	hex (mm)
2414136	**A4ENN2020K0305**	3	5	3,00	70	20	20	27	125,0	25,4	25	**MS2091**	T25	**MS2090**	1.5 mm
2414137	**A4ENN2525M0305**	3	5	3,00	70	25	25	32	150,0	30,4	25	**MS2091**	T25	**MS2090**	1.5 mm
1949651	**A4ENN2020K0407**	4	7	4,00	90	20	20	27	125,0	27,9	25	**MS2091**	T25	**MS2090**	1.5 mm
1949652	**A4ENN2525M0407**	4	7	4,00	90	25	25	32	150,0	33,1	25	**MS2091**	T25	**MS2090**	1.5 mm
1949654	**A4ENN2525M0509**	5	9	5,00	120	25	25	33	150,0	35,1	34	**MS1970**	T30	**193.297**	1.5 mm
2503543	**A4ENN2020K0611**	6	11	6,00	120	20	20	28	125,0	35,4	34	**MS1595**	T30	**193.297**	2 mm
2503544	**A4ENN2525M0611**	6	11	6,00	120	25	25	33	150,0	38,9	34	**MS1970**	T30	**193.297**	2 mm
2503545	**A4ENN3232P0611**	6	11	6,00	120	32	32	40	170,0	43,4	34	**MS1970**	T30	**193.297**	2 mm

NOTE: D min for face grooving applications.
A4EN-style toolholders are designed without steel support for face grooving capacity. Cutting feed recommendations should be reduced by 25–30%.
Recommended clamp screw torque, 50–70 in. lbs. (6–8 Nm).
Minimum cutting width supplied for reference only; see insert listing for actual width. Always match seat size of insert to seat size of holder.

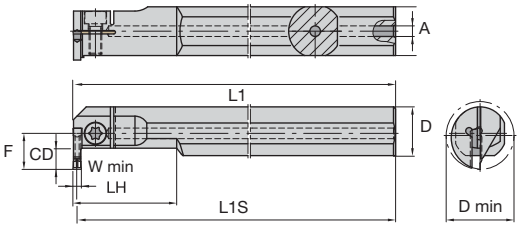
A4EN Insert Mounting



A4EN-style holders can be used for either left- or right-hand applications. The seating screw is to be used in position B for a left-hand cut and in position A for a right-hand cut.



Steel shank with through coolant.



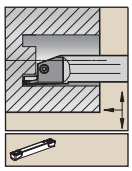
Right Hand

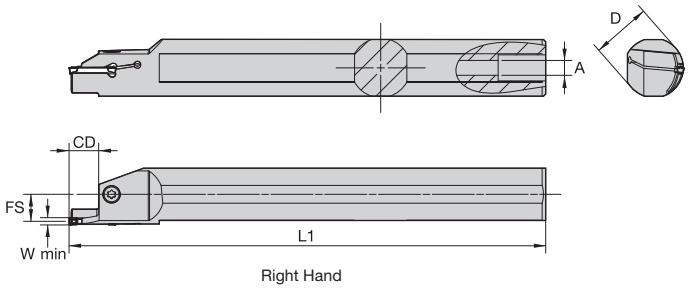


Steel Boring Bar • Metric

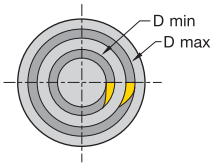


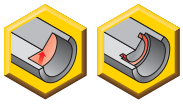
order number	catalogue number	seat size	CD	W min	D	D min	L1	F	L1S	A	clamp screw	wrench size clamp screw
right hand												
2979223	**A20RA4EMR0207M**	2	7,00	2,00	20	25	200	13	199,0	4,00	**MS2089**	25 IP
2979225	**A25RA4EMR0210M**	2	10,00	2,00	25	32	200	17	199,0	5,00	**MS2089**	25 IP
1949655	**A20RA4EMR0307M**	3	7,00	3,00	20	25	200	13	198,5	4,00	**MS2089**	25 IP
1949657	**A25RA4EMR0310M**	3	10,00	3,00	25	32	200	17	198,5	5,00	**MS1595**	T30
1949659	**A32SA4EMR0312M**	3	12,00	3,00	32	40	250	22	248,5	6,00	**MS1595**	T30
1949661	**A20RA4EMR0407M**	4	7,00	4,00	20	25	200	13	198,0	4,00	**MS2089**	25 IP
1949663	**A25RA4EMR0410M**	4	10,00	4,00	25	32	200	17	198,0	5,00	**MS1595**	T30
1949665	**A32SA4EMR0412M**	4	12,00	4,00	32	40	250	22	248,0	6,00	**MS1595**	T30
1949667	**A40TA4EMR0416M**	4	16,00	4,00	40	52	300	30	298,0	6,00	**MS1970**	T30
1949669	**A32SA4EMR0516M**	5	16,00	5,00	32	44	250	26	247,5	6,00	**MS1595**	T30
1949671	**A40TA4EMR0516M**	5	16,00	5,00	40	52	300	30	297,5	6,00	**MS1970**	T30
2263197	**A40TA4EMR0616M**	6	16,00	6,00	40	52	300	30	297,0	6,00	**MS1970**	T30
left hand												
2979192	**A20RA4EML0207M**	2	7,00	2,00	20	25	200	13	199,0	4,00	**MS2089**	25 IP
2979224	**A25RA4EML0210M**	2	10,00	2,00	25	32	200	17	199,0	5,00	**MS2089**	25 IP
1949656	**A20RA4EML0307M**	3	7,00	3,00	20	25	200	13	198,5	4,00	**MS2089**	25 IP
1949658	**A25RA4EML0310M**	3	10,00	3,00	25	32	200	17	198,5	5,00	**MS1595**	T30
1949660	**A32SA4EML0312M**	3	12,00	3,00	32	40	250	22	248,5	6,00	**MS1595**	T30
1949662	**A20RA4EML0407M**	4	7,00	4,00	20	25	200	13	198,0	4,00	**MS2089**	25 IP
1949664	**A25RA4EML0410M**	4	10,00	4,00	25	32	200	17	198,0	5,00	**MS1595**	T30
1949666	**A32SA4EML0412M**	4	12,00	4,00	32	40	250	22	248,0	6,00	**MS1595**	T30
1949668	**A40TA4EML0416M**	4	16,00	4,00	40	52	300	30	298,0	6,00	**MS1970**	T30
1949670	**A32SA4EML0516M**	5	16,00	5,00	32	44	250	26	247,5	6,00	**MS1595**	T30
1949672	**A40TA4EML0516M**	5	16,00	5,00	40	52	300	30	297,5	6,00	**MS1970**	T30
2263198	**A40TA4EML0616M**	6	16,00	6,00	40	52	300	30	297,0	6,00	**MS1970**	T30





Right Hand





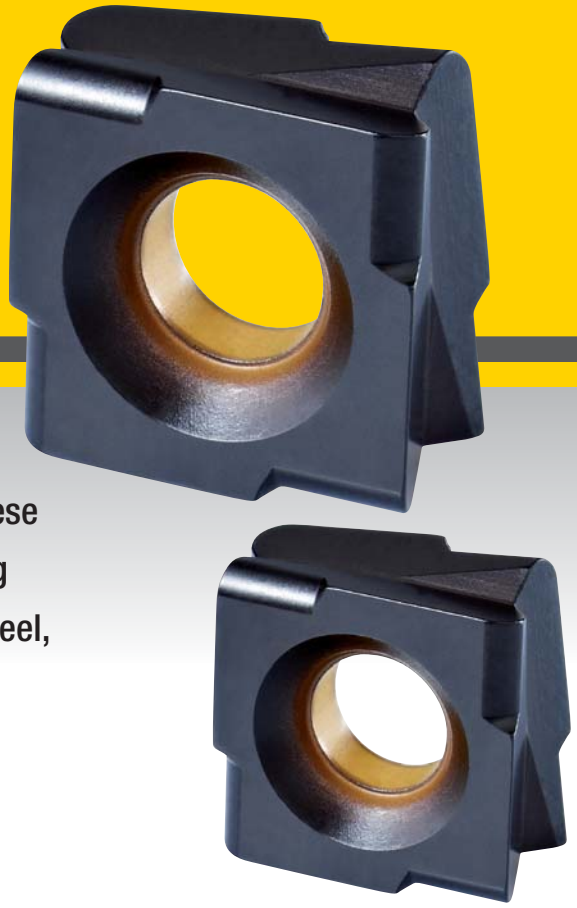
Steel Face Grooving Boring Bar • Metric



order number	catalogue number	seat size	CD	D min	D max	W min	D	L1	FS	A	clamp screw	wrench size clamp screw
right hand												
3871038	**A16RA4SAR2S12M017021**	2S	12,00	17	21	2,00	16	201	7	4,00	**MS1160**	T20
3871039	**A20RA4SAR2S12M021026**	2S	12,00	21	23	2,00	20	201	9	4,00	**MS1160**	T20
3871040	**A25RA4SAR2S12M026036**	2S	12,00	26	36	2,00	25	201	12	6,35	**MS1160**	T20
3871041	**A20RA4SAR3S14M021026**	3S	14,00	21	26	3,00	20	201	9	4,00	**MS1160**	T20
3871042	**A25RA4SAR3S14M026036**	3S	14,00	26	36	3,00	25	201	11	6,35	**MS1160**	T20
left hand												
3871033	**A16RA4SAL2S12M017021**	2S	12,00	17	21	2,00	16	201	7	4,00	**MS1160**	T20
3871034	**A20RA4SAL2S12M021026**	2S	12,00	21	26	2,00	20	201	9	4,00	**MS1160**	T20
3871035	**A25RA4SAL2S12M026036**	2S	12,00	26	36	2,00	25	201	12	6,35	**MS1160**	T20
3871037	**A25RA4SAL3S14M026036**	3S	14,00	26	36	3,00	25	201	11	6,35	**MS1160**	T20

Precision Ground Insert Programme Goes Above and Beyond!

Fix-Perfect™



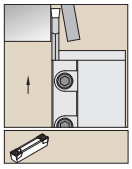
The breakthrough performance characteristics of these precision ground inserts enable outstanding indexing accuracy and excellent chip flow when machining steel, cast iron, and stainless steel workpiece materials.

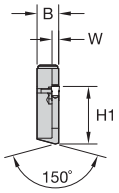
Fix-Perfect Beyond™ inserts are the ideal solution to machining operations in a multitude of industries, including fluid power, energy, automotive, heavy equipment, and general engineering applications.

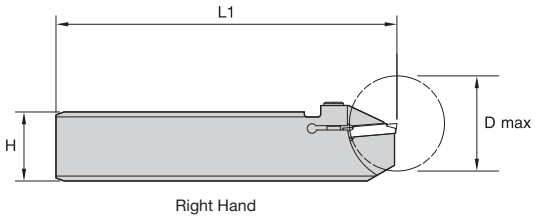
Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com.**

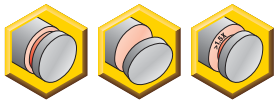
KENNAMETAL®

kennametal.com







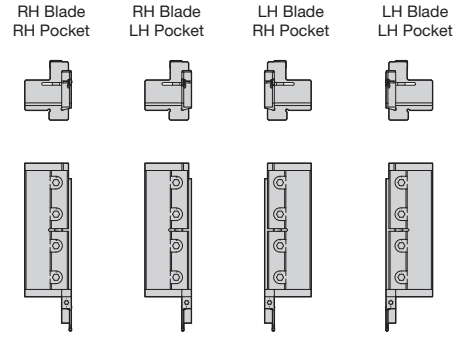


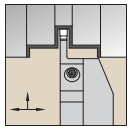
Single-Ended Cut-Off Blade • Metric



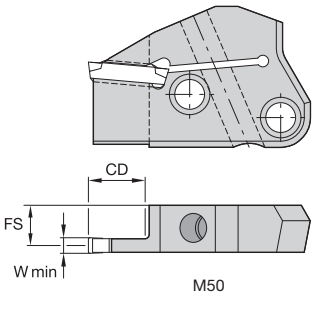
order number	catalogue number	seat size	H	W	H1	L1	B	D max	clamp screw	Torx
right hand										
3967127	**A4BHCL26K0317R**	3	26	3,0	21,4	125	7,95	35	**MS1571**	T20
3967124	**A4BHCL32K0317R**	3	32	3,0	25,0	125	7,95	35	**MS1571**	T20
3967117	**A4BHCR32K0217R**	2	32	2,0	25,0	125	7,95	35	**MS1571**	T20
left hand										
3967136	**A4BHCL32K0217L**	2	32	2,0	25,0	125	7,95	35	**MS1571**	T20
3967137	**A4BHCL32K0317L**	3	32	3,0	25,0	125	7,95	35	**MS1571**	T20
3967134	**A4BHCR26K0317L**	3	26	3,0	21,4	125	7,95	35	**MS1571**	T20

NOTE: Seat size 1 blades only.
Assembly wrenches 170.137 and 170.130 must be ordered separately.

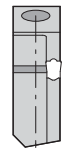


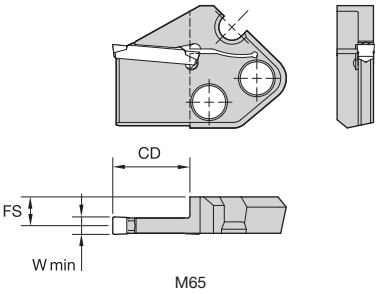

Right hand shown





M50

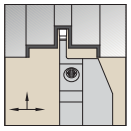

Right Hand



M65

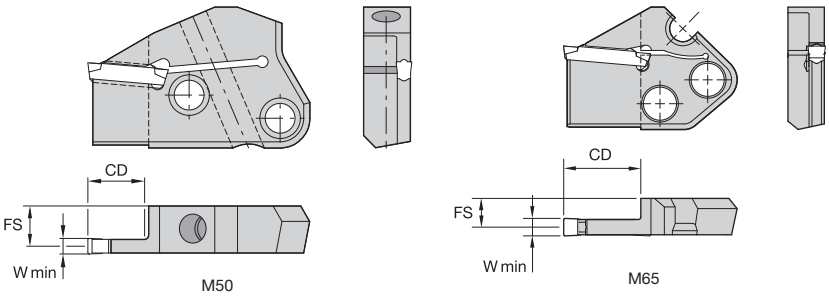
Modular Straight Blade with Coolant

order number	catalogue number	seat size	CD	FS	blade size
right hand					
6401815	**A4M50R0314MC**	3	14,0	10,42	50
6401817	**A4M50R0414MC**	4	14,0	9,92	50
6401819	**A4M50R0519MC**	5	19,0	9,42	50
6401834	**A4M65R0620MC**	6	20,0	9,88	65
6401838	**A4M65R0820MC**	8	20,0	9,00	65
6401852	**A4M65R1020MC**	10	20,0	8,35	65
6401831	**A4M65R0522MC**	5	22,0	10,28	65
6401835	**A4M65R0626MC**	6	26,0	9,88	65
6401839	**A4M65R0826MC**	8	26,0	9,00	65
6401853	**A4M65R1026MC**	10	26,0	8,35	65
left hand					
6401814	**A4M50L0314MC**	3	14,0	10,42	50
6401816	**A4M50L0414MC**	4	14,0	9,92	50
6401818	**A4M50L0519MC**	5	19,0	9,43	50
6401832	**A4M65L0620MC**	6	20,0	9,88	65
6401836	**A4M65L0820MC**	8	20,0	9,00	65
6401840	**A4M65L1020MC**	10	20,0	8,35	65
6401820	**A4M65L0522MC**	5	22,0	10,28	65
6401833	**A4M65L0626MC**	6	26,0	9,88	65
6401837	**A4M65L0826MC**	8	26,0	9,00	65
6401851	**A4M65L1026MC**	10	26,0	8,35	65



Right hand shown.

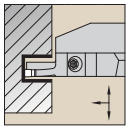




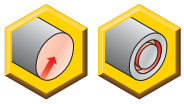
Modular Straight Blade

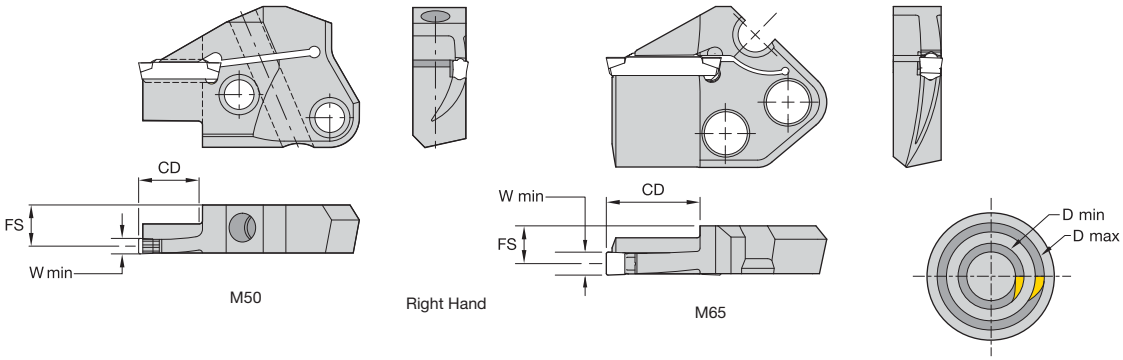
order number	catalogue number	seat size	W min	CD	FS	blade size
right hand						
3051624	**A4M50R0214M**	2	2,00	14,0	10,87	50
1989348	**A4M50R0314M**	3	3,00	14,0	10,43	50
1989350	**A4M50R0414M**	4	4,00	14,0	9,93	50
1989352	**A4M50R0519M**	5	5,00	19,0	9,43	50
3557114	**A4M65R0620M**	6	6,00	20,0	9,88	65
3557116	**A4M65R0626M**	6	6,00	26,0	9,88	65
3557120	**A4M65R0826M**	8	8,00	26,0	9,00	65
3557124	**A4M65R1026M**	10	10,00	26,0	8,35	65
left hand						
3022625	**A4M50L0214M**	2	2,00	14,0	10,87	50
1989347	**A4M50L0314M**	3	3,00	14,0	10,43	50
1989349	**A4M50L0414M**	4	4,00	14,0	9,93	50
3051623	**A4M50L2B14M**	2B	2,50	14,0	10,70	50
1989351	**A4M50L0519M**	5	5,00	19,0	9,43	50
3557115	**A4M65L0620M**	6	6,00	20,0	9,88	65
3557119	**A4M65L0820M**	8	8,00	20,0	9,00	65
3557123	**A4M65L1020M**	10	10,00	20,0	8,35	65
3557117	**A4M65L0626M**	6	6,00	26,0	9,88	65
3557121	**A4M65L0826M**	8	8,00	26,0	9,00	65
3557125	**A4M65L1026M**	10	10,00	26,0	8,35	65

NOTE: Seat size 2B only accepts 2B inserts. Seat size 2 accepts 2 or 2B inserts.



Right hand shown.





Modular Face Grooving Blade • Inboard

order number	catalogue number	seat size	D min	D max	cartridge size
right hand					
3051670	**A4M50R0212A036046**	2	36	46	50
3051671	**A4M50R0212A042054**	2	42	54	50
3051672	**A4M50R0212A050064**	2	50	64	50
3051673	**A4M50R0212A060084**	2	60	84	50
3051674	**A4M50R0212A080124**	2	80	124	50
3051675	**A4M50R0212A120254**	2	120	254	50
3051676	**A4M50R0212A250999**	2	250	–	50
2542517	**A4M50R0314A036048**	3	36	48	50
2542518	**A4M50R0314A042058**	3	42	58	50
2542519	**A4M50R0314A052074**	3	52	74	50
2542520	**A4M50R0314A068100**	3	68	100	50
2542521	**A4M50R0314A090160**	3	90	160	50
2542522	**A4M50R0314A130300**	3	130	300	50
2542523	**A4M50R0314A290999**	3	290	–	50
2542531	**A4M50R0414A048072**	4	48	72	50
2542532	**A4M50R0414A064100**	4	64	100	50
2542533	**A4M50R0414A092150**	4	92	150	50
2542534	**A4M50R0414A132300**	4	132	300	50
2542535	**A4M50R0414A290999**	4	290	–	50
2542541	**A4M50R0519A058094**	5	58	94	50
2542542	**A4M50R0519A080136**	5	80	136	50
2542543	**A4M50R0519A120300**	5	120	300	50
2542544	**A4M50R0519A250999**	5	250	–	50
3557131	**A4M65R0624A070-112**	6	70	112	65
3557163	**A4M65R0624A100-212**	6	100	212	65
3557165	**A4M65R0624A200-999**	6	200	999	65
3557167	**A4M65R0824A090-200**	8	90	200	65
3557169	**A4M65R0824A184-999**	8	184	999	65
3557173	**A4M65R1024A200-999**	10	200	999	65

(*continued*)

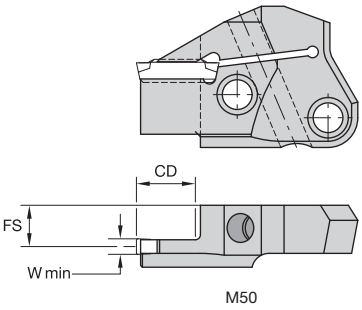
(Modular Face Grooving Blade • Inboard — continued)

order number	catalogue number	seat size	D min	D max	cartridge size
left hand					
3051629	**A4M50L0212A060084**	2	60	84	50
3051631	**A4M50L0212A120254**	2	120	254	50
3051632	**A4M50L0212A250999**	2	250	—	50
2542524	**A4M50L0314A036048**	3	36	48	50
2542527	**A4M50L0314A068100**	3	68	100	50
2542528	**A4M50L0314A090160**	3	90	160	50
2542529	**A4M50L0314A130300**	3	130	300	50
2542530	**A4M50L0314A290999**	3	290	—	50
2542537	**A4M50L0414A064100**	4	64	100	50
2542538	**A4M50L0414A092150**	4	92	150	50
2542539	**A4M50L0414A132300**	4	132	300	50
2542540	**A4M50L0414A290999**	4	290	—	50
2542545	**A4M50L0519A058094**	5	58	94	50
2542546	**A4M50L0519A080136**	5	80	136	50
2542547	**A4M50L0519A120300**	5	120	300	50
2542548	**A4M50L0519A250999**	5	250	—	50
3557132	**A4M65L0624A070-112**	6	70	112	65
3557164	**A4M65L0624A100-212**	6	100	212	65
3557166	**A4M65L0624A200-999**	6	200	999	65
3557174	**A4M65L1024A200-999**	10	200	999	65

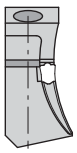


Right hand shown.

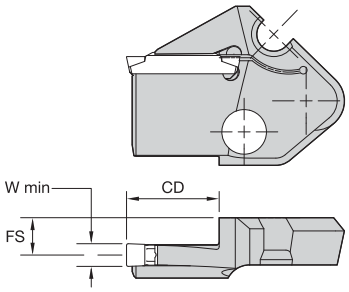




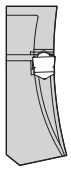
M50

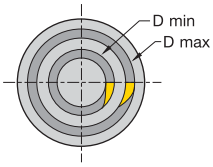


Right Hand



M65





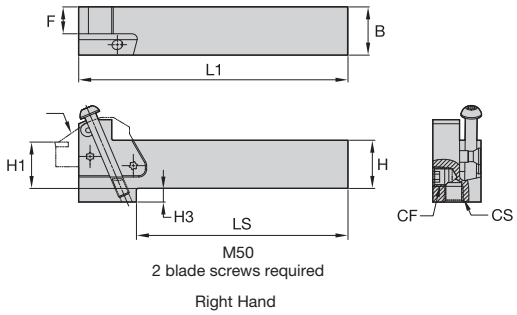
Modular Face Grooving Blade • Outboard

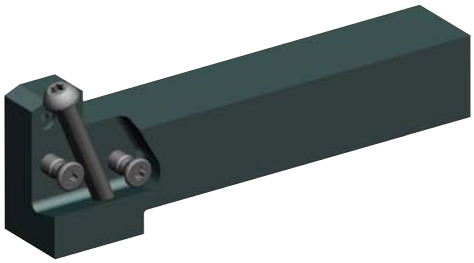
order number	catalogue number	seat size	D min	D max	CD	FS	cartridge size
right hand							
3051677	**A4M50R0212B036046**	2	36	46	12,00	10,900	50
3051678	**A4M50R0212B042054**	2	42	54	12,00	10,900	50
3051679	**A4M50R0212B050064**	2	50	64	12,00	10,900	50
3051680	**A4M50R0212B060084**	2	60	84	12,00	10,900	50
3051681	**A4M50R0212B080124**	2	80	124	12,00	10,900	50
3051682	**A4M50R0212B120254**	2	120	254	12,00	10,900	50
3051683	**A4M50R0212B250999**	2	250	–	12,00	10,900	50
3867457	**A4M50R2S12B016020**	2S	16	20	12,00	10,900	50
3867458	**A4M50R2S12B020025**	2S	20	25	12,00	10,900	50
3867459	**A4M50R2S12B025036**	2S	25	36	12,00	10,900	50
2398751	**A4M50R0314B036048**	3	36	48	14,00	10,500	50
2398752	**A4M50R0314B042058**	3	42	58	14,00	10,500	50
2398763	**A4M50R0314B052074**	3	52	74	14,00	10,500	50
2398764	**A4M50R0314B068100**	3	68	100	14,00	10,500	50
2398765	**A4M50R0314B090160**	3	90	160	14,00	10,500	50
2398766	**A4M50R0314B130300**	3	130	300	14,00	10,500	50
2398767	**A4M50R0314B290999**	3	290	–	14,00	10,500	50
2398775	**A4M50R0414B048072**	4	48	72	14,00	10,000	50
2398776	**A4M50R0414B064100**	4	64	100	14,00	10,000	50
2398777	**A4M50R0414B092150**	4	92	150	14,00	10,000	50
2398778	**A4M50R0414B132300**	4	132	300	14,00	10,000	50
2398779	**A4M50R0414B290999**	4	290	–	14,00	10,000	50
3867460	**A4M50R3S14B020025**	3S	20	25	14,00	10,490	50
3867461	**A4M50R3S14B025036**	3S	25	36	14,00	10,490	50
3867462	**A4M50R4S14B025035**	4S	25	35	14,00	10,000	50
3867464	**A4M50R5S17B028038**	5S	28	38	17,00	9,500	50
2398785	**A4M50R0519B058094**	5	58	94	19,00	9,500	50
2398786	**A4M50R0519B080136**	5	80	136	19,00	9,500	50
2398787	**A4M50R0519B120300**	5	120	300	19,00	9,500	50
2398788	**A4M50R0519B250999**	5	250	–	19,00	9,500	50
3557175	**A4M65R0624B070-112**	6	70	112	24,00	9,870	65
3557177	**A4M65R0624B100-212**	6	100	212	24,00	9,870	65
3557179	**A4M65R0624B200-999**	6	200	999	24,00	9,870	65
3557181	**A4M65R0824B090-200**	8	90	200	24,00	9,000	65
3557193	**A4M65R0824B184-999**	8	184	999	24,00	9,000	65
3557195	**A4M65R1024B100-220**	10	100	220	24,00	8,350	65
3557197	**A4M65R1024B200-999**	10	200	999	24,00	8,350	65

(*continued*)

(Modular Face Grooving Blade • Outboard — continued)

order number	catalogue number	seat size	D min	D max	CD	FS	cartridge size
left hand							
3051663	**A4M50L0212B036046**	2	36	46	12,00	10,900	50
3051664	**A4M50L0212B042054**	2	42	54	12,00	10,900	50
3051665	**A4M50L0212B050064**	2	50	64	12,00	10,900	50
3051666	**A4M50L0212B060084**	2	60	84	12,00	10,900	50
3051667	**A4M50L0212B080124**	2	80	124	12,00	10,900	50
3051668	**A4M50L0212B120254**	2	120	254	12,00	10,900	50
3867466	**A4M50L2S12B016020**	2S	16	20	12,00	10,900	50
3867467	**A4M50L2S12B020025**	2S	20	25	12,00	10,900	50
3867468	**A4M50L2S12B025036**	2S	25	36	12,00	10,900	50
2398768	**A4M50L0314B036048**	3	36	48	14,00	10,500	50
2398769	**A4M50L0314B042058**	3	42	58	14,00	10,500	50
2398770	**A4M50L0314B052074**	3	52	74	14,00	10,500	50
2398771	**A4M50L0314B068100**	3	68	100	14,00	10,500	50
2398772	**A4M50L0314B090160**	3	90	160	14,00	10,500	50
2398773	**A4M50L0314B130300**	3	130	300	14,00	10,500	50
2398774	**A4M50L0314B290999**	3	290	—	14,00	10,500	50
2398780	**A4M50L0414B048072**	4	48	72	14,00	10,000	50
2398781	**A4M50L0414B064100**	4	64	100	14,00	10,000	50
2398782	**A4M50L0414B092150**	4	92	150	14,00	10,000	50
2398783	**A4M50L0414B132300**	4	132	300	14,00	10,000	50
2398784	**A4M50L0414B290999**	4	290	—	14,00	10,000	50
3867469	**A4M50L3S14B020025**	3S	20	25	14,00	10,490	50
3867470	**A4M50L3S14B025036**	3S	25	36	14,00	10,490	50
3867472	**A4M50L4S14B035048**	4S	35	48	14,00	10,000	50
3867484	**A4M50L5S17B028038**	5S	28	38	17,00	9,500	50
2398789	**A4M50L0519B058094**	5	58	94	19,00	9,500	50
2398790	**A4M50L0519B080136**	5	80	136	19,00	9,500	50
2398791	**A4M50L0519B120300**	5	120	300	19,00	9,500	50
2398792	**A4M50L0519B250999**	5	250	—	19,00	9,500	50
3557176	**A4M65L0624B070-112**	6	70	112	24,00	9,870	65
3557178	**A4M65L0624B100-212**	6	100	212	24,00	9,870	65
3557180	**A4M65L0624B200-999**	6	200	999	24,00	9,870	65
3557182	**A4M65L0824B090-200**	8	90	200	24,00	9,000	65
3557194	**A4M65L0824B184-999**	8	184	999	24,00	9,000	65
3557198	**A4M65L1024B200-999**	10	200	999	24,00	8,350	65





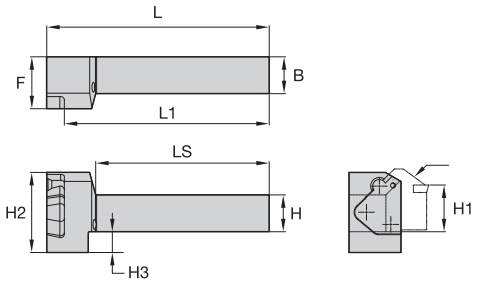
Modular Straight Toolholder • Metric

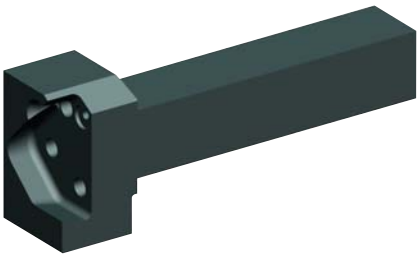
NOTE: For modular straight toolholder with coolant, see page C58.




order number	catalogue number	B	H	L1	F	LS	H3	blade screw	Torx	clamp screw	Torx
right hand											
1600249	**KGMSR2525M50**	25	25	138,75	13,84	109,00	7,00	**MS1162**	T25	**MS2002**	T25
3553429	**KGMSR2525M65**	25	25	150,00	13,00	120,00	14,00	**MS1163**	T30	**–**	–
1621083	**KGMSR3232P50**	32	32	158,75	20,81	–	–	**MS1162**	T25	**MS2002**	T25
3553431	**KGMSR3232P65**	32	32	170,00	20,79	158,00	7,00	**MS1163**	T30	**–**	–
left hand											
1600250	**KGMSL2525M50**	25	25	138,75	13,84	109,00	7,00	**MS1162**	T25	**MS2002**	T25
3553430	**KGMSL2525M65**	25	25	150,00	13,00	120,00	14,00	**MS1163**	T30	**–**	–
1621084	**KGMSL3232P50**	32	32	158,75	20,81	–	–	**MS1162**	T25	**MS2002**	T25
3553432	**KGMSL3232P65**	32	32	170,00	20,79	158,00	7,00	**MS1163**	T30	**–**	–

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).





M65
2 blade screws required

Right Hand

Modular End Mount Toolholders • Metric

NOTE: For modular end mount toolholder with coolant, see page C59.

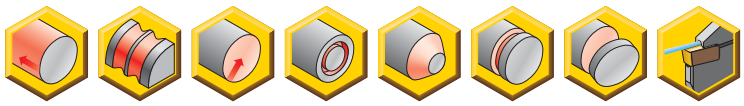


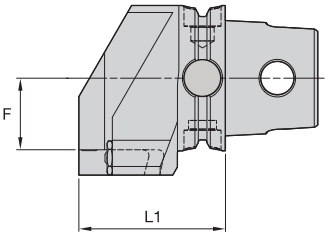


order number	catalogue number	B	H	L1	F	LS	H3	L	blade screw (2 required)	Torx	clamp screw	Torx
right hand												
1600270	**KGMER2525M50**	25	25	139,25	42,75	125,25	6,84	150,25	**MS1162**	T25	**MS2002**	T25
3553453	**KGMER2525M65**	25	25	138,15	35,00	129,00	14,00	150,00	**MS1163**	T30	**–**	–
1621085	**KGMER3232P50**	32	32	159,25	42,75	145,25	–	170,25	**MS1162**	T25	**MS2002**	T25
3553455	**KGMER3232P65**	32	32	158,15	35,00	153,00	7,00	170,00	**MS1163**	T30	**–**	–
left hand												
1600271	**KGMEL2525M50**	25	25	139,25	42,75	125,25	6,84	150,25	**MS1162**	T25	**MS2002**	T25
3553454	**KGMEL2525M65**	25	25	138,15	35,00	129,00	14,00	150,00	**MS1163**	T30	**–**	–
1621086	**KGMEL3232P50**	32	32	159,25	42,75	145,25	–	170,25	**MS1162**	T25	**MS2002**	T25
3553456	**KGMEL3232P65**	32	32	158,15	35,00	153,00	7,00	170,00	**MS1163**	T30	**–**	–

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).

- Best-in-class KM Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.







Right Hand

KM QUICK CHANGE

Modular Straight KM System with Coolant

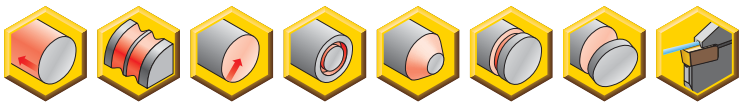


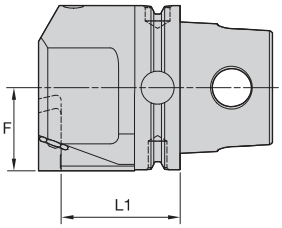


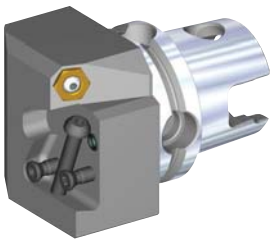
order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
5999790	**KM40TSKGMSR50C**	KM40TS	53,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000422	**KM50TSKGMSR65C**	KM50TS	53,5	22,0	65	**MS1163**	T30	**–**	–
5999864	**KM50TSKGMSR50C**	KM50TS	58,5	23,0	50	**MS1162**	T25	**MS2002**	T25
6000431	**KM63TSKGMSR65C**	KM63TS	58,5	30,0	65	**MS1163**	T30	**–**	–
5999948	**KM63TSKGMSR50C**	KM63TS	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
5999972	**KM63XMZKGMSR50CY**	KM63XMZ	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
6017695	**KM80TSKGMSR65C**	KM80TS	63,5	40,0	65	**MS1163**	T30	**–**	–
6000018	**KM80ATCKGMSR50C**	KM80ATC	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25
6000014	**KM80TSKGMSR50C**	KM80TS	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25
left hand									
5999861	**KM40TSKGMSL50C**	KM40TS	53,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000424	**KM50TSKGMSL65C**	KM50TS	53,5	22,0	65	**MS1163**	T30	**–**	–
5999865	**KM50TSKGMSL50C**	KM50TS	58,5	23,0	50	**MS1162**	T25	**MS2002**	T25
6000433	**KM63TSKGMSL65C**	KM63TS	58,5	30,0	65	**MS1163**	T30	**–**	–
5999949	**KM63TSKGMSL50C**	KM63TS	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
5999973	**KM63XMZKGMSLF50CY**	KM63XMZ	63,5	31,0	50	**MS1162**	T25	**MS2002**	T25
6017696	**KM80TSKGMSL65C**	KM80TS	63,5	40,0	65	**MS1163**	T30	**–**	–
6000019	**KM80ATCKGMSL50C**	KM80ATC	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25
6000015	**KM80TSKGMSL50C**	KM80TS	66,5	41,0	50	**MS1162**	T25	**MS2002**	T25

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71–88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).

- Best-in-class KM Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.






Right Hand

KM QUICK CHANGE

Modular End Mount KM System with Coolant • Metric

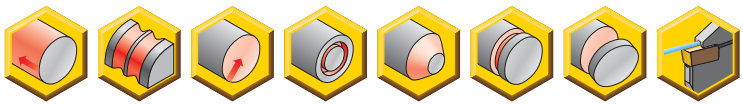


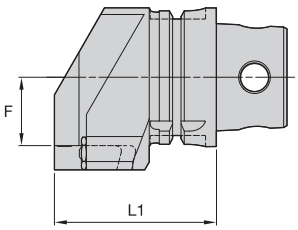


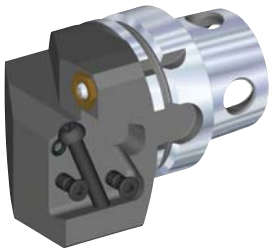
order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
5999788	**KM40TSKGMER50C**	KM40TS	28,0	20,50	50	**MS1162**	T25	**MS2002**	T25
5999862	**KM50TSKGMER50C**	KM50TS	38,0	25,50	50	**MS1162**	T25	**MS2002**	T25
6000410	**KM50TSKGMER65C**	KM50TS	47,0	25,50	65	**MS1163**	T30	**–**	–
6000425	**KM63TSKGMER65C**	KM63TS	47,0	32,52	65	**MS1163**	T30	**–**	–
5999946	**KM63TSKGMER50C**	KM63TS	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6000434	**KM63XMZKGMER65CY**	KM63XMZ	47,0	32,50	65	**MS1163**	T30	**–**	–
5999950	**KM63XMZKGMER50CY**	KM63XMZ	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6017697	**KM80ATCKGMER65C**	KM80ATC	57,0	40,50	65	**MS1163**	T30	**–**	–
6000016	**KM80ATCKGMER50C**	KM80ATC	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25
6017693	**KM80TSKGMER65C**	KM80TS	57,0	40,50	65	**MS1163**	T30	**–**	–
6000012	**KM80TSKGMER50C**	KM80TS	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25
left hand									
5999789	**KM40TSKGMEL50C**	KM40TS	28,0	20,50	50	**MS1162**	T25	**MS2002**	T25
5999863	**KM50TSKGMEL50C**	KM50TS	38,0	25,50	50	**MS1162**	T25	**MS2002**	T25
6000421	**KM50TSKGMEL65C**	KM50TS	47,0	25,50	65	**MS1163**	T30	**–**	–
6000430	**KM63TSKGMEL65C**	KM63TS	47,0	32,52	65	**MS1163**	T30	**–**	–
5999947	**KM63TSKGMEL50C**	KM63TS	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6000436	**KM63XMZKGMELF65CY**	KM63XMZ	47,0	32,50	65	**MS1163**	T30	**–**	–
5999971	**KM63XMZKGMELF50CY**	KM63XMZ	48,0	32,50	50	**MS1162**	T25	**MS2002**	T25
6017698	**KM80ATCKGMEL65C**	KM80ATC	57,0	40,50	65	**MS1163**	T30	**–**	–
6000017	**KM80ATCKGMEL50C**	KM80ATC	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25
6017694	**KM80TSKGMEL65C**	KM80TS	57,0	40,50	65	**MS1163**	T30	**–**	–
6000013	**KM80TSKGMEL50C**	KM80TS	58,0	40,50	50	**MS1162**	T25	**MS2002**	T25

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71-88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).

- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.







Right Hand

Modular Straight KM4X™ System with Coolant

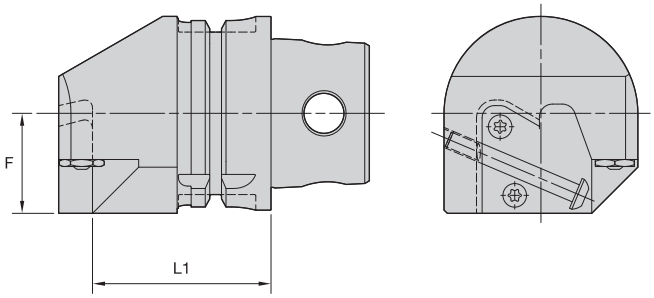


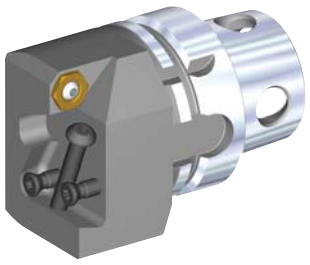


order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
5543560	**KM4X63KGMSR65C**	KM4X63	68,5	30,0	65	**MS1163**	T30	**–**	–
6000407	**KM4X63KGMSR50C**	KM4X63	73,5	31,0	50	**MS1162**	T25	**MS2002**	T25
left hand									
5543558	**KM4X63KGMSL65C**	KM4X63	68,5	30,0	65	**MS1163**	T30	**–**	–
6000408	**KM4X63KGMSL50C**	KM4X63	73,5	31,0	50	**MS1162**	T25	**MS2002**	T25

NOTE: KGMS..: Right-hand holder uses right-hand blades.
KGME..: Right-hand holder uses left-hand blades.
M50 blade and clamp screw torque equals 8–10 Nm (71-88 in. lbs.).
M65 blade and clamp screw torque equals 18–20 Nm (159–177 in. lbs.).







Right Hand

Modular End Mount KM4X™ System with Coolant

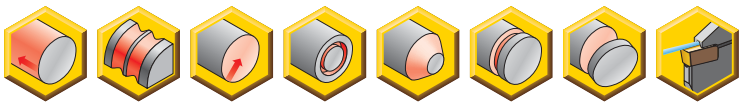


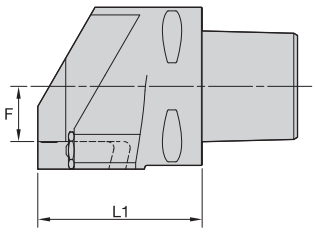


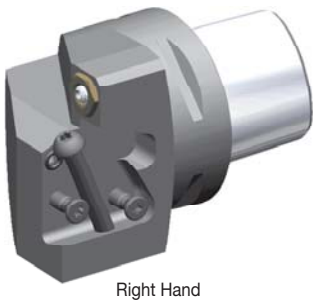


order number	catalogue number	CSMS system size	L1	F	cartridge size	blade screw	nozzle	clamp screw	kg	lbs
right hand										
5543555	**KM4X63KGMER65C**	KM4X63	57,0	32,5	65	**MS1163**	**PMT04525**	**–**	1,87	4.13
6000404	**KM4X63KGMER50C**	KM4X63	58,0	32,5	50	**MS1162**	**PMT04525**	**MS2002**	1,85	4.08
6000407	**KM4X63KGMSR50C**	KM4X63	73,5	31,0	50	**MS1162**	**PMT04525**	**MS2002**	1,86	4.11
left hand										
5543553	**KM4X63KGMEL65C**	KM4X63	57,0	32,5	65	**MS1163**	**PMT04525**	**–**	1,87	4.13
6000405	**KM4X63KGMEL50C**	KM4X63	58,0	32,5	50	**MS1162**	**PMT04525**	**MS2002**	1,85	4.08
6000408	**KM4X63KGMSL50C**	KM4X63	73,5	31,0	50	**MS1162**	**PMT04525**	**MS2002**	1,86	4.11

- Standard PSC Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.







Right Hand

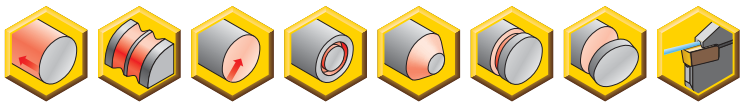
Modular Straight PSC System with Coolant

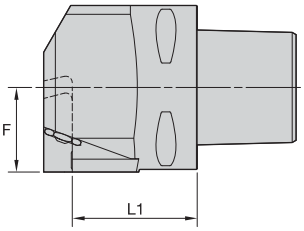




order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
6000028	**PSC40KGMSR50C**	PSC40	63,5	10,0	50	**MS1162**	T25	**MS2002**	T25
5405654	**PSC50KGMSR65C**	PSC50	49,0	25,5	65	**MS1163**	T30	**–**	–
6000152	**PSC50KGMSR50C**	PSC50	63,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000464	**PSC63KGMSR65C**	PSC63	60,5	21,0	65	**MS1163**	T30	**–**	–
6000211	**PSC63KGMSR50C**	PSC63	65,5	22,0	50	**MS1162**	T25	**MS2002**	T25
6000468	**PSC80KGMSR65C**	PSC80	68,5	29,0	65	**MS1163**	T30	**–**	–
6000216	**PSC80KGMSR50C**	PSC80	73,5	30,0	50	**MS1162**	T25	**MS2002**	T25
left hand									
6000029	**PSC40KGMSL50C**	PSC40	63,5	10,0	50	**MS1162**	T25	**MS2002**	T25
5405655	**PSC50KGMSL65C**	PSC50	49,0	25,5	65	**MS1163**	T30	**–**	–
6000153	**PSC50KGMSL50C**	PSC50	63,5	15,0	50	**MS1162**	T25	**MS2002**	T25
6000465	**PSC63KGMSL65C**	PSC63	60,5	21,0	65	**MS1163**	T30	**–**	–
6000213	**PSC63KGMSL50C**	PSC63	65,5	22,0	50	**MS1162**	T25	**MS2002**	T25
6000469	**PSC80KGMSL65C**	PSC80	68,5	29,0	65	**MS1163**	T30	**–**	–
6000217	**PSC80KGMSL50C**	PSC80	73,5	30,0	50	**MS1162**	T25	**MS2002**	T25

- Standard PSC Quick-Change platform.
- Through the pocket coolant capable.
- Interchangeable blades for versatility and depth of cut.







Right Hand

Modular End Mount PSC System with Coolant





order number	catalogue number	CSMS system size	L1	F	blade size	blade screw	Torx	clamp screw	Torx
right hand									
6000026	**PSC40KGMER50C**	PSC40	33,0	20,5	50	**MS1162**	T25	**MS2002**	T25
6000030	**PSC50KGMER50C**	PSC50	43,0	25,5	50	**MS1162**	T25	**MS2002**	T25
5405652	**PSC50KGMER65C**	PSC50	55,5	22,0	65	**MS1163**	T30	**–**	–
6000159	**PSC63KGMER50C**	PSC63	48,0	32,5	50	**MS1162**	T25	**MS2002**	T25
6000462	**PSC63KGMER65C**	PSC63	49,0	32,5	65	**MS1163**	T30	**–**	–
6000466	**PSC80KGMER65C**	PSC80	57,0	40,5	65	**MS1163**	T30	**–**	–
6000214	**PSC80KGMER50C**	PSC80	58,0	40,5	50	**MS1162**	T25	**MS2002**	T25
left hand									
6000027	**PSC40KGMEL50C**	PSC40	33,0	20,5	50	**MS1162**	T25	**MS2002**	T25
6000151	**PSC50KGMEL50C**	PSC50	43,0	25,5	50	**MS1162**	T25	**MS2002**	T25
5405653	**PSC50KGMEL65C**	PSC50	55,5	22,0	65	**MS1163**	T30	**–**	–
6000160	**PSC63KGMEL50C**	PSC63	48,0	32,5	50	**MS1162**	T25	**MS2002**	T25
6000463	**PSC63KGMEL65C**	PSC63	49,0	32,5	65	**MS1163**	T30	**–**	–
6000467	**PSC80KGMEL65C**	PSC80	57,0	40,5	65	**MS1163**	T30	**–**	–
6000215	**PSC80KGMEL50C**	PSC80	58,0	40,5	50	**MS1162**	T25	**MS2002**	T25

Top Notch™

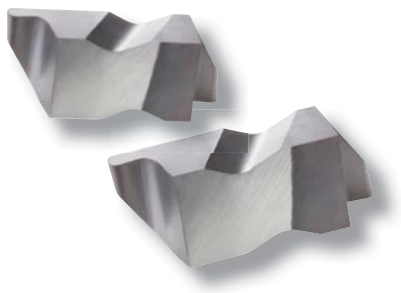
Grooving Tools and Beyond™ Inserts for Your Shallow Groove and Turn Operations

Primary Application

Top Notch Grooving Tools and Beyond Inserts are the proven solution for high productivity. The Top Notch system provides consistent tool performance, accurate indexing, and superior clamping to provide excellent surface finishing and superior tool life.

Features and Benefits

- The Beyond PVD coated grades are designed to cut a variety of workpiece materials.
- Rigid clamping securely locks insert in place through the toughest cuts.
- Versatile design enables one system to handle O.D. and I.D. grooving, face grooving, back turning, undercutting, and even threading operations.
- Chip control inserts provide excellent chip evacuation in grooving, and offer better chip control in multidirectional turning.







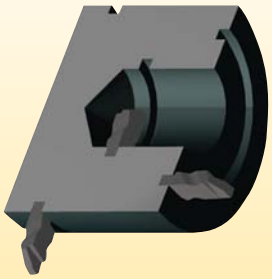
Our rigid clamping design prevents insert movement during high-feed rate applications. This benefit ensures excellent surface finish, improved productivity, and superior tool life and promotes perfect concentricity. The rugged bridge clamp generates locking forces in three directions to provide superior resistance to side thrust and tangential forces.

Step 1 • Select system based on the required groove depth

What you need to know

- Groove depth, width, and profile.
- Material to be machined.
- Application to be performed (face, O.D., or I.D. grooving).
- Toolholder requirements (e.g., KM™, square shank, right/left).

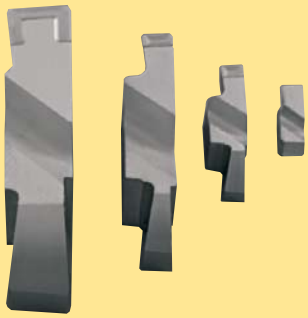
Top Notch™



Grooving
For grooving depth ≤1.5x grooving width, review system capability chart and proceed to Step 2.

Top Notch Grooving for Internal, External, and Face Grooving Applications

system capabilities		minimum in (mm)	maximum in (mm)
O.D./I.D. grooving	width	0.31 (0,79)	.375 (9,53)
	depth	.050 (1,27)	.375 (9,53)
face grooving	width	.125 (3,18)	.375 (9,53)
	depth	.150 (3,81)	.250 (6,35)
internal grooving	diameter	.440 (11,2)	–
face grooving diameter	standard	.940 (23,9)	–
	deep	1.875 (47,6)	–
deep O.D./I/D. grooving	width	.062 (1,57)	.250 (6,35)
	depth	.125 (3,18)	.500 (12,70)
deep face grooving	width	.125 (3,18)	.250 (6,35)
	depth	.250 (6,35)	.500 (12,70)

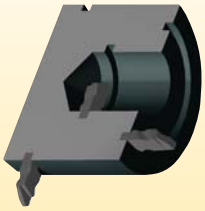


Step 2 • Select toolholder based on the application

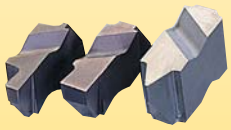
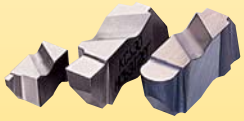
NOTE: Toolholders are available as conventional square shank versions as well as Quick-Change versions. The insert size must match the gage insert of your toolholder selection.

Step 3 • Select chipbreaker style and feed rate

Chipbreaker and Feed Rates • in/rev (mm/rev)



workpiece material and application	P	M	K	N	S	H
first choice	NG-K .003–.011 (0,08–0,28)	NG-K .0025–.008 (0,07–0,20)	NG .004–.012 (0,01–0,30)	NGP .004–.012 (0,01–0,30)	NG-K .0025–.008 (0,07–0,20)	NG-ST CBN tipped .002–.004 (0,05–0,10)
alternate choice	NG .004–.012 (0,10–0,30)	NGP .004–.009 (0,10–0,23)	NG-K .003–.011 (0,08–0,28)	NG-K .003–.012 (0,08–0,30)	NGP .004–.008 (0,10–0,20)	–

_K chipbreaker inserts	flat-top inserts	positive rake inserts
		

Step 4 • Select grade and speed

Recommendations for Grade

Starting speed chart shown under “Application Guide”

machining condition	workpiece material P	M	K	N	S	H
high-performance for optimal conditions (clean cuts, good machine condition, higher speed capability)	**KCP10B** 120–450	**KCU10** 120–260	**KCK20B** 150–550	**KD1425** 150–1500	**KCU10** 15–170	**KB5625** 45–230
general purpose (first choice for general machining)	**KCP25B** 110–365	**KCU25** 120–245	**KCU10** 60–245	**KCU10** 120–975	**KCU10** 15–135	**KB5625** 80–150
unfavourable conditions (roughing, poor machine condition, interrupted cuts, low speed, I.D. grooving)	**KCU25** 85–270	**KCU25** 90–210	**KCU25** 50–195	**K313** 40–610	**KCU25** 8–110	**KB1630** 45–120

Step 5 • Select insert and holder from catalogue page

NOTE: The insert size must match the gage insert size of your toolholder selection.

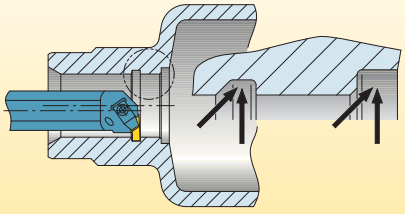
Example for Top Notch • Grooving

Material ..... low-alloyed steel
Groove depth ..... 2mm (.079")
Groove width ..... 3mm (.118")
Operation..... I.D. cut, limited speed capability, plunge groove and chamfer

Recommendation

Insert NG2M300RK
Grade KC5025
Insert width ..... 3mm (.118")
Insert size 2

Toolholder ..... A20QNNT0L2 (metric)
A12NEL2 (inch)
Gage insert N.2R



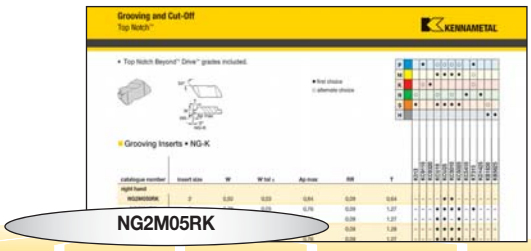
Speed: 120 m/min (400 SFM)
Feed: 0,15 mm/rev (.006 in/rev)

Congratulations!

You have successfully maximised your productivity by selecting the best Top Notch insert geometry, grade, and cutting specifications for your application!

How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



N	G		2	M	05	R		K	
Type of Insert	Insert Style	Additional Information	Insert Size	Size Identification	Groove Size**	Hand of Insert	Cutting Depth	Chipbreaker Design	Definition of Inserts
N = Top Notch	**B** = Blank (for special forms) **F** = Face grooving **G** = Grooving **P** = Back **R** = Full radius **U** = Undercutting (or relieving) **V** = Poly-Vee	**D** = Deep grooving **P** = Positive **C** = Groove and chamfer		**M** = Metric insert groove width **C** = Circlip groove insert width is nominal circlip size ☐ = Blank indicates inch width insert		**L** = Left hand **R** = Right hand	Shown for groove and chamfer inserts in 0,01mm increments.	**E** = Hone only **K** = Standard chip control **S** = T Land and Hone **ST** = STD Tip (PcBN)	Groove size "J" or "L" for Poly-Vee inserts "I" indicates internal face grooving

insert number	W1 mm
1	2,54
2	3,81
3	4,95
4	6,98
5	9,65
6	9,73

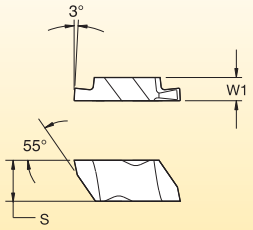
Position pertains to groove width for F-, G-, and U-style inserts, radii for R-style grooving inserts, and circlip size for groove and chamfer inserts. Dimension in 0,01mm.

Metric example: 3,25mm width groove or radius equals "325" catalogue position number.

Width Tolerance: ±0,025mm unless otherwise specified.

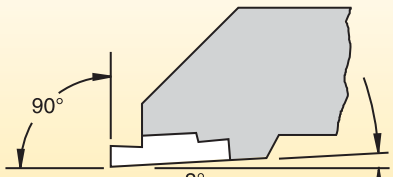
*Kennametal proprietary identification system.
**Omit position for Top Notch NB-style blanks.

Top Notch Threading and Grooving Insert Dimensions



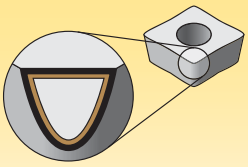
insert size	S mm	W1 mm
1	2,54	2,54
2	5,56	3,81
3	8,74	4,95
4	11,51	6,48
5	17,48	9,65
6	11,51	9,73
8	7,93	11,13

Top Notch Holder Design



NOTE: Holders are designed to locate insert inclined to 3° to provide back clearance down open side.

Kennametal and Top Notch tooling technology combine to bring you the very best threading and grooving system available in the world today.

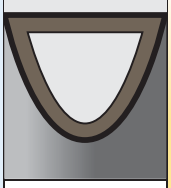
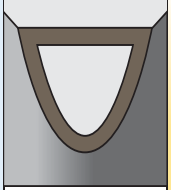
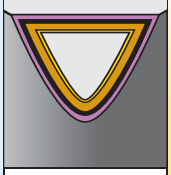
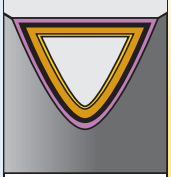
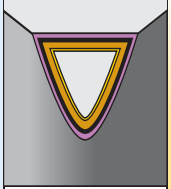


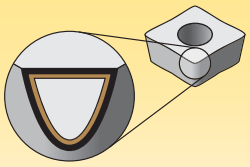
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

Grades

Coating		Grade Description		05	10	15	20	25	30	35	40	45
KCU10		**Composition:** An advanced multilayer PVD coating over a very deformation-resistant unalloyed carbide substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU10™ grade is ideal for finishing to general machining of most workpiece materials at a wide range of speed and feed capabilities. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and high-temp alloys with improved edge toughness, notch resistance, and higher cutting speed/feed capability.	P		■	■	■					
			M		■	■	■					
			K	■	■	■	■					
			N		■	■	■					
			S		■	■	■					
			H		■							
	–											
												beyond
KCU25		**Composition:** An advanced PVD grade with hard AlTiN coating and fine-grain unalloyed substrate. The new and improved coating improves edge stability with wide range speed and feed capabilities. **Application:** The KCU25™ grade is ideal for general machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials in a wide range of speeds and feeds with improved edge toughness for interrupted cut and high feed rates.	P				■	■	■			
			M				■	■	■			
			K				■	■	■			
			N				■	■	■			
			S				■	■	■			
	–											
												beyond
KCP10B		**Composition:** A specially engineered cobalt-enriched carbide grade with thick MTCVD TiCN-Al_2O_3-TiOCN coating for maximum wear resistance. **Application:** An excellent finishing to medium machining grade for a variety of workpiece materials, including most steels, ferritic, martensitic, and PH stainless steels, and cast irons. The cobalt-enriched substrate offers a balanced combination of deformation resistance and edge toughness, while the thick coating layers offer outstanding abrasion resistance and crater wear resistance for high-speed machining. Smooth coating provides resistance to edge build-up and microchipping and produces excellent surface finishes.	P		■	■	■					
			K					■	■	■		
	–											
												beyond DRIVE
KCP25B		**Composition:** A tough cobalt-enriched carbide grade with a multilayer MTCVD TiCN-Al_2O_3-TiOCN coating with superior interlayer adhesion. **Application:** Best general-purpose turning grade for most steels and ferritic and martensitic stainless steels. The substrate design ensures adequate deformation resistance with excellent insert edge strength. Coating layers offer good wear resistance over a wide range of machining conditions and the post-coat treatment minimises microchipping and improves coating adhesion to substrate leading to long tool life and improved workpiece finishes.	P				■	■	■			
			K						■	■	■	
	–											
												beyond DRIVE
KCK20B		**Composition:** A specially toughened MTCVD TICN-Al_2O_3-TiOCN coating over a wear-resistant substrate. **Application:** Specifically engineered to maximise coating adhesion and edge strength making this grade ideal in wet interrupted cutting of grey and ductile irons. It can be used in a wide range of applications from finishing to roughing to maximise productivity wherever strength and reliability are needed.	P		■	■						
			K			■	■	■	■			
	–											
												beyond DRIVE



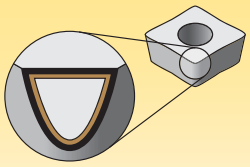
Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

Grades

Coating	Grade Description		05	10	15	20	25	30	35	40	45
K313	**Composition:** A hard, low binder content, unalloyed WC/Co fine-grain grade. **Application:** Exceptional edge wear resistance combined with very high strength for machining titanium, cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and most high-temp alloys. Superior thermal deformation and depth-of-cut notch resistance. The grain structure is well controlled for minimal pits and flaws, which contributes to long, reliable service.	M									
		K									
		N									
		S									
KC5010	**Composition:** An advanced PVD AlTiN coating over a very deformation-resistant unalloyed carbide substrate. **Application:** The KC5010™ grade is ideal for finishing to general machining of most workpiece materials at higher speeds. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and high-temp alloys under stable conditions. It also performs well machining hardened and short chipping materials.	P									
		M									
		K									
		N									
		S									
		H									
KC5025	**Composition:** An advanced PVD-AlTiN-coated grade with a tough, ultra-fine-grain unalloyed substrate. **Application:** For general-purpose machining of most steels, stainless steels, high-temp alloys, titanium, irons, and non-ferrous materials. Speeds may vary from low to medium and will handle interruptions and high feed rates.	P									
		M									
		K									
		N									
		S									



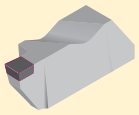
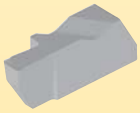
Coatings provide high-speed capability and are engineered for finishing to light roughing.

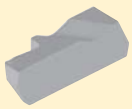
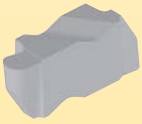
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

wear resistance ← → toughness

Grades

Coating	Grade Description	05	10	15	20	25	30	35	40	45
KT315 –	**Composition:** A multilayer PVD TiN/TiCN/TiN-coated cermet turning grade. **Application:** Ideal for high-speed finishing to medium machining of most carbon and alloy steels and stainless steels. Performs very well in cast and ductile iron applications, too. Provides long and consistent tool life and will produce excellent workpiece finishes.	P	P							
		K	K							
KB1630 –	**Composition:** An uncoated high content PcBN grade. PcBN tips are brazed onto a carbide insert. **Application:** Designed for roughing to finishing in interrupted cuts on hardened steels (>45 HRC). It can also be applied on grey cast iron, chilled irons, high chrome alloyed steels, high temp alloys and sintered powder metals. The tipped PcBN inserts are available in a wide range of insert styles, including Top Notch™ and Screw-On geometries.									
		K	K	K						
		S	S	S						
		H				H	H	H		
KB5625 –	**Composition:** A medium content PcBN with a PVD-TiN/AlTiN coating for added wear resistance. **Application:** Designed for roughing to finishing of hardened steels (>45 HRC). Use on bearing steels, hot and cold work steels, die steels, case hardened steels, carburised and nitrided irons, and some hard coatings.									
		H			H	H	H			
KD1425 –	**Composition:** A multimodal PCD grade with a range of grain sizes brazed onto a carbide substrate. **Application:** Engineered for extreme abrasion resistance, combined with good edge strength for demanding applications. An ideal choice for high-silicon aluminium alloys, bi-metallic (AL/GCI) materials, MMC, carbon-fibre reinforced plastics, and other abrasive non-metallic materials.									
		N	N	N	N					

insert style	application	rake angle	page(s)
NG 	• General-purpose grooving. • O-ring grooving. • Circlip grooving.	neutral	C154
NG-K 	• Chip control geometry. • General-purpose grooving. • O-ring grooving. • Circlip grooving. • Light turning.	10° positive	C146
NG-ST 	• Hard turning.	neutral	C163
NGC-K 	• Combined groove and chamfered edge break in one positive plunge with chip control. • Designed for DIN 471/472 standard circlup grooves.	10° positive	C152
NGD 	• Deep grooving.	neutral	C157
NGD-K 	• Chip control geometry. • Deep grooving. • Light turning.	10° positive	C149
NGP 	• General-purpose grooving. • O-ring grooving. • Circlip grooving.	5° positive	C152
NF 	• Face grooving. • Additional side clearance.	neutral	C161
NF-K 	• Face grooving with chip control. • Additional side clearance.	10° positive	C159
NFD-K 	• Deep face grooving with chip control. • Additional side clearance.	10° positive	C160

insert style	application	rake angle	page(s)
NFD-KI 	• Internal deep face grooving with chip control. • For use in boring bars for internal face grooves.	10° positive	C160
NP-K NPD-K 	• Turning. • Back turning positive. • Profiling with chip control.	10° positive	C151
NR 	• Full radius grooving. • Turning and profiling.	neutral	C158
NR-K 	• Chip control geometry. • Full radius grooving, turning, and profiling.	10° positive	C150
NRD 	• Deep grooving. • Full radius end-form.	neutral	C159
NRP 	• Full radius grooving. • Light-turning profiling.	5° positive	C153
NU 	• Undercutting.	neutral	C161
NV 	• Poly-Vee grooving.	neutral	C162
NB/NBD 	• Blanks. • Blanks for deep grooving. • Available in uncoated grades only.	–	C162–C163

Kennametal on the Web

kennametal.com

FIND THE LATEST PRODUCT INFORMATION

Whether your operation is turning, milling, or holemaking, Kennametal brands are the high-performance tooling you need. We offer standard and custom solutions for a wide range of applications.

Find information about our most current campaigns and catalogues.

Register on Konnect for the full functionality of the Kennametal online ordering website.



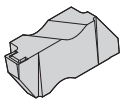
CONTACT US

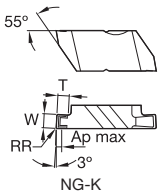
Our customers are important to us. We want to provide you the best customer service in the industry. If you have a comment or question, please send it to us. We strive to respond to all inquiries within 24 hours.

FIND A LOCAL AUTHORISED DISTRIBUTOR IN YOUR AREA

Kennametal offers world-class products and services globally. Our distributors know us, and more importantly, they know you. They know better than anyone in the industry how to put the global power of Kennametal to work for you — in your industry, in your region, and for your business.

- Top Notch Beyond Drive™ grades included.





● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

Groove and Turn • Chip Control

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NG2M050RK	2	0,50	0,03	0,64	0,09	0,64	●	●	–	●	–	–	●	–	–	–	–	–
NG2031RK	2	0,79	0,03	0,76	0,09	1,27	●	●	●	●	–	–	●	●	●	–	–	–
NG2M080RK	2	0,80	0,03	0,76	0,09	1,27	●	●	●	●	–	–	–	●	–	–	–	–
NG2M100RK	2	1,00	0,03	0,76	0,09	1,28	●	●	●	●	–	–	●	●	–	–	–	–
NG2047RK	2	1,19	0,03	0,76	0,09	1,27	●	●	●	●	–	–	●	●	●	–	–	–
NG2M120RK	2	1,20	0,03	0,76	0,09	1,27	●	●	●	●	–	–	●	●	–	–	–	–
NG2M140RK	2	1,40	0,03	0,76	0,09	1,28	●	●	●	●	–	–	●	●	–	–	–	–
NG2M150RK	2	1,50	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	●	–	–	–	–
NG2062RK	2	1,56	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	●	–	–	–
NG2M170RK	2	1,70	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	–	–	–	–
NG2M175RK	2	1,75	0,03	1,09	0,19	2,81	–	●	–	●	–	–	–	–	–	–	–	–
NG2M195RK	2	1,95	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	–	–	–	–
NG2M200RK	2	2,00	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	●	–	–	–
NG2M220RK	2	2,20	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	●	–	–	–	–
NG2M225RK	2	2,25	0,03	1,09	0,19	2,81	●	●	●	●	–	–	–	●	–	–	–	–
NG2094RK	2	2,39	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	●	–	–	–
NG2M250RK	2	2,50	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	●	–	–	–	–
NG2M275RK	2	2,75	0,03	1,09	0,19	2,79	●	●	●	●	–	–	–	●	–	–	–	–
NG2M300RK	2	3,00	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	–	–	–	–
NG2125RK	2	3,18	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	●	–	–	–
NG2M320RK	2	3,20	0,03	1,09	0,19	2,79	–	–	–	●	–	–	–	–	–	–	–	–
NG2M325RK	2	3,25	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	●	–	–	–	–
NG3M100RK	3	1,00	0,03	0,76	0,20	1,91	–	●	–	●	–	–	–	●	–	–	–	–
NG3047RK	3	1,19	0,03	0,76	0,19	1,91	●	●	●	●	–	–	●	●	–	–	–	–
NG3M120RK	3	1,20	0,03	0,76	0,19	1,91	●	●	●	●	–	–	–	●	–	–	–	–
NG3M150RK	3	1,50	0,03	1,02	0,19	2,39	–	●	–	●	–	–	–	●	–	–	–	–
NG3062RK	3	1,58	0,03	1,02	0,19	2,39	●	●	●	●	–	–	●	●	●	–	–	–
NG3M175RK	3	1,75	0,03	1,02	0,19	2,39	–	●	–	●	–	–	–	●	–	–	–	–
NG3072RK	3	1,83	0,03	1,02	0,19	2,39	●	●	●	●	–	–	●	●	–	–	–	–
NG3078RK	3	1,98	0,03	1,02	0,19	2,39	●	●	●	●	–	–	●	●	–	–	–	–
NG3M200RK	3	2,00	0,03	1,02	0,19	2,39	–	●	–	●	–	–	–	●	●	–	–	–
NG3M220RK	3	2,20	0,03	1,02	0,19	2,39	–	●	–	●	–	–	–	●	–	–	–	–
NG3M225RK	3	2,24	0,03	1,02	0,19	2,39	●	●	●	●	–	–	●	●	–	–	–	–
NG3094RK	3	2,39	0,03	1,02	0,19	3,81	●	●	●	–	–	–	●	●	●	–	–	–
NG3M250RK	3	2,50	0,03	1,02	0,19	3,81	–	●	–	●	–	–	–	●	–	–	–	–

(continued)

(Groove and Turn • Chip Control — continued)

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

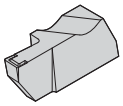
catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
NG3M275RK	3	2,75	0,03	1,02	0,19	3,81	●	●	●	●	–	–	●	●	–	–	–	–
NG3M300RK	3	3,00	0,03	1,02	0,19	3,81	●	●	●	●	–	–	●	●	–	–	–	–
NG3125RK	3	3,18	0,03	1,02	0,19	3,81	●	●	●	●	–	–	●	●	●	–	–	–
NG3M320RK	3	3,20	0,03	1,02	0,19	3,81	–	●	–	●	–	–	–	●	–	–	–	–
NG3M325RK	3	3,25	0,03	1,02	0,19	3,81	–	●	–	●	–	–	–	●	–	–	–	–
NG3M350RK	3	3,50	0,03	2,92	0,32	3,81	–	●	–	●	–	–	–	●	–	–	–	–
NG3156RK	3	3,96	0,03	2,92	0,19	3,81	●	●	●	●	–	–	●	●	–	–	–	–
NG3M400RK	3	4,00	0,03	2,92	0,32	3,81	●	●	●	●	–	–	●	●	–	–	–	–
NG3M425RK	3	4,25	0,03	2,92	0,32	3,81	●	●	●	●	–	–	–	●	–	–	–	–
NG3M450RK	3	4,50	0,03	2,92	0,32	3,81	–	●	–	●	–	–	–	–	–	–	–	–
NG3189RK	3	4,80	0,03	2,92	0,57	3,81	●	●	●	●	–	–	●	●	–	–	–	–
NG4M300RK	4	3,00	0,03	1,02	0,19	3,81	–	●	–	●	–	–	–	–	–	–	–	–
NG4125RK	4	3,18	0,03	1,06	0,19	3,81	●	●	●	●	–	–	●	–	–	–	–	–
NG4M350RK	4	3,50	0,03	2,92	0,57	6,35	–	●	–	●	–	–	–	–	–	–	–	–
NG4M400RK	4	4,00	0,03	2,92	0,57	6,35	–	●	●	●	–	–	●	●	–	–	–	–
NG4M450RK	4	4,50	0,03	2,92	0,57	6,35	–	●	–	●	–	–	–	–	–	–	–	–
NG4189RK	4	4,80	0,03	2,92	0,57	6,35	●	●	●	●	–	–	●	●	–	–	–	–
NG4M500RK	4	5,00	0,03	2,92	0,32	6,35	●	●	●	●	–	–	–	–	–	–	–	–
NG4M550RK	4	5,50	0,03	3,81	0,57	6,35	–	–	–	●	–	–	–	–	–	–	–	–
NG4M600RK	4	6,00	0,03	3,81	0,57	6,35	–	●	–	●	–	–	–	–	–	–	–	–
NG4250RK left hand	4	6,35	0,03	3,81	0,57	6,35	–	●	●	●	–	–	●	●	–	–	–	–
NG2M050LK	2	0,50	0,03	0,64	0,09	0,64	●	●	–	●	–	–	●	–	–	–	–	–
NG2031LK	2	0,79	0,03	0,76	0,09	1,27	●	●	●	●	–	–	●	●	–	–	–	–
NG2M080LK	2	0,80	0,03	0,76	0,09	1,27	●	●	●	●	–	–	–	●	–	–	–	–
NG2M100LK	2	1,00	0,03	0,76	0,08	1,27	●	●	●	●	–	–	●	●	–	–	–	–
NG2047LK	2	1,19	0,03	0,76	0,09	1,27	●	●	●	●	–	–	●	●	–	–	–	–
NG2M120LK	2	1,20	0,03	0,76	0,09	1,27	●	●	●	●	–	–	●	●	–	–	–	–
NG2M140LK	2	1,40	0,03	0,76	0,09	1,27	●	●	●	●	–	–	–	●	–	–	–	–
NG2M150LK	2	1,50	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	●	–	–	–	–
NG2062LK	2	1,58	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	–	–	–	–
NG2M170LK	2	1,70	0,03	1,09	0,19	2,79	–	●	●	●	–	–	●	●	–	–	–	–
NG2M175LK	2	1,75	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	●	–	–	–	–
NG2M195LK	2	1,95	0,03	1,09	0,19	2,79	–	●	●	●	–	–	●	–	–	–	–	–
NG2M200LK	2	2,00	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	–	–	–	–
NG2M220LK	2	2,20	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	–	–	–	–	–
NG2M225LK	2	2,25	0,03	1,09	0,19	2,79	●	●	●	●	–	–	–	●	–	–	–	–
NG2094LK	2	2,39	0,03	1,09	0,19	2,79	●	●	●	●	–	–	●	●	–	–	–	–
NG2M250LK	2	2,50	0,03	1,09	0,19	2,79	–	●	–	●	–	–	–	●	–	–	–	–
NG2M275LK	2	2,75	0,03	1,09	0,19	2,79	●	●	–	●	–	–	●	–	–	–	–	–

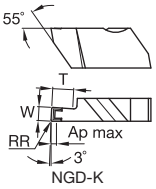
(continued)

(Groove and Turn • Chip Control — continued)

● first choice
○ alternate choice

| | | |





● first choice
○ alternate choice

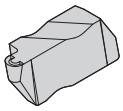
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

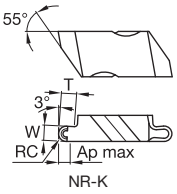
Groove and Turn • Deep Grooving • Chip Control

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NGD2M150RK	2	1,50	0,03	1,09	0,19	4,06	●	●	–	–	–	–	●	●	–	–	–	–
NGD2M200RK	2	2,00	0,03	1,09	0,19	5,08	●	●	–	–	–	–	●	●	–	–	–	–
NGD2M250RK	2	2,50	0,03	1,09	0,19	5,08	●	●	–	–	–	–	–	●	–	–	–	–
NGD3062RK	3	1,58	0,03	1,02	0,19	3,18	●	●	–	–	–	●	●	●	–	–	–	–
NGD3M200RK	3	2,00	0,03	1,02	0,19	4,06	●	●	–	–	–	–	●	●	–	–	–	–
NGD3094RK	3	2,39	0,03	1,02	0,19	6,35	●	●	–	–	–	●	●	●	–	–	–	–
NGD3M250RK	3	2,50	0,03	1,02	0,19	6,35	–	●	–	–	–	–	●	●	–	–	–	–
NGD3M300RK	3	3,00	0,03	1,02	0,19	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NGD3125RK	3	3,18	0,03	1,02	0,19	6,35	●	●	–	–	–	●	●	●	–	–	–	–
NGD3M400RK	3	4,00	0,03	2,92	0,32	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NGD3189RK	3	4,80	0,03	2,92	0,58	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NGD4125RK	4	3,18	0,03	1,02	0,19	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NGD4189RK	4	4,80	0,03	2,92	0,57	9,53	●	●	–	–	–	–	●	●	–	–	–	–
NGD4M550RK	4	5,50	0,03	3,81	0,57	12,70	–	●	–	–	–	–	–	–	–	–	–	–
NGD4250RK	4	6,35	0,03	3,81	0,57	12,70	●	●	–	–	–	–	●	●	–	–	–	–
left hand																		
NGD2M150LK	2	1,50	0,03	1,09	0,19	4,06	●	●	–	–	–	–	–	●	–	–	–	–
NGD2M200LK	2	2,00	0,03	1,09	0,19	5,08	●	●	–	–	–	–	●	●	–	–	–	–
NGD2M250LK	2	2,50	0,03	1,09	0,19	5,08	●	●	–	–	–	–	●	●	–	–	–	–
NGD3062LK	3	1,57	0,03	1,02	0,19	3,18	●	●	–	–	–	–	●	●	–	–	–	–
NGD3M200LK	3	2,00	0,03	1,02	0,19	4,06	–	●	–	–	–	–	–	●	–	–	–	–
NGD3094LK	3	2,39	0,03	1,02	0,19	6,34	●	●	–	–	–	●	●	●	–	–	–	–
NGD3M250LK	3	2,50	0,03	1,02	0,19	6,35	–	●	–	–	–	–	–	●	–	–	–	–
NGD3M300LK	3	3,00	0,03	1,02	0,19	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NGD3125LK	3	3,18	0,03	1,02	0,19	6,35	●	●	–	–	–	●	●	●	–	–	–	–
NGD3M350LK	3	3,50	0,03	2,92	0,32	6,35	–	●	–	–	–	–	–	●	–	–	–	–
NGD3M400LK	3	4,00	0,03	2,92	0,32	6,35	●	●	–	–	–	–	–	●	–	–	–	–
NGD3189LK	3	4,80	0,03	2,92	0,57	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NGD4125LK	4	3,18	0,03	1,02	0,19	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NGD4M400LK	4	4,00	0,03	2,92	0,57	9,53	–	●	–	–	–	–	–	–	–	–	–	–
NGD4189LK	4	4,80	0,03	2,92	0,57	9,53	●	●	–	–	–	–	●	●	–	–	–	–
NGD4M500LK	4	5,00	0,03	2,92	0,57	12,70	–	●	–	–	–	–	–	–	–	–	–	–
NGD4250LK	4	6,35	0,03	3,80	0,57	12,70	●	●	–	–	–	–	●	–	–	–	–	–

NOTE: Inserts have one cutting edge. Right-hand insert shown; left-hand insert is mirror image.
The following inserts are double ended: NGD3062RK, NGD4125RK, NGD3062LK, and NGD4125LK.

- Full radius inserts with chip control.





NR-K

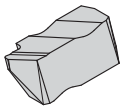
● first choice
○ alternate choice

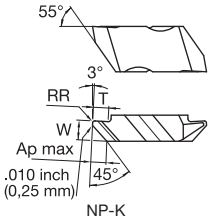
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

Groove and Turn • Full Radius • Chip Control

catalogue number	insert size	W	Ap max	RC	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																	
NR3031RK	3	1,57	1,97	0,79	2,39	●	●	–	–	–	–	●	●	–	–	–	–
NR3047RK	3	2,39	1,91	1,19	3,81	●	●	–	–	–	–	●	●	–	–	–	–
NR3062RK	3	3,18	2,92	1,59	3,81	●	●	–	–	–	–	●	●	–	–	–	–
NR3078RK	3	3,97	2,54	1,98	3,81	●	●	–	–	–	–	●	–	–	–	–	–
NR4062RK	4	3,18	2,92	1,59	3,81	●	●	–	–	–	–	●	–	–	–	–	–
NR4094RK	4	4,79	3,81	2,39	6,35	●	●	–	–	–	–	●	–	–	–	–	–
NR4125RK	4	6,35	3,81	3,18	6,35	●	●	–	–	–	–	●	●	–	–	–	–
left hand																	
NR3031LK	3	1,58	1,98	0,79	2,39	●	●	–	–	–	–	●	●	–	–	–	–
NR3047LK	3	2,39	1,91	1,19	3,81	●	●	–	–	–	–	●	●	–	–	–	–
NR3062LK	3	3,18	2,92	1,59	3,81	●	●	–	–	–	–	●	●	–	–	–	–
NR3078LK	3	3,96	2,54	1,98	3,81	–	●	–	–	–	–	●	●	–	–	–	–
NR4062LK	4	3,18	2,92	1,59	3,81	●	●	–	–	–	–	●	–	–	–	–	–
NR4094LK	4	4,79	3,81	2,39	6,35	●	●	–	–	–	–	●	●	–	–	–	–
NR4125LK	4	6,36	3,81	3,18	6,35	●	●	–	–	–	–	●	–	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.





NP-K

● first choice
○ alternate choice

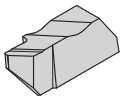
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

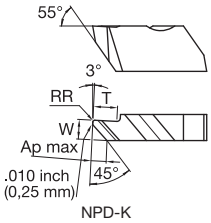
Groove and Profile • Chip Control

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NP2002RK	2	3,82	0,03	—	0,25	2,81	●	●	–	–	–	–	●	●	–	–	–	–
NP2012RK	2	3,82	0,03	—	0,25	2,81	–	●	–	–	–	–	–	–	–	–	–	–
NP3002RK	3	4,95	0,03	—	0,25	5,08	●	●	–	–	–	–	●	–	–	–	–	–
NP3012RK	3	4,95	0,03	—	0,25	5,08	–	●	–	–	–	–	–	●	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.
Tolerance on W ± 0,13mm (± .005").

- Profiling deep positive inserts.



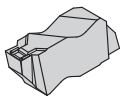


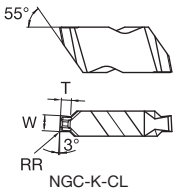
NPD-K

Groove and Profile • Deep Grooving • Chip Control

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NPD2002RK	2	3,68	0,13	—	0,09	5,08	–	●	–	–	–	–	●	–	–	–	–	–
NPD3002RK	3	4,83	0,13	—	0,09	6,35	–	●	–	–	–	–	–	–	–	–	–	–
NPD3012RK	3	4,95	0,03	—	0,25	6,35	●	●	–	–	–	–	●	–	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.
Tolerance on W ± 0,13mm (± .005").





NGC-K-CL

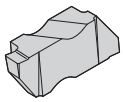
● first choice
○ alternate choice

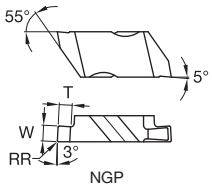
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

Groove and Chamfer • Chip Control

catalogue number	seat size	circlip size	W	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																	
NGC2C130R055K	2	1,30	1,39	0,08	0,6	–	●	–	–	–	–	–	–	–	–	–	–
NGC2C215R150K	2	2,15	2,24	0,08	1,5	–	●	–	–	–	–	–	–	–	–	–	–
left hand																	
NGC2C130L055K	2	1,30	1,39	0,08	0,6	–	●	–	–	–	–	–	–	–	–	–	–
NGC2C185L125K	2	1,85	1,94	0,08	1,3	–	●	–	–	–	–	–	–	–	–	–	–
NGC2C215L150K	2	2,15	2,24	0,08	1,5	–	●	–	–	–	–	–	–	–	–	–	–

NOTE: Groove and chamfer inserts for circlip grooves to DIN 471/472 specification.
Right-hand insert shown; left-hand insert is mirror image.





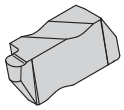
NGP

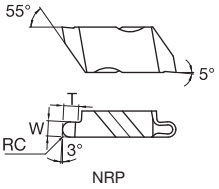
Groove and Turn • Positive

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NGP2031R	2	0,79	0,03	—	0,09	1,27	●	–	–	–	–	–	●	–	–	–	–	–
NGP2062R	2	1,58	0,03	—	0,19	2,79	●	–	–	–	–	–	●	–	–	–	–	–
NGP2125R	2	3,18	0,03	—	0,19	2,79	●	–	–	–	–	–	–	–	–	–	–	–
NGP3088R	3	2,24	0,03	—	0,19	2,39	●	–	–	–	–	–	–	–	–	–	–	●
NGP3125R	3	3,18	0,03	—	0,19	3,81	●	–	–	–	–	–	●	–	–	–	–	●
NGP3156R	3	3,96	0,03	—	0,19	3,81	●	–	–	–	–	–	–	–	–	–	–	–
NGP4189R	4	4,80	0,03	—	0,57	6,35	●	–	–	–	–	–	–	–	–	–	–	–
NGP4250R	4	6,35	0,03	—	0,57	6,35	–	–	–	–	–	–	●	–	–	–	–	–
left hand																		
NGP2031L	2	0,79	0,03	—	0,09	1,27	●	–	–	–	–	–	–	–	–	–	–	–
NGP2062L	2	1,57	0,03	—	0,19	2,79	●	–	–	–	–	–	–	–	–	–	–	–
NGP2125L	2	3,18	0,03	—	0,19	2,79	●	–	–	–	–	–	–	–	–	–	–	–
NGP3088L	3	2,24	0,03	—	0,19	2,39	●	–	–	–	–	–	–	–	–	–	–	–
NGP3125L	3	3,18	0,03	—	0,19	3,81	–	–	–	–	–	–	●	–	–	–	–	–
NGP4250L	4	6,35	0,03	—	0,57	6,35	●	–	–	–	–	–	–	–	–	–	–	–

NOTE: All KD and KB grades are single-ended tipped inserts.
Right-hand insert shown; left-hand insert is mirror image.

- Full radius positive rake inserts.





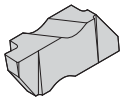
● first choice
○ alternate choice

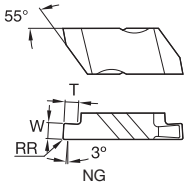
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

Groove and Turn • Full Radius • Positive

catalogue number	insert size	W	Ap max	RC	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																	
NRP3031R	3	1,58	—	0,79	2,39	●	–	–	–	–	–	●	–	–	–	–	–
NRP3047R	3	2,39	—	1,19	3,81	●	–	–	–	–	●	●	–	–	–	–	–
NRP3062R	3	3,18	—	1,59	3,81	●	–	–	–	–	–	●	–	–	–	–	–
NRP3094R	3	4,78	—	2,39	3,81	●	–	–	–	–	–	●	–	–	–	–	–
left hand																	
NRP3031L	3	1,58	—	0,79	2,39	●	–	–	–	–	–	●	–	–	–	–	–
NRP3047L	3	2,39	—	1,19	3,81	●	–	–	–	–	–	●	–	–	–	–	–
NRP3062L	3	3,18	—	1,59	3,81	–	–	–	–	–	–	●	–	–	–	–	–
NRP3094L	3	4,78	—	2,39	3,81	●	–	–	–	–	–	●	–	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.





● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

Groove and Turn • Flat Top

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NG2031R	2	0,79	0,03	—	0,09	1,27	●	●	–	–	●	●	●	●	–	–	–	–
NG2041R	2	1,04	0,03	—	0,09	1,27	●	●	–	–	●	●	●	●	–	–	–	–
NG2047R	2	1,19	0,03	—	0,09	1,27	●	●	–	–	●	–	●	–	–	–	–	–
NG2058R	2	1,47	0,03	—	0,19	1,27	–	●	–	–	–	–	–	●	–	–	–	–
NG2062R	2	1,58	0,03	—	0,19	2,79	●	●	–	–	●	●	●	●	–	–	–	–
NG2094R	2	2,39	0,03	—	0,19	2,79	●	●	–	–	●	●	●	–	–	–	–	–
NG2125R	2	3,18	0,03	—	0,19	2,79	●	●	–	–	–	–	●	–	–	–	–	–
NG3047R	3	1,19	0,03	—	0,19	1,91	●	●	–	–	●	●	●	●	–	–	–	–
NG3062R	3	1,58	0,03	—	0,19	2,39	●	●	–	–	●	●	●	●	–	–	–	–
NG3072R	3	1,83	0,03	—	0,19	2,39	●	–	–	–	●	–	●	–	–	–	–	–
NG3078R	3	1,98	0,03	—	0,19	2,39	●	–	–	–	●	–	●	–	–	–	–	–
NG3088R	3	2,24	0,03	—	0,19	2,39	●	●	–	–	●	–	●	–	–	–	–	–
NG3094R	3	2,39	0,03	—	0,19	3,81	●	●	–	–	●	●	●	●	–	–	–	–
NG3097R	3	2,46	0,03	—	0,32	3,81	●	●	–	–	●	–	●	–	–	–	–	–
NG3105R	3	2,67	0,03	—	0,19	3,81	●	●	–	–	●	–	●	●	–	–	–	–
NG3110R	3	2,79	0,03	—	0,32	3,81	–	●	–	–	–	–	–	●	–	–	–	–
NG3122R	3	3,10	0,03	—	0,19	3,81	–	●	–	–	–	–	–	–	–	–	–	–
NG3125R	3	3,18	0,03	—	0,19	3,81	●	●	–	–	●	●	●	●	–	–	–	–
NG3142R	3	3,61	0,03	—	0,32	3,81	–	●	–	–	–	–	●	–	–	–	–	–
NG3156R	3	3,96	0,03	—	0,19	3,81	●	●	–	–	●	–	●	●	–	–	–	–
NG3178R	3	4,52	0,03	—	0,19	3,81	–	–	–	–	–	–	–	●	–	–	–	–
NG3185R	3	4,70	0,03	—	0,57	3,81	–	●	–	–	–	–	–	–	–	–	–	–
NG3189R	3	4,80	0,03	—	0,57	3,81	●	●	–	–	●	●	●	●	–	–	–	–
NG4125R	4	3,18	0,03	—	0,19	3,81	●	●	–	–	●	●	–	–	–	–	–	–
NG4189R	4	4,80	0,03	—	0,57	6,35	●	●	–	–	●	●	●	–	–	–	–	–
NG4213R	4	5,41	0,03	—	0,19	6,35	–	●	–	–	–	–	–	–	–	–	–	–
NG4250R	4	6,35	0,03	—	0,57	6,35	●	●	–	–	●	–	●	●	–	–	–	–
NG5312R	5	7,93	0,03	—	0,83	9,52	–	●	–	–	–	–	–	–	–	–	–	–
NG6375R	6	9,53	0,03	—	0,83	6,35	–	●	–	–	–	–	–	–	–	–	–	–

(continued)

(Groove and Turn • Flat Top — continued)

● first choice
○ alternate choice

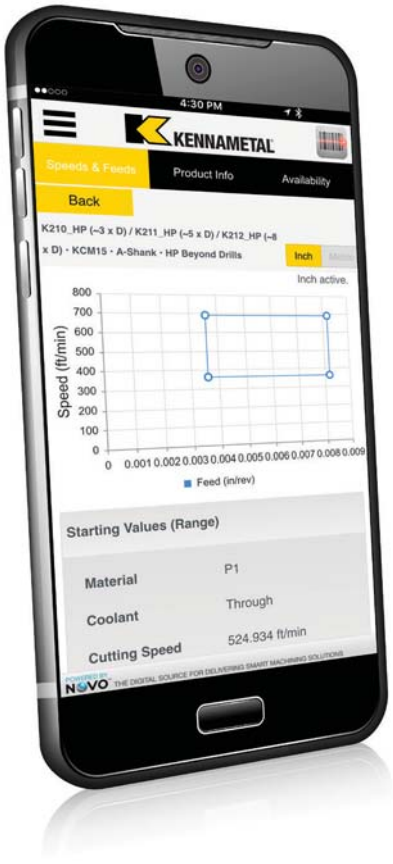
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

catalogue number	insert size	W	W tol ±	Ap max	RR	T											
left hand																	
NG1031L	1	0,79	0,08	—	0,19	1,27	–	●	–	–	–	–	–	–	–	–	–
NG1047L	1	1,19	0,08	—	0,19	1,91	–	●	–	–	–	–	●	–	–	–	–
NG1062L	1	1,58	0,08	—	0,19	1,91	–	●	–	–	–	–	●	–	–	–	–
NG1094L	1	2,39	0,08	—	0,19	1,91	–	●	–	–	–	–	●	–	–	–	–
NG2031L	2	0,79	0,03	—	0,09	1,27	●	●	–	–	●	●	●	–	–	–	–
NG2041L	2	1,04	0,03	—	0,09	1,27	–	●	–	–	●	–	●	●	–	–	–
NG2047L	2	1,19	0,03	—	0,09	1,27	●	●	–	–	–	–	●	–	–	–	–
NG2058L	2	1,47	0,03	—	0,19	1,27	–	●	–	–	–	–	–	–	–	–	–
NG2062L	2	1,58	0,03	—	0,19	2,79	●	●	–	–	●	●	●	●	–	–	–
NG2094L	2	2,39	0,03	—	0,19	2,79	●	●	–	–	●	●	●	–	–	–	–
NG2125L	2	3,18	0,03	—	0,19	2,79	●	●	–	–	●	–	●	–	–	–	–
NG3047L	3	1,19	0,03	—	0,19	1,91	●	●	–	–	●	●	●	–	–	–	–
NG3062L	3	1,57	0,03	—	0,19	2,38	●	●	–	–	●	●	●	●	–	–	–
NG3072L	3	1,83	0,03	—	0,19	2,39	●	–	–	–	–	–	●	–	–	–	–
NG3078L	3	1,98	0,03	—	0,19	2,39	●	–	–	–	–	–	–	–	–	–	–
NG3088L	3	2,24	0,03	—	0,19	2,39	●	●	–	–	–	–	●	–	–	–	–
NG3094L	3	2,39	0,03	—	0,19	3,81	●	●	–	–	●	●	●	●	–	–	–
NG3097L	3	2,46	0,03	—	0,32	3,81	●	●	–	–	–	–	–	–	–	–	–
NG3105L	3	2,67	0,03	—	0,19	3,81	●	●	–	–	–	–	●	–	–	–	–
NG3110L	3	2,79	0,03	—	0,32	3,81	–	●	–	–	–	–	●	–	–	–	–
NG3122L	3	3,10	0,03	—	0,19	3,81	–	●	–	–	–	–	–	–	–	–	–
NG3125L	3	3,18	0,03	—	0,19	3,81	●	●	–	–	●	●	●	●	–	–	–
NG3142L	3	3,61	0,03	—	0,32	3,81	●	●	–	–	–	–	–	–	–	–	–
NG3156L	3	3,96	0,03	—	0,19	3,81	–	●	–	–	–	–	●	–	–	–	–
NG3178L	3	4,52	—	—	0,19	3,81	–	●	–	–	–	–	–	–	–	–	–
NG3185L	3	4,70	0,03	—	0,57	3,81	–	–	–	–	–	–	●	–	–	–	–
NG3189L	3	4,80	0,03	—	0,57	3,81	●	●	–	–	●	–	●	●	–	–	–
NG4125L	4	3,18	0,03	—	0,19	3,81	●	●	–	–	–	●	–	–	–	–	–
NG4189L	4	4,80	0,03	—	0,57	6,35	●	●	–	–	●	–	●	–	–	–	–
NG4189LEST	4	4,80	0,03	—	0,57	6,35	–	–	–	–	–	–	–	–	●	–	–
NG4250L	4	6,35	0,03	—	0,57	6,35	●	●	–	–	●	–	●	●	–	–	–

NOTE: All KD and KB grades are single-ended tipped inserts.
Right-hand insert shown; left-hand insert is mirror image.

Mobile App

The Kennametal mobile app makes it easy to access product information, calculators, and much more from iPhone® and Android™ devices.



FEATURES

Scan a Kennametal tool package barcode or search a product catalogue number to access complete product information.

Product information includes tool image, dimensions, grades, and product highlights.

View product availability at global locations.

Get speed and feed information in inch and metric values for all metalcutting products.

View tech tips for helpful solutions to common machining questions.

Contact Customer Support directly from the app.

MACHINING CALCULATORS

View data for milling and drilling applications.

Inch and metric values calculated.

ORDERING

Login using your Konnect credentials to complete a purchase.

WHERE TO FIND IT

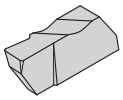
Download the free app today from iTunes® or the Google Play™ store.

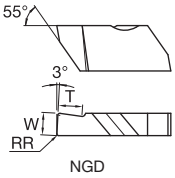
ANDROID APP ON Google play

Available on the App Store

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	





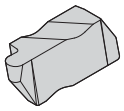
NGD

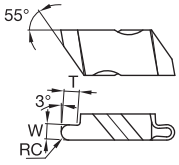
Groove and Turn • Deep Grooving • Flat Top

catalogue number	insert size	W	W tol ±	Ap max	RR	T
right hand						
NGD3189R	3	4,80	0,03	—	0,57	6,35
NGD4250R	4	6,35	0,03	—	0,57	12,70
left hand						
NGD3189L	3	4,80	0,03	—	0,57	6,35
NGD4250L	4	6,35	0,03	—	0,57	12,70

●	–	–	–	–	●	–	–	–	–	–	–	–	
●	–	–	–	–	●	–	–	–	–	–	–	–	
●	–	–	–	–	●	●	–	–	–	–	–	–	
●	–	–	–	–	●	●	–	–	–	–	–	–	

NOTE: Inserts have one cutting edge.
Right-hand insert shown; left-hand insert is mirror image.





NR

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

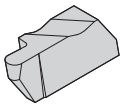
Groove and Turn • Full Radius • Flat Top

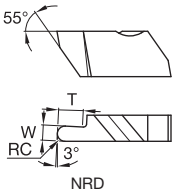
catalogue number	insert size	W	Ap max	RC	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																	
NR2M050R	2	1,00	—	0,50	1,27	●	●	–	–	–	–	●	●	–	–	–	–
NR2M075R	2	1,50	—	0,75	2,79	●	–	–	–	–	–	●	–	–	–	–	–
NR2031R	2	1,58	—	0,79	2,79	●	●	–	–	–	–	●	●	–	–	–	–
NR2M100R	2	2,00	—	1,00	2,79	●	–	–	–	–	–	●	●	–	–	–	–
NR2047R	2	2,39	—	1,19	2,79	–	●	–	–	–	–	–	–	–	–	–	–
NR2M125R	2	2,50	—	1,25	2,79	–	–	–	–	–	–	–	●	–	–	–	–
NR2M150R	2	3,00	—	1,50	2,79	–	–	–	–	–	–	–	●	–	–	–	–
NR2062R	2	3,18	—	1,59	2,79	●	●	–	–	–	–	●	–	–	–	–	–
NR2M175R	2	3,50	—	1,75	2,79	–	–	–	–	–	–	–	●	–	–	–	–
NR3031R	3	1,58	—	0,79	2,39	●	●	–	–	–	●	●	●	–	–	–	–
NR3M100R	3	2,00	—	1,00	2,39	–	–	–	–	–	–	–	●	–	–	–	–
NR3047R	3	2,39	—	1,19	3,81	●	●	–	–	–	●	●	–	–	–	–	–
NR3M150R	3	3,00	—	1,50	3,81	–	–	–	–	–	–	–	●	–	–	–	–
NR3062R	3	3,18	—	1,59	3,81	●	●	–	–	–	●	●	●	–	–	–	–
NR3078R	3	3,96	—	1,98	3,81	–	–	–	–	–	●	–	–	–	–	–	–
NR3M200R	3	4,00	—	2,00	3,81	–	–	–	–	–	–	–	●	–	–	–	–
NR3094R	3	4,78	—	2,39	3,81	●	●	–	–	–	–	●	●	–	–	–	–
NR4094R	4	4,78	—	2,39	6,35	–	–	–	–	–	●	–	–	–	–	–	–
NR4125R	4	6,35	—	3,18	6,35	●	●	–	–	–	–	●	–	–	–	–	–
left hand																	
NR2M050L	2	1,00	—	0,50	1,27	●	●	–	–	–	–	●	–	–	–	–	–
NR2031L	2	1,58	—	0,79	2,79	●	●	–	–	–	–	●	●	–	–	–	–
NR2M100L	2	2,00	—	1,00	2,79	–	–	–	–	–	–	–	●	–	–	–	–
NR2047L	2	2,39	—	1,19	2,79	–	●	–	–	–	–	–	–	–	–	–	–
NR2M150L	2	3,00	—	1,50	2,79	–	–	–	–	–	–	–	●	–	–	–	–
NR2062L	2	3,18	—	1,59	2,79	●	●	–	–	–	–	●	–	–	–	–	–
NR3031L	3	1,58	—	0,79	2,39	●	●	–	–	–	●	●	●	–	–	–	–
NR3M100L	3	2,00	—	1,00	2,39	–	–	–	–	–	–	–	●	–	–	–	–
NR3047L	3	2,39	—	1,19	3,81	●	●	–	–	–	●	●	–	–	–	–	–
NR3M150L	3	3,00	—	1,50	3,81	●	–	–	–	–	–	●	●	–	–	–	–
NR3062L	3	3,18	—	1,59	3,81	●	●	–	–	–	●	●	●	–	–	–	–
NR3M200L	3	4,00	—	2,00	3,81	–	–	–	–	–	–	–	●	–	–	–	–
NR3094L	3	4,78	—	2,39	3,81	–	●	–	–	–	●	●	●	–	–	–	–
NR4125L	4	6,35	—	3,18	6,35	–	●	–	–	–	–	●	–	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

● first choice
○ alternate choice





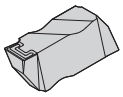
NRD

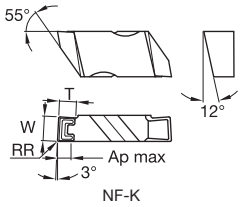
Groove and Turn • Deep Grooving • Full Radius • Flat Top

catalogue number	insert size	W	Ap max	RC	T
right hand					
NRD3031R	3	1,58	—	0,79	3,18
NRD3062R	3	3,17	—	1,59	6,35
NRD4062R	4	3,18	—	1,59	6,35
NRD4094R	4	4,78	—	2,39	12,70
NRD4125R	4	6,35	—	3,18	12,70
left hand					
NRD3031L	3	1,58	—	0,79	3,18
NRD3062L	3	3,17	—	1,59	6,35
NRD4062L	4	3,18	—	1,59	6,35
NRD4094L	4	4,78	—	2,39	12,70
NRD4125L	4	6,35	—	3,18	12,70

KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
●	●	–	–	–	–	●	●	–	–	–	–
●	●	–	–	–	–	●	●	–	–	–	–
●	●	–	–	–	–	●	–	–	–	–	–
●	–	–	–	–	–	●	–	–	–	–	–
–	●	–	–	–	–	●	–	–	–	–	–
●	●	–	–	–	–	●	●	–	–	–	–
●	●	–	–	–	–	●	●	–	–	–	–
●	●	–	–	–	–	●	●	–	–	–	–
●	●	–	–	–	–	●	–	–	–	–	–
●	●	–	–	–	–	●	●	–	–	–	–

NOTE: Inserts have one cutting edge.
Right-hand insert shown; left-hand insert is mirror image.





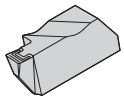
NF-K

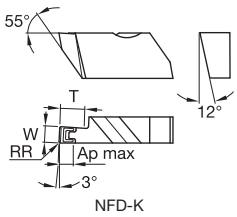
Face Grooving • Chip Control

catalogue number	insert size	W	W tol ±	Ap max	RR	T
right hand						
NF3M200RK	3	2,00	0,03	1,02	0,19	1,78
NF3M300RK	3	3,00	0,03	1,02	0,19	3,81
NF3125RK	3	3,18	0,03	1,02	0,19	3,81
NF3156RK	3	3,96	0,03	2,92	0,19	3,81
left hand						
NF3M200LK	3	2,00	0,03	1,02	0,19	1,78
NF3M300LK	3	3,00	0,03	1,02	0,19	3,81
NF3125LK	3	3,18	0,03	1,02	0,19	3,81
NF3156LK	3	3,96	0,03	2,92	0,19	3,81

KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
–	–	–	–	–	–	–	●	–	–	–	–
–	–	–	–	–	–	–	●	–	–	–	–
–	●	–	–	–	–	–	●	–	–	–	–
–	●	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	●	–	–	–	–
–	–	–	–	–	–	–	●	–	–	–	–
–	●	–	–	–	–	–	●	–	–	–	–
–	●	–	–	–	–	–	–	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.





NFD-K

● first choice
○ alternate choice

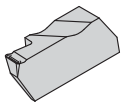
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

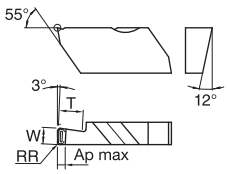
Face Grooving • Deep Grooving • Chip Control

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NFD3M300RK	3	3,00	0,03	1,02	0,19	6,35	–	–	–	–	–	–	–	●	–	–	–	–
NFD3125RK	3	3,18	0,03	1,02	0,19	6,35	–	●	–	–	–	–	–	●	–	–	–	–
NFD4189RK	4	4,80	0,03	2,92	0,57	9,53	–	●	–	–	–	–	–	–	–	–	–	–
NFD4250RK	4	6,35	0,03	3,81	0,57	12,70	–	●	–	–	–	–	–	–	–	–	–	–
left hand																		
NFD3M300LK	3	3,00	0,03	1,02	0,19	6,35	–	–	–	–	–	–	–	●	–	–	–	–
NFD3125LK	3	3,18	0,03	1,02	0,19	6,35	–	●	–	–	–	–	–	●	–	–	–	–
NFD4189LK	4	4,80	0,03	2,92	0,57	9,53	–	●	–	–	–	–	–	●	–	–	–	–
NFD4250LK	4	6,35	0,03	3,81	0,57	12,70	–	●	–	–	–	–	–	–	–	–	–	–

NOTE: Inserts have one cutting edge.
Right-hand insert shown; left-hand insert is mirror image.

- Face grooving deep grooving inserts.



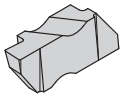


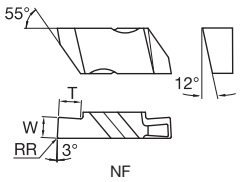
NFD-KI

Face Grooving • Internal Deep Grooving • Chip Control

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NFD3125RKI	3	3,18	0,03	1,02	0,19	6,35	–	●	–	–	–	–	–	●	–	–	–	–
NFD3189RKI	3	4,80	0,03	2,92	0,57	6,35	–	●	–	–	–	–	–	–	–	–	–	–
left hand																		
NFD3125LKI	3	3,18	0,03	1,02	0,19	6,35	–	●	–	–	–	–	–	–	–	–	–	–
NFD3189LKI	3	4,80	0,03	2,92	0,57	6,35	–	●	–	–	–	–	–	–	–	–	–	–

NOTE: Inserts have one cutting edge.
NFD-KI inserts are compatible with NS-style boring bars only.
Right-hand insert shown; left-hand insert is mirror image.





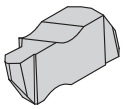
● first choice
○ alternate choice

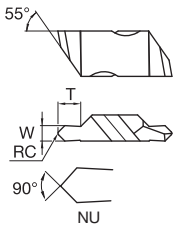
		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

Face Grooving • Flat Top

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NF3125R	3	3,18	0,03	—	0,19	3,81	–	–	–	–	–	●	–	–	–	–	–	–
NF3188R	3	4,78	0,03	—	0,57	3,81	–	●	–	–	–	–	–	–	–	–	–	–
left hand																		
NF3125L	3	3,18	0,03	—	0,19	3,81	–	–	–	–	–	●	–	–	–	–	–	–
NF3188L	3	4,78	0,03	—	0,57	3,81	–	●	–	–	–	–	–	–	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.





Groove and Turn • Flat Top • 90°

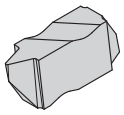
catalogue number	insert size	W	Ap max	RC	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																	
NU3094R	3	2,39	—	0,51	3,18	–	–	–	–	–	–	–	●	–	–	–	–
NU3125R	3	3,18	—	1,19	4,78	–	●	–	–	–	–	–	–	–	–	–	–
left hand																	
NU3094L	3	2,39	—	0,51	3,18	–	●	–	–	–	–	–	●	–	–	–	–
NU3125L	3	3,18	—	1,19	4,78	–	–	–	–	–	–	–	●	–	–	–	–
NU3156L	3	3,96	—	1,19	4,78	–	–	–	–	–	–	–	●	–	–	–	–

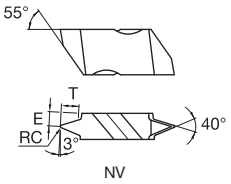
NOTE: Tolerance on W ± 0,13mm (± .005").
Right-hand insert shown; left-hand insert is mirror image.
NU inserts compatible with NR-style inserts.

- Poly-Vee grooving inserts.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	



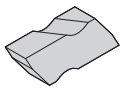


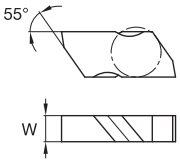
NV

Groove and Turn • Flat Top • Poly-Vee

catalogue number	insert size	E	RC	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																
NV3RJ	3	3,18	0,32	2,21	–	●	–	–	–	–	–	–	–	–	–	–
NV4RL	4	3,00	0,32	5,11	–	●	–	–	–	–	–	–	–	–	–	–
left hand																
NV4LL	4	3,00	0,32	5,11	–	●	–	–	–	–	–	–	–	–	–	–

NOTE: Right-hand insert shown; left-hand insert is mirror image.





NB

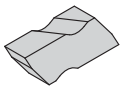
Groove and Turn • Blank

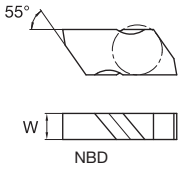
catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NB2R	2	3,84	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
NB3R	3	4,95	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
NB4R	4	6,48	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
left hand																		
NB2L	2	3,84	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
NB3L	3	4,95	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
NB4L	4	6,48	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

NOTE: NB and NBD blanks are designed to allow modification of the W-dimension and end form. W-dimension is provided to indicate maximum possible width.
Available only in uncoated grades.
Right-hand insert shown; left-hand insert is mirror image.

● first choice
○ alternate choice

		KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
P		●	●	●	●	○		○	○	●			
M		●	●				○	●	○				
K		○	○	○	○	●	○	○	○	○	○		
N		●	○				○	●	○				●
S		●	●				●	○	○		○		
H		○						○			●	●	

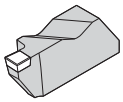


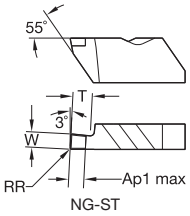


Groove and Turn • Deep Grooving • Blank

catalogue number	insert size	W	W tol ±	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																		
NBD2R	2	3,81	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
NBD3R	3	4,95	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
left hand																		
NBD3L	3	4,95	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–

NOTE: NB and NBD blanks are designed to allow modification of the W-dimension and end form. W-dimension is provided to indicate maximum possible width.
Available only in uncoated grades.
Right-hand insert shown; left-hand insert is mirror image.





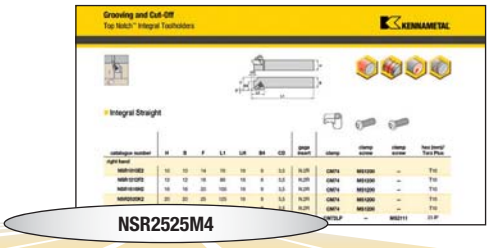
Groove and Turn • Flat Top • PcBN

catalogue number	insert size	W	Ap max	RR	T	KCU10	KCU25	KCP10B	KCP25B	KCK20B	K313	KC5010	KC5025	KT315	KB1630	KB5625	KD1425
right hand																	
NG3062REST	3	1,58	–	0,19	2,39	–	–	–	–	–	–	–	–	–	●	–	●
NG3M200RS02020ST	3	2,00	2,00	0,20	2,39	–	–	–	–	–	–	–	–	–	●	●	–
NG3094REST	3	2,39	–	0,19	3,81	–	–	–	–	–	–	–	–	–	●	–	●
NG3M300RS02020ST	3	3,00	3,00	0,20	3,81	–	–	–	–	–	–	–	–	–	●	●	–
NG3125REST	3	3,18	–	0,19	3,81	–	–	–	–	–	–	–	–	–	●	–	●
NG3125RS0820ST	3	3,18	3,00	0,25	3,81	–	–	–	–	–	–	–	–	–	●	●	–
NG3M400RS02020ST	3	4,00	3,00	0,20	3,81	–	–	–	–	–	–	–	–	–	–	●	–
NG3189REST	3	4,80	–	0,57	3,81	–	–	–	–	–	–	–	–	–	–	–	●
NG4189REST	4	4,80	–	0,57	6,35	–	–	–	–	–	–	–	–	–	●	–	–
left hand																	
NG3062LEST	3	1,58	–	0,19	2,39	–	–	–	–	–	–	–	–	–	●	–	●
NG3M200LS02020ST	3	2,00	2,00	0,20	2,39	–	–	–	–	–	–	–	–	–	–	●	–
NG3094LEST	3	2,39	–	0,19	3,81	–	–	–	–	–	–	–	–	–	●	–	●
NG3125LEST	3	3,18	–	0,19	3,81	–	–	–	–	–	–	–	–	–	●	–	–
NG3125LS0820ST	3	3,18	3,00	0,25	3,81	–	–	–	–	–	–	–	–	–	●	–	–
NG4189LEST	4	4,80	–	0,57	6,35	–	–	–	–	–	–	–	–	–	●	–	–

NOTE: All KB grades are single-ended tipped inserts.
Right-hand insert shown; left-hand insert is mirror image.

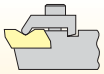
How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.

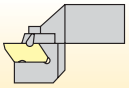


NSR2525M4

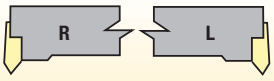
N	S	R		2525	M	4	
Insert Holding Method	Insert Mounting Location	Hand of Tool	Drop Head	Shank Size	Tool Length	Insert Size	Qualified Surface and Length



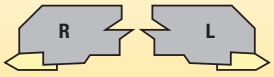
N = Top Notch*



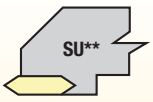
DH = Drop Head



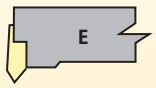
End mount



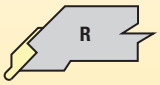
Side mount



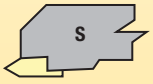
SU = Side mount utility



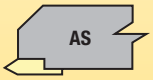
E = End



R = Undercut



S = Side mount, offset

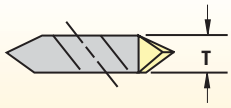


AS = Side mount, no offset

Metric:
Shank height and width in millimetre and holder length according to ISO standard.

L1	ISO
32	A
40	B
50	C
60	D
70	E
80	F
90	G
100	H
110	J
125	K
140	L
150	M
160	N
170	P
180	Q
200	R
250	S
300	T
350	U
400	V
450	W
500	Y
Special Length	X

Q = Qualified metric holder

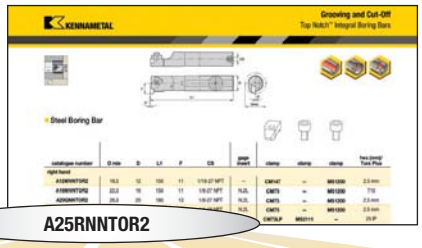


insert size	T mm
2	3,81
3	4,95
4	6,98
5	9,65
6	9,73
8	11,13

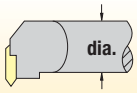
* Kennametal proprietary standard only.
** Side mount utility holder can only use NTU inserts.

How Do Catalogue Numbers Work?

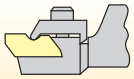
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



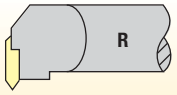
A	25	R	N	N	T	0	R	2
Bar Type	Bar Diameter	Bar Length	Insert Holding Method	Insert Shape	Insert Location	Rake Angle	Hand of Bar	Insert Size



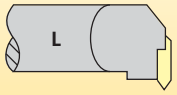
Bar diameter in millimetres



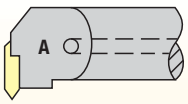
N* = Top Notch



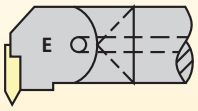
R = Right hand



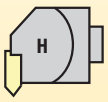
L = Left hand



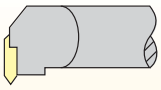
A = Steel with coolant



E = Carbide with coolant

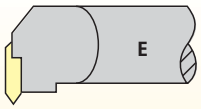


H = Interchangeable head

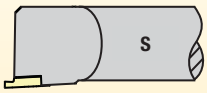


metric bars:

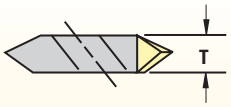
K	=	125mm
M	=	150mm
Q	=	180mm
R	=	200mm
S	=	250mm
T	=	300mm
U	=	350mm



E = End mount

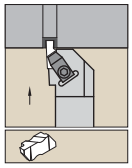


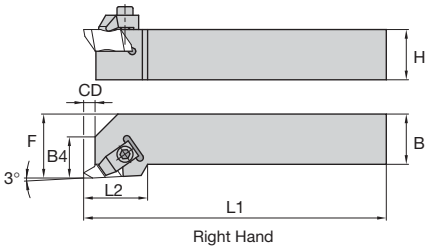
S = Straight mount



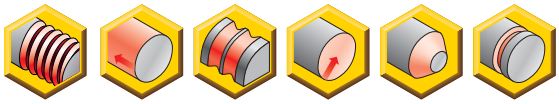
insert size	T mm
1	3,54
2	3,81
3	5,35
4	6,40
5	9,65
6	9,73
8	11,13

*Kennametal standard only.





Right Hand

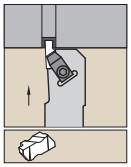


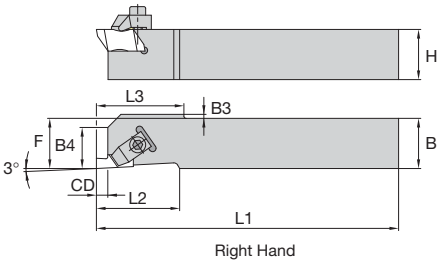
Integral Straight



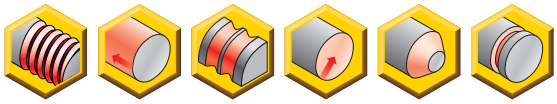
order number	catalogue number	H	B	F	L1	LH	B4	CD	gage insert	clamp	clamp screw	clamp screw	hex (mm)/ Torx Plus
right hand													
1098790	**NSR1010E2**	10	10	14	70	19	9	3,5	N.2R	**CM74**	**MS1200**	**–**	T10
1098791	**NSR1212F2**	12	12	16	80	19	9	3,5	N.2R	**CM74**	**MS1200**	**–**	T10
1098792	**NSR1616H2**	16	16	20	100	19	9	3,5	N.2R	**CM74**	**MS1200**	**–**	T10
1098793	**NSR2020K2**	20	20	25	125	19	9	3,5	N.2R	**CM74**	**MS1200**	**–**	T10
1098794	**NSR2525M2**	25	25	32	150	19	9	3,5	N.2R	**CM74**	**MS1200**	**–**	T10
1098795	**NSR2020K3**	20	20	25	125	32	13	5,3	N.3R	**CM72LP**	**–**	**MS2111**	25 IP
1098796	**NSR2525M3**	25	25	32	150	32	13	5,3	N.3R	**CM72LP**	**–**	**MS2111**	25 IP
1098797	**NSR3225P3**	32	25	32	170	32	13	5,3	N.3R	**CM72LP**	**–**	**MS2111**	25 IP
1098798	**NSR3232P3**	32	32	40	170	32	13	5,3	N.3R	**CM72LP**	**–**	**MS2111**	25 IP
1098799	**NSR2525M4**	25	25	32	150	35	14	7,5	N.4R	**CM72LP**	**–**	**MS2111**	25 IP
1098800	**NSR3225P4**	32	25	32	170	35	14	7,5	N.4R	**CM72LP**	**–**	**MS2111**	25 IP
1098801	**NSR3232P4**	32	32	40	170	35	14	7,5	N.4R	**CM72LP**	**–**	**MS2111**	25 IP
left hand													
1098861	**NSL1010E2**	10	10	14	70	19	9	3,5	N.2L	**CM75**	**MS1200**	**–**	T10
1098862	**NSL1212F2**	12	12	16	80	19	9	3,5	N.2L	**CM75**	**MS1200**	**–**	T10
1098863	**NSL1616H2**	16	16	20	100	19	9	3,5	N.2L	**CM75**	**MS1200**	**–**	T10
1098864	**NSL2020K2**	20	20	25	125	19	9	3,5	N.2L	**CM75**	**MS1200**	**–**	T10
1098865	**NSL2525M2**	25	25	32	150	19	9	3,5	N.2L	**CM75**	**MS1200**	**–**	T10
1098866	**NSL2020K3**	20	20	25	125	32	13	5,3	N.3L	**CM73LP**	**–**	**MS2111**	25 IP
1098867	**NSL2525M3**	25	25	32	150	32	13	5,3	N.3L	**CM73LP**	**–**	**MS2111**	25 IP
1098868	**NSL3225P3**	32	25	32	170	32	13	5,3	N.3L	**CM73LP**	**–**	**MS2111**	25 IP
1098869	**NSL3232P3**	32	32	40	170	32	13	5,3	N.3L	**CM73LP**	**–**	**MS2111**	25 IP
1098870	**NSL2525M4**	25	25	32	150	35	14	7,5	N.4L	**CM73LP**	**–**	**MS2111**	25 IP
1098871	**NSL3225P4**	32	25	32	170	35	14	7,5	N.4L	**CM73LP**	**–**	**MS2111**	25 IP
1098872	**NSL3232P4**	32	32	40	170	35	14	7,5	N.4L	**CM73LP**	**–**	**MS2111**	25 IP

NOTE: F dimension measured over sharp point of N-style threading insert.

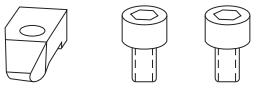




Right Hand



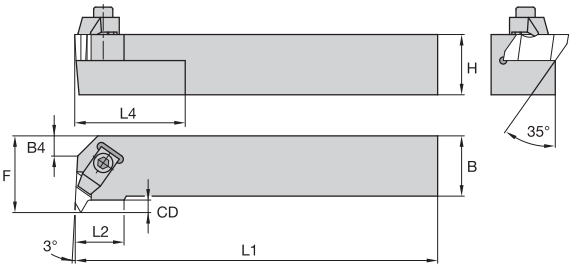
Integral Straight • No Offset



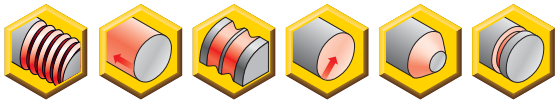
order number	catalogue number	H	B	F	L1	LH	B4	CD	B3	L3	gage insert	clamp	clamp screw	clamp screw	hex (mm)/ Torx Plus
right hand															
1098788	**NASR1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	N.2R	**CM182**	**MS1200**	**–**	T10
1098789	**NASR1212M2Q**	12	12	12	150	19	9	3,5	–	–	N.2R	**CM182**	**MS1200**	**–**	T10
1098786	**NASR1616K3Q**	16	16	16	125	32	13	5,3	–	–	N.3R	**CM184LP**	**–**	**MS2111**	25 IP
left hand															
1098859	**NASL1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	N.2L	**CM183**	**MS1200**	**–**	T10
1098860	**NASL1212M2Q**	12	12	12	150	19	9	6,9	–	–	N.2L	**CM183**	**MS1200**	**–**	T10
1098857	**NASL1616K3Q**	16	16	16	125	32	13	5,3	–	–	N.3L	**CM185LP**	**–**	**MS2111**	25 IP

NOTE: F dimension measured over sharp point of N-style threading insert.

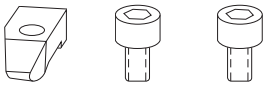




Right Hand

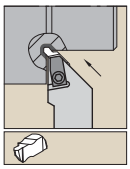


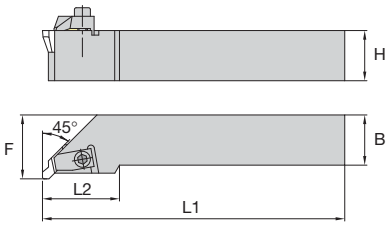
Integral End Mount



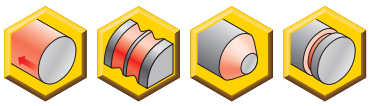
order number	catalogue number	H	B	F	L1	LH	CD	gage insert	clamp	clamp screw	clamp screw	Torx/ Torx Plus
right hand												
1098803	**NER1616H2**	16	16	20	100	15	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098804	**NER2020K2**	20	20	25	125	15	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098805	**NER2525M2**	25	25	32	150	15	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098806	**NER2525M3**	25	25	32	150	22	5,3	N.3L	**CM73LP**	–	**MS2111**	25 IP
1098807	**NER3225P3**	32	25	32	170	22	3,8	N.3L	**CM73LP**	–	**MS2111**	25 IP
1098808	**NER2525M4**	25	25	35	150	24	6,4	N.4L	**CM73LP**	–	**MS2111**	25 IP
1098809	**NER3225P4**	32	25	35	170	24	6,4	N.4L	**CM73LP**	–	**MS2111**	25 IP
1098810	**NER3232P4**	32	32	40	170	24	6,4	N.4L	**CM73LP**	–	**MS2111**	25 IP
left hand												
1098874	**NEL1616H2**	16	16	20	100	15	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098875	**NEL2020K2**	20	20	25	125	15	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098876	**NEL2525M2**	25	25	32	150	15	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098877	**NEL2525M3**	25	25	32	150	22	5,3	N.3R	**CM72LP**	–	**MS2111**	25 IP
1098878	**NEL3225P3**	32	25	32	170	22	3,8	N.3R	**CM72LP**	–	**MS2111**	25 IP
1098879	**NEL2525M4**	25	25	35	150	24	6,4	N.4R	**CM72LP**	–	**MS2111**	25 IP
1098880	**NEL3225P4**	32	25	35	170	24	6,4	N.4R	**CM72LP**	–	**MS2111**	25 IP
1098881	**NEL3232P4**	32	32	40	170	24	6,4	N.4R	**CM72LP**	–	**MS2111**	25 IP

NOTE: F dimension measured over sharp point of N-style threading insert.

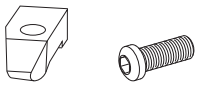




Right Hand

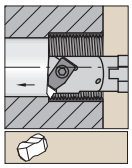


Integral 45° Undercut • Metric

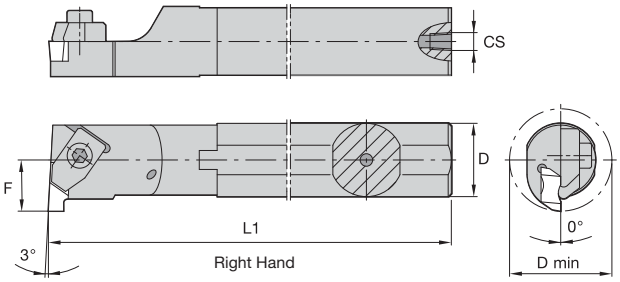


order number	catalogue number	H	B	F	L1	LH	gage insert	clamp	clamp screw	hex (mm)/ Torx Plus
right hand										
1098812	**NRR2020K3**	20	20	25	125	32	NU3125L	**CM73LP**	**MS2111**	25 IP
1098813	**NRR2525M3**	25	25	32	150	32	NU3125L	**CM73LP**	**MS2111**	25 IP
1098814	**NRR3225P3**	32	25	32	170	32	NU3125L	**CM73LP**	**MS2111**	25 IP
left hand										
1098883	**NRL2020K3**	20	20	25	125	32	NU3125R	**CM72LP**	**MS2111**	25 IP
1098884	**NRL2525M3**	25	25	32	150	32	NU3125R	**CM72LP**	**MS2111**	25 IP
1098885	**NRL3225P3**	32	25	32	170	32	NU3125R	**CM72LP**	**MS2111**	25 IP

NOTE: NR-style toolholders are compatible with “NU” style inserts only.



Steel shank with through coolant.



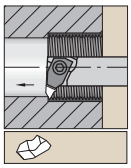


Steel Boring Bar • Metric

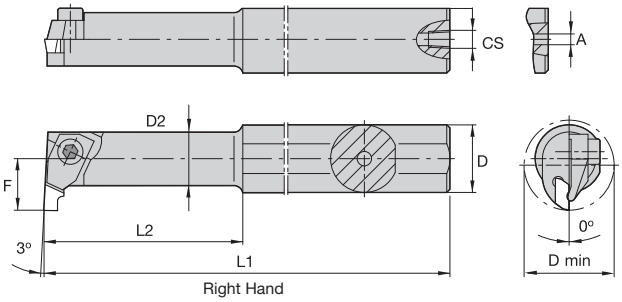


order number	catalogue number	D min	D	L1	F	CS	gage insert	clamp	clamp screw	clamp screw	hex (mm)/ Torx Plus
right hand											
1098945	**A12MNNTOR2**	18,5	12	150	11	1/16-27 NPT	–	**CM147**	–	**MS1200**	2.5 mm
1098947	**A16MNNTOR2**	22,0	16	150	11	1/8-27 NPT	N.2L	**CM75**	–	**MS1200**	T10
1098949	**A20QNNTOR2**	26,0	20	180	13	1/8-27 NPT	N.2L	**CM75**	–	**MS1200**	2.5 mm
1098951	**A25RNNTOR2**	34,0	25	200	17	1/4-18 NPT	N.2L	**CM75**	–	**MS1200**	2.5 mm
1098953	**A25RNNTOR3**	34,0	25	200	17	1/8 - 27 NPT	N.3L	**CM73LP**	**MS2111**	–	25 IP
1098955	**A32SNNTOR3**	44,0	32	250	22	1/4-18 NPT	N.3L	**CM73LP**	**MS2111**	–	25 IP
1098957	**A40TNNTOR3**	54,0	40	300	27	1/4-18 NPT	N.3L	**CM73LP**	**MS2111**	–	25 IP
1099001	**A40TNNTOR4**	54,0	40	300	27	1/4-18 NPT	N.4L	**CM73LP**	**MS2111**	–	25 IP
1099003	**A50UNNTOR4**	70,0	50	350	35	1/4-18 NPT	N.4L	**CM73LP**	**MS2111**	–	25 IP
left hand											
1098946	**A12MNNTOL2**	18,5	12	150	11	1/16-27 NPT	NG2R	**CM146**	–	**MS1200**	2.5 mm
1098948	**A16MNNTOL2**	22,0	16	150	11	1/8-27 NPT	N.2R	**CM74**	–	**MS1200**	T10
1098950	**A20QNNTOL2**	26,0	20	180	13	1/8-27 NPT	NG2R	**CM74**	–	**MS1200**	2.5 mm
1098952	**A25RNNTOL2**	34,0	25	200	17	1/4-18 NPT	N.2R	**CM74**	–	**MS1200**	2.5 mm
1098954	**A25RNNTOL3**	34,0	25	200	17	1/4-18 NPT	N.3R	**CM72LP**	**MS2111**	–	25 IP
1098956	**A32SNNTOL3**	44,0	32	250	22	1/4-18 NPT	N.3R	**CM72LP**	**MS2111**	–	25 IP
1098958	**A40TNNTOL3**	54,0	40	300	27	1/4-18 NPT	N.3R	**CM72LP**	**MS2111**	–	25 IP
1099002	**A40TNNTOL4**	54,0	40	300	27	1/4-18 NPT	N.4R	**CM72LP**	**MS2111**	–	25 IP

NOTE: Minimum bore capability varies with depth of groove. See page C172 for details.

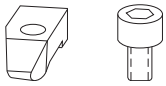


Necked steel shank with through coolant.



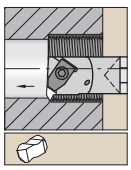


Steel Boring Bar • Small ID • Metric

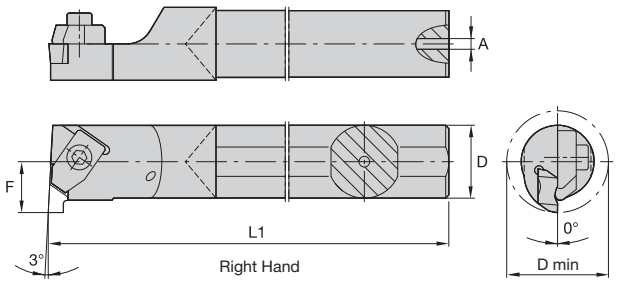


order number	catalogue number	D min	D	D2	L1	L2	F	A	CS	gage insert	clamp	clamp screw	hex (mm)
right hand													
1098944	**A12MNNTOR1**	11,5	12	10,0	150	31,30	7	4,0	1/16-27 NPT	N.1L	**CM109**	**MS1034**	1.5 mm
1098943	**A10KNNTOR1**	11,5	10	10,0	125	—	7	3,2	—	NG1L	**CM109**	**MS1034**	1.5 mm

NOTE: Minimum bore capability varies with depth of groove. See page C172 for details.

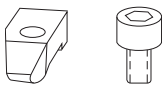


Carbide shank with through coolant.



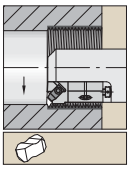


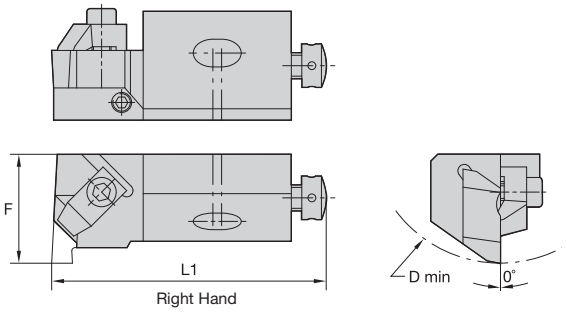
Carbide Boring Bar



order number	catalogue number	D min	D	L1	F	A	gage insert	clamp	clamp screw	Torx/ Torx Plus
right hand										
1152834	**E16RNNTOR2**	22,0	16	200	11	5,537	N.2L	**CM75**	**MS1200**	T10
1152836	**E20SNNTOR2**	26,0	20	250	13	7,137	N.2L	**CM75**	**MS1200**	T10
left hand										
1152835	**E16RNNTOL2**	22,0	16	200	11	5,537	N.2R	**CM74**	**MS1200**	T10

NOTE: Minimum bore capability varies with depth of groove. See page C172 for details.







Steel Boring Cartridge



order number	catalogue number	D min	F	L1	gage insert	clamp	clamp screw	hex (mm)	radial adjusting screw	hex (mm)	axial screw	hex (mm)	washer
right hand													
1098380	**NER12CA2**	50	20	55,7	N.2L	**CM75**	**MS1025**	2.5 mm	**KUAM23**	2.5 mm	**KUAM31**	2.5 mm	**CSWM 060 050**
left hand													
1098624	**NEL12CA2**	50	20	55,0	N.2R	**CM74**	**MS1025**	2.5 mm	**KUAM23**	2.5 mm	**KUAM31**	2.5 mm	**CSWM 060 050**
1098626	**NEL25CA3**	100	32	100,0	N.3R	**CM72LP**	**MS412**	4 mm	**KUAM26**	4 mm	**KUAM33**	4 mm	**CSWM 100 080**

NOTE: Minimum bore diameter (D min) capability varies with thread type and pitch. See page C172 for details.
F dimension measured over sharp point of Top Notch-style threading insert.

Machining Guidelines for Chip Control • Grooving

When the proper cutter diameter is not available,

proper cutter positioning will provide positive results.

- Centre height of insert should be positioned at the centre of the workpiece or up to 0,13mm (.005") above.
- Dwell time in the bottom of the groove (more than three revolutions) is not recommended.
- Chip control is feed rate related and should be adjusted to fit the particular situation. Recommended feed range is 0,08–0,3 mm/rev (.003–.012 IPR).

Machining Guidelines for Chip Control • Turning/Profiling

Maximum depth of cut for side cutting (turning/profiling)
depends on the material being cut and the width of the tool.

- 0,79–1,6mm (.031–.062") wide insert can cut up to 0,6mm (.025" deep).
- 1,7–3,3mm (.067–.128") wide insert can cut up to 1mm (.040" deep).
- 3,5–4,8mm (.138–.189") wide insert can cut up to 2mm (.080" deep).
- 5–6,35mm (.197–.250") wide insert can cut up to 3mm (.120" deep).

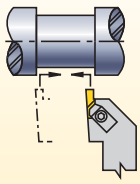
Groove Limits (Maximum Internal Groove Depth vs. Minimum Bore Diameter)

insert catalogue number	maximum internal groove depth mm	minimum bore diameter mm
NG-1094L	1,91	20,32
—	1,02	11,18
NG-2031R/L	1,27	18,54
NG-2041R/L	—	—
NG-2047R/L	—	—
NG-2058R/L	—	—
—	2,79	63,50
NG-2062R/L	2,59	44,45
NG-2094R/L	2,49	38,10
NG-2125R/L	2,03	25,40
—	1,40	18,54
NG-3047R/L	—	—
NG-3062R/L	2,39	44,45
NG-3072R/L	2,29	41,28
NG-3078R/L	1,91	34,93
NG-3088R/L	—	—
NG-3094R/L	—	—
NG-3097R/L	3,81	60,33
NG-3105R/L	—	—
NG-3110R/L	3,68	53,98
NG-3122R/L	—	—
NG-3125R/L	3,51	47,63
NG-3142R/L	—	—
NG-3156R/L	3,18	41,28
NG-3178R/L	—	—
NG-3185R/L	2,79	34,93
NG-3189R/L	—	—
NG-4125R/L	3,81	69,85
—	6,35	146,05
NG-4189R/L	6,22	127,00
NG-4213R/L	6,10	114,30
NG-4219R/L	5,54	82,55
NG-4250R/L	5,08	63,50

NOTE: The same maximum groove depth and minimum bore diameter values also apply to metric, NG-K (chip control), and NR (full radius) inserts of similar size.

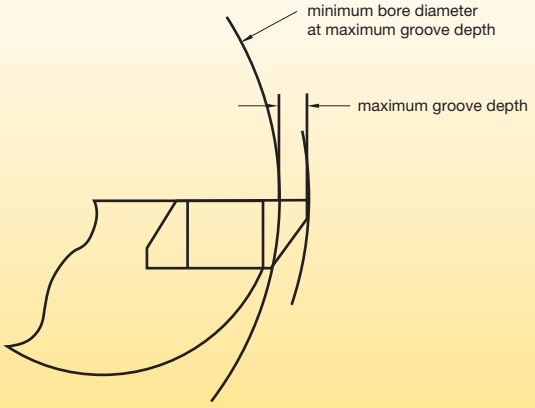
Finish Turning the Groove

1. Plunge both sides of groove width.
2. Plunge centre area to remove web of material remaining.
3. To avoid insert chipping and to achieve groove wall perpendicularity, follow the tool path outlined.
4. Use the lightest depth of cut that still allows good chipbreaking, tool life, and surface finish.



insert catalogue number	maximum internal groove depth mm	minimum bore diameter mm
—	9,53	731,82
NG-5250R/L	9,17	401,62
NG-5281R/L	8,74	274,62
NG-5312R/L	8,31	185,72
NG-5344R/L	7,47	122,22
NG-5375R/L	6,53	90,47
—	5,46	71,42
NG-6250R/L	6,35	146,05
NG-6281R/L	6,22	127,00
NG-6312R/L	6,10	114,30
NG-6344R/L	5,54	82,55
NG-6375R/L	5,08	63,50

Internal Groove Depth versus Bar Interference



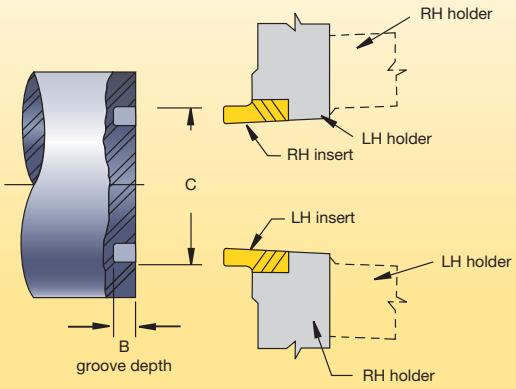
NOTE: Internal grooving depth limits are a function of bar clearance versus bore diameters.

Machining Guidelines for Face Grooving Operations • External

Standard NF/NDF Inserts

insert family	maximum groove depth "B" mm	minimum groove diameter "C" mm
NF-3	1,52	23,90
NF-3	2,39	30,50
NF-3	3,18	36,10
NF-3	3,81	41,30
NFD-3	6,35	47,60
NF-4/6	1,52	23,90
NF-4/6	2,39	30,50
NF-4/6	3,18	36,10
NF-4/6	3,81	41,30
NF-4/6	4,78	47,60
NF-4/6	6,35	57,20
NFD-4	9,53	57,20
NFD-4	12,70	57,20

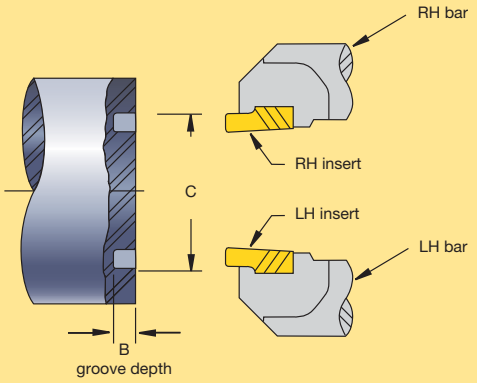
Toolholders



Standard NG/NGD Inserts

insert family	maximum groove depth "B" mm	minimum groove diameter "C" mm
NG-2	1,27	54,0
NG-2	2,79	88,9
NG-3	2,39	101,6
NG-3	3,18	127,0
NG-3	3,81	139,7
NGD-3	6,35	174,6
NG-4	3,81	152,4
NG-4	6,35	209,6
NGD-4	9,53	222,3
NGD-4	12,70	222,3
NG-5	9,53	333,0

Boring Bars

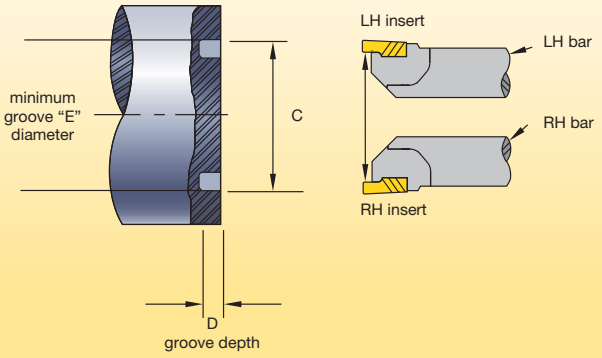


Machining Guidelines for Face Grooving Operations • Internal

insert family	maximum groove depth "D" mm	minimum groove diameter "E" mm
NFD-3-KI	6,35	57,2

NOTE: For internal applications, use only NFD-KI inserts.

Boring Bars

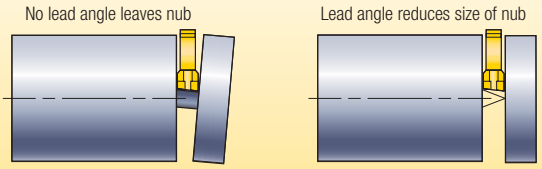


Tool Application Guidelines

- Always use good general machining practices.
- Make the machine and workpiece setup as rigid as possible.
- Integral shank toolholders offer the best rigidity. They should be your first toolholder choice, when possible.
- Use the toolholder with the shortest possible depth of cut for the application ("CD" dimension).
- When changing inserts, make sure the new insert locates securely against the toolholder's positive stop.
- Never tighten the clamping screw without an insert in the pocket.
- Toolholder projection out of the tool block should be as short as possible.
- Inserts should cut as close to centre as possible.
- Dwell time in bottom of groove should be less than three revolutions.
- Recommended cutting speed and feeds are a starting point. Adjust, as necessary, for optimum tool life and chip control.

Definitions and Guidelines

1. Width of cut (W) = width of the insert.
2. Lead angle = 0° (neutral); 6° (RH or LH).

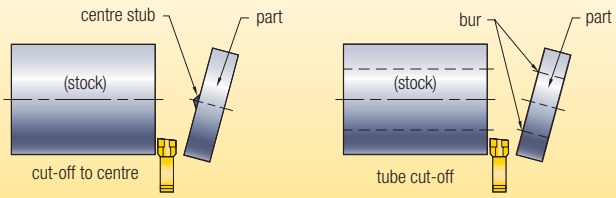


Reduce bur of cut-off faces:

- Use lead angle-type inserts (Figures 1 and 2). Lead angle on a cut-off insert reduces the bur that remains on the part but decreases tool life and increases tool side deflection and possibly cycle time.
- If 0° lead angle is mandatory, use the narrowest possible cut-off insert and blade. This will minimise the centre stub or cut-off bur length.

Figure 1

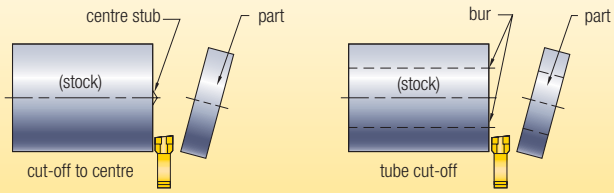
Insert selection **left-hand lead**



Left-hand lead insert leaves centre stub or bur on part and produces clean stock surface.

Figure 2

Insert selection **right-hand lead**



Reduces nub but decreases tool life and productivity

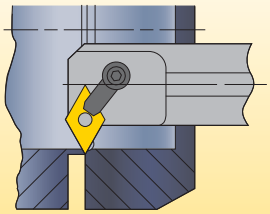
Right-hand lead insert leaves centre stub or bur on stock and produces clean part surface.

- Check total height and maintain on centre with part diameter.
- The cutting edge height should be within ±0,1mm (.004") to the centre; recommended cutting position is 0,05mm (.002") above centre.

Tubing

- On tubing-type parts that require a chamfer on the I.D., align I.D. chamfer tool with cut-off surface. This will enable the chamfering operation to actually separate the part from the bar (see Figure 3). Note the part may drop onto the chamfering bar, which, in this case, will act like a catcher for the part.

Figure 3

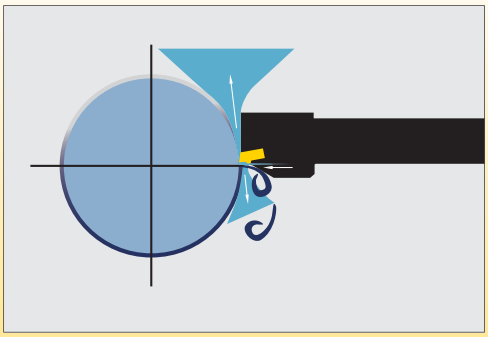


Internal chamfer line up

Improve surface finish of cut-off faces:

- Use insert with 0° lead angle.
- Increase coolant flow or improve application technique, as shown in Figure 4.
- Decrease the feed rate near the break-through point of the cut.
- Check that the grooving tool is set at the correct angle.
- Use blades with the greatest possible face height and smallest possible cutting width.
- Increase the speed.

Figure 4

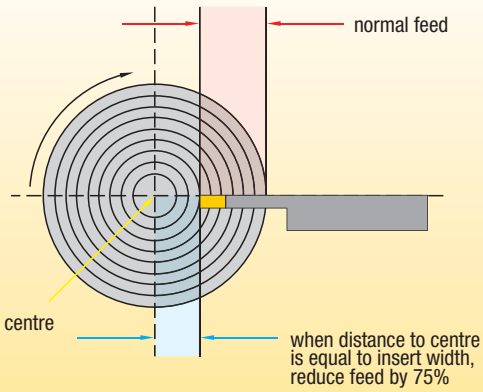


Preferred method for applying coolant

- Mount cut-off tool upside down. This enables gravity to remove chips and avoid cutting the chips twice. Another benefit of mounting the tool upside down is preventing chips from wedging between the tool insert and the groove side walls, which galls the side wall surfaces.

Programming Guidelines

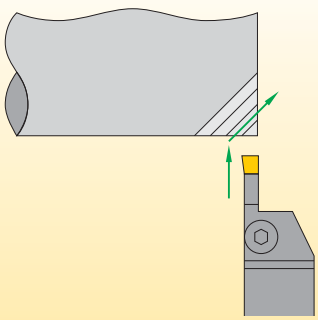
Feed reduction in cut-off



Feed reduction when approaching centre = longer tool life

Chamfering

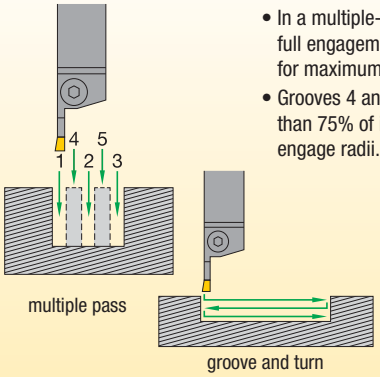
Chamfering with a grooving tool reduced machine index time and tool stations.



(continued)

Programming Guidelines *(continued)*

Pocketing



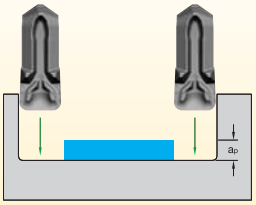
- In a multiple-pass operation, generate full engagement grooves in 1, 2, and 3 for maximum stability.
- Grooves 4 and 5 should be no more than 75% of insert width, so as not to engage radii.

If pocket is deeper than wide = multiple pass

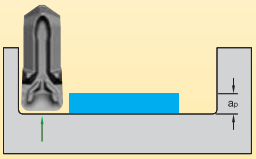
If pocket is wider than deep = groove and turn

Square Pocket

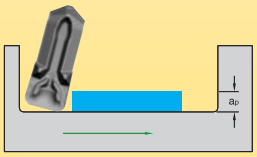
Steps 1 and 2
Plunge the radius and wall on each side to open up two grooves.



Step 3
Retract tool 0,1mm; this is necessary to create a flat bottom.

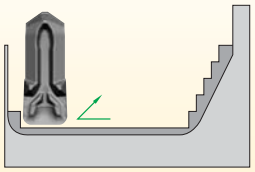


Step 4
Side turn. This tool is designed to deflect, creating the necessary front clearance.

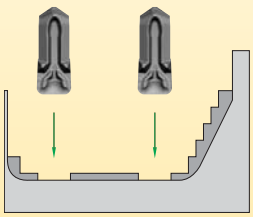


Profile Pocket

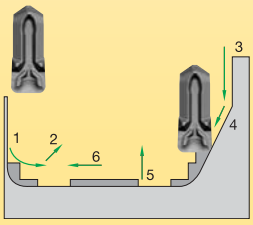
Step 1
Rough to have about the same amount of stock left on all surfaces for finish.



Step 2
Open up two grooves away from wall and radius.

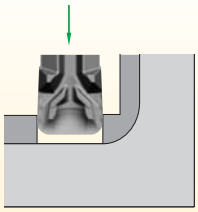


Step 3
(1 and 2) Finish wall and radius.
(3 and 4) Finish wall, angle, and radius on opposite side of pocket.
(5) Retract tool 0,1mm (.004").
(6) Side turn to finish the floor of the pocket.

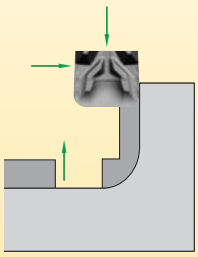


Generating a Radius

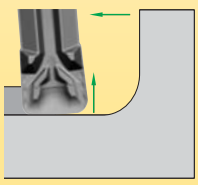
Step 1
Open up a groove away from the radius.



Step 2
Retract and move the material on the wall and generate the radius. By generating the groove in the prior step, only one surface is engaged at a time, reducing the risk of vibrations.

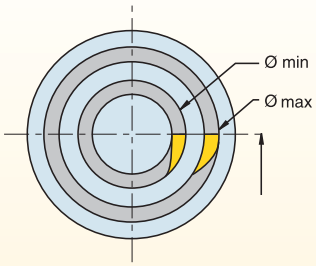


Step 3
Retract the tool 0,1mm (.004") and then side turn.



Grooving Tool Failure and Solution Guide

Face Grooving Application Guidelines



Tool Selection

- When selecting the toolholder, always start at the largest diameter possible and work toward the smaller diameter. This will allow the strongest tool to be used.

Cutting the First Groove

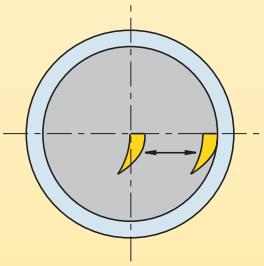
- The outside diameter of the first groove must be between the diameter minimum and diameter maximum capability of the face grooving tool (see illustration above). This creates clearance for the toolholder.

Chip Control

- Adjust speed and feed for good chip control and evacuation from the groove. Chip compaction can cause poor surface finish, tool breakage, and reduced tool life.

Tool Setting

- The tool should be set as close to the centre as possible to avoid extreme formation of burs.
- Align the cutting edge square to the workpiece.



Widening a Face Groove

- After the first groove has been cut, the groove width can be widened in either direction using the same tool. The best practice is to work from the O.D. to the I.D.

Practical Solutions to Grooving Problems

problem	remedy
bur	1. Verify tool centre height. 2. Use sharp tools (index more often). 3. Use positive rake PVD coated insert. 4. Use correct grade for workpiece material. 5. Use correct geometry (e.g., positive rake for workhardening material). 6. Change tool path.
poor surface finish	1. Increase speed. 2. Use sharp tools (index more often). 3. Dwell time in bottom 1–3 revolutions (max). 4. Use proper chip control geometry. 5. Increase coolant flow. 6. Verify proper setup (overhang, shank size). 7. Use correct geometry (e.g., positive rake for workhardening material).
groove bottom not flat	1. Use sharp tools (index more often). 2. Dwell time in bottom 1–3 revolutions (max). 3. Reduce tool overhang (increase rigidity). 4. Reduce feed rate at groove bottom. 5. Use a wider insert. 6. Verify tool centre height.
poor chip control	1. Use sharp tools (index more often). 2. Increase coolant concentration. 3. Adjust feed rate (usually increase first).
chatter	1. Reduce tool and workpiece overhang. 2. Adjust speed (usually increase first). 3. Adjust feed (usually increase first). 4. Verify tool centre height.
insert chipping	1. Use correct grade for workpiece material. 2. Increase speed. 3. Reduce feed. 4. Use a stronger grade. 5. Increase tool and setup rigidity.
built-up edge	1. Use positive rake PVD coated insert. 2. Increase speed. 3. Reduce feed. 4. Increase coolant flow/concentration. 5. Use cermets.
side walls not straight	1. Check tool alignment for square. 2. Reduce workpiece and tool overhang. 3. Use sharp inserts (index more often).

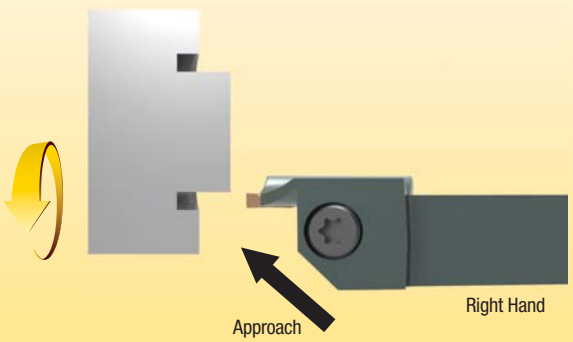
Steps to proper face grooving tool selection

- Step 1: Select your spindle rotation
- Step 2: Select your angle of approach and toolholder orientation

Integral Tooling

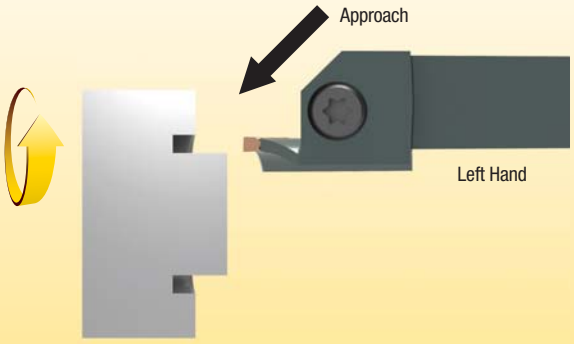
Anti-Clockwise Rotation

Square Shank

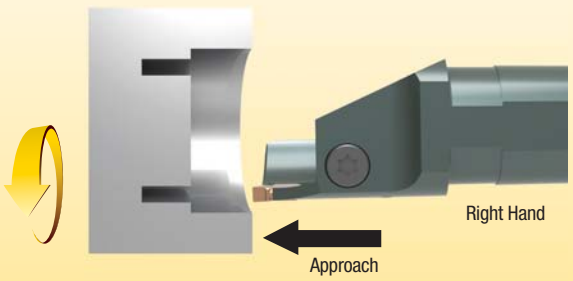


Clockwise Rotation

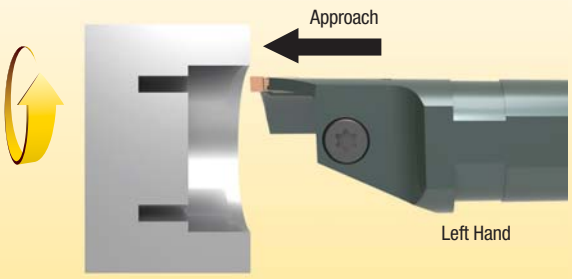
Square Shank



Boring Bar



Boring Bar



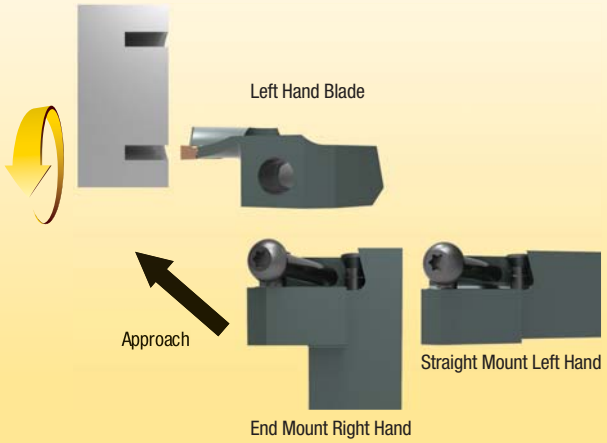
Steps to proper modular face grooving tool selection

- Step 1: Select your spindle rotation
- Step 2: Select your angle of approach and toolholder orientation
- Step 3: Identify combination of blade and shank tool

Modular Tooling

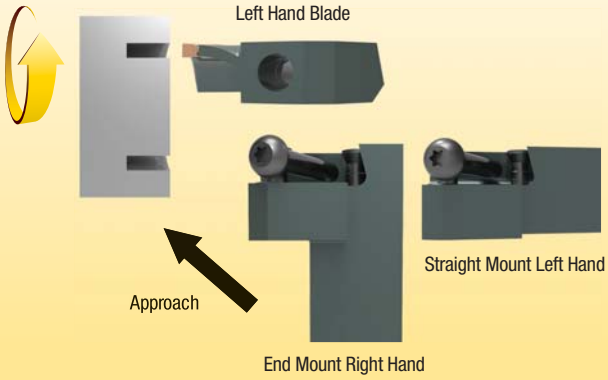
Anti-Clockwise Rotation

Left Hand Outboard Sweep

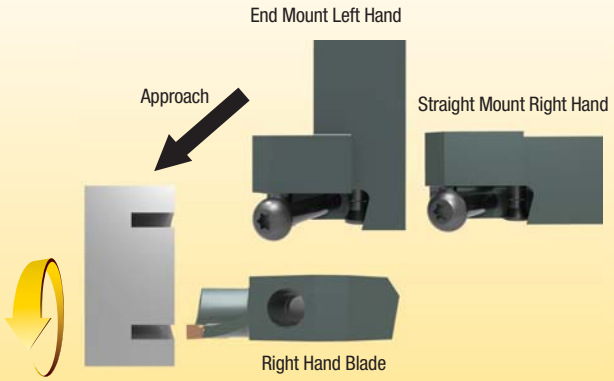


Clockwise Rotation

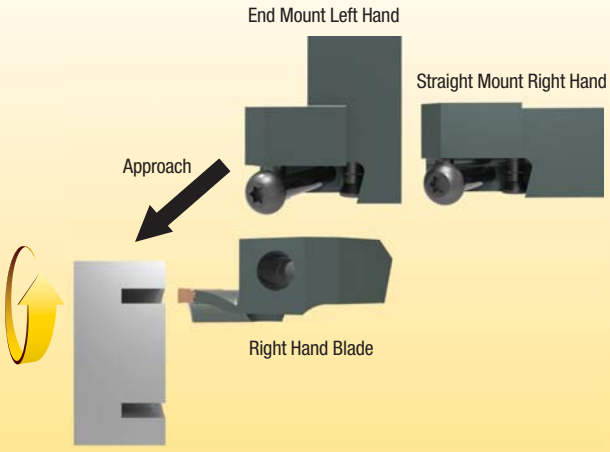
Left Hand Inboard Sweep

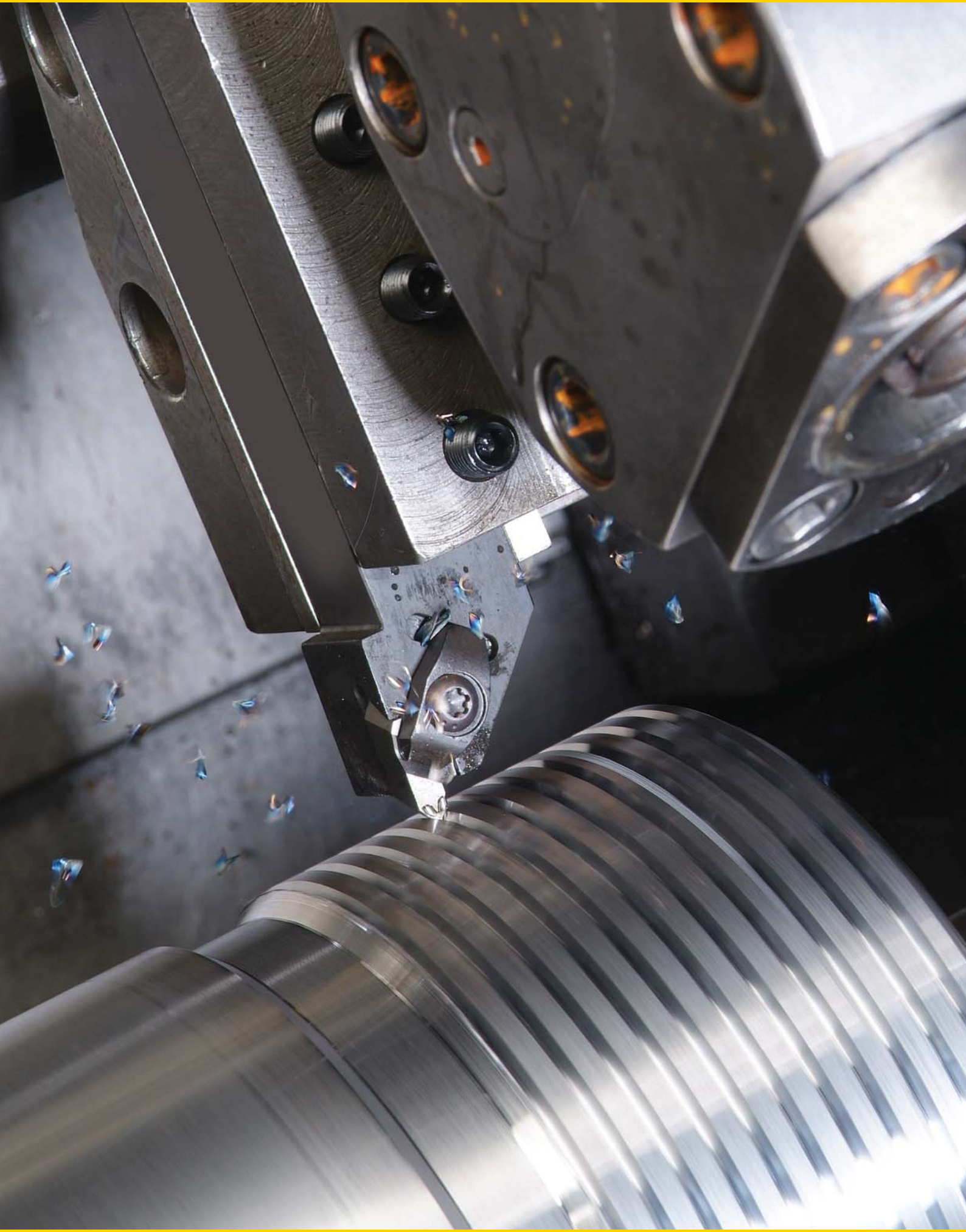


Right Hand Inboard Sweep



Right Hand Outboard Sweep





Threading

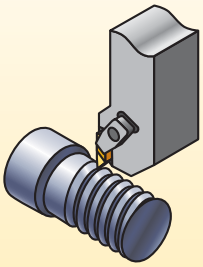
Threading Application Guide D2–D3

Top Notch Threading D4–D43

Laydown Threading D44–D87

Threading Technical Information D88–D110

Top Notch External Threading

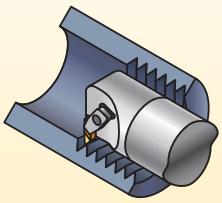


Square Shank Toolholder Sizes:
- Metric — 10–32mm

Cresting (Full Profile):
UN TPI of 32–7
ISO 1,5–3,0mm pitch

60° Partial Profile — Flat Top (NTF and NTK):
UN 44–4.5 TPI
ISO 0,6–5,5mm pitch

Top Notch Internal Threading

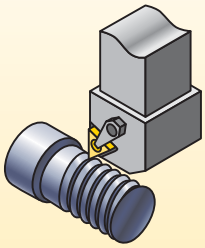


Boring Bar Diameters:
- Metric — 10–50mm
- Minimum bore — 11,5mm
- Steel

Cresting (Full Profile):
UN 16–8 TPI
ISO 1,5–3,0mm pitch

60° Partial Profile — Flat Top (NT-1L, NTF, and NTK):
UN 24–4.5 TPI
ISO 1,0–5,5mm pitch

LT Laydown External Threading

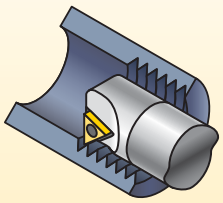


Square Shank Toolholder Sizes:
- Metric — 8–40mm available

Cresting (Full Profile):
UN 48–8 TPI
ISO 0,5–5,0mm pitch

60° Partial Profile:
UN 48–4 TPI
ISO 0,5–6,0mm pitch

LT Laydown Internal Threading



Boring Bar Diameters:
- Metric — 12–50mm
- Minimum bore — 13mm
- Steel and carbide

Cresting (Full Profile) and Partial Profile:
UN 48–8 TPI
ISO 0,5–5,0mm pitch

60° Partial Profile:
UN 48–4 TPI
ISO 0,5–6,0mm pitch

55° Partial Profile:
UN 48–5 TPI
ISO 0,5–5,0mm pitch

Top Notch™ Thread Tooling

The Proven High-Productivity Threading Solution

Top Notch threading with Beyond™ insert technology provides consistent tool performance and superior clamping thread to almost any operation. With the largest selection of grades and geometries in the industry, the Top Notch threading system is a proven solution.

Features and Benefits

Choosing the Top Notch Threading System

- A superior choice for heavy-duty applications like machining of Acme, Buttress, and API threads. Top Notch is also the best system for coarse pitch and multitooth threading applications.
- Largest selection of insert geometries and grades in the industry.
- A very rigid insert clamping design ensures best tool life, surface finish, and workpiece quality.
- Simplicity of the Top Notch design does not require shim selection for thread helix angles. This helps to avoid mistakes on the shop floor.
- Reduce inventory by using the same Top Notch toolholders and boring bars with either threading or grooving inserts.
- Top Notch chipbreaker inserts eliminate long troublesome coils.
- An excellent choice for special thread forms and toolholder designs.

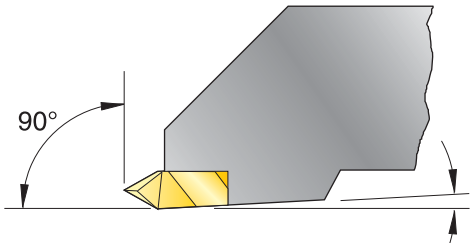
Top Notch inserts are available in KCU10™ and KCU25™ grades to withstand the demands placed on the cutting edge of the threading insert.

The versatility of the Top Notch™ steel enables you to use both threading and grooving inserts in the same toolholder.



Precision-Ground Thread Form

- Minimises built-up edge.
- Precisely cuts most common materials.
- Reduces cutting forces.
- Ensures accurate high-quality threads.



NOTE: Holders are designed to locate inserts inclined to 3° to provide back clearance down open side.

Superior Chip Control

- Eliminates long, troublesome coils.
- Excellent for internal threading operations.
- Available in partial profile inserts for 60° thread forms.

Step 1 • Select Threading Method and Hand of Tooling

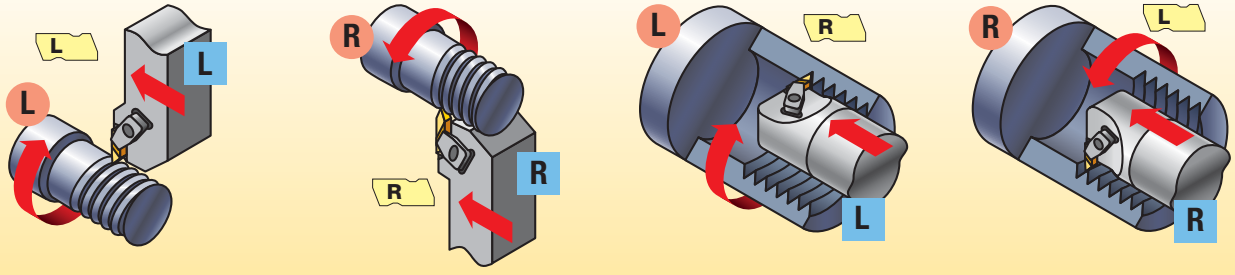
Required Information:

- External/internal operation.
- Spindle rotation/hand of thread.
- Feed direction.



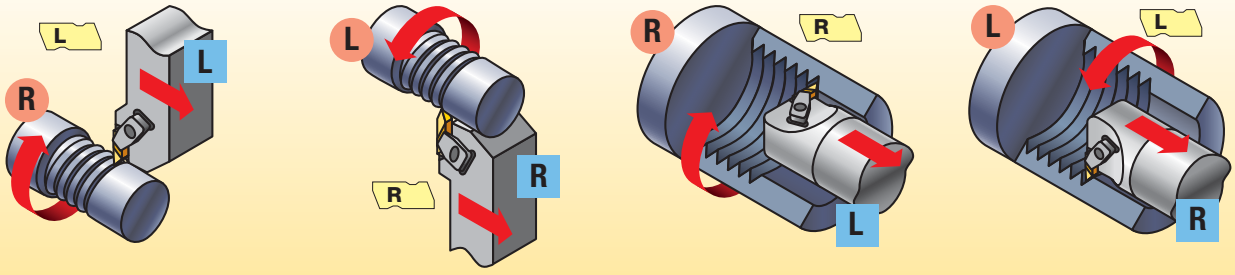
hand of thread | hand of toolholder | hand of insert

Feed direction toward the chuck • RECOMMENDED



external left-hand thread | external right-hand thread | internal left-hand thread | internal right-hand thread

Feed direction away from the chuck



external right-hand thread | external left-hand thread | internal right-hand thread | internal left-hand thread

Step 2 • Select Holder from Catalogue Page

The insert size must match the gage insert size of your toolholder selection:

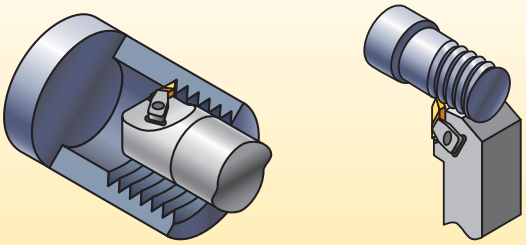
Required Information:

- External/internal operation.
- Minimum bore diameter (for internal operations).
- Hand of tool.
- Insert size (gage insert).

catalogue number	gage insert
NSR-163D	N.3R
NSR-164D	N.4R

NOTE: Top Notch toolholders and boring bars are listed with a gage insert to indicate the size and hand required. They are compatible with both grooving and threading inserts of the same size.

Select the appropriate holder for the insert size and hand:

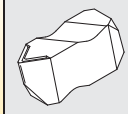


NOTE: Optimise your threading operation by using the proper infeed method and the recommended infeed values.

See the technical section on pages D88–D110 of this catalogue.
For internal threading, minimum bore varies depending on thread type.
See page D102 for details.

Step 3 • Choose Insert for Application

- See threading insert overview on page D11.
- Select cresting inserts for fully controlled thread form including diameter control. Cresting inserts eliminate the need for deburring.
- Non-cresting partial profile inserts can cut a variety of thread pitches.
- Note insert size for toolholder selection.



insert size	catalogue number	KCU25/ KC5025	KCU10/ KC5010
2	**NT-2RK**	●	●
3	**NT-3RK**	●	●
4	**NT-4RK**	●	●

Step 4 • Select Grade and Speed

Recommendations for Grade and Speed Selection — m/min

workpiece material	steel	stainless steel	cast iron	non-ferrous metals	high-temp alloys
insert style	chip control or neutral 	chip control or positive 	neutral 	positive 	positive 
optimum cutting conditions	**KCU10/KC5010** 70–260	**KCU10/KC5010** 90–245	**KCU10/KC5010** 60–245	**KC5410** 90–550	**KCU10/KC5010** 30–150
first choice	**KCU25/KC5025** 50–230	**KCU25/KC5025** 75–230	**KCU25/KC5025** 50–180	**KCU25/KC5025** 60–455	**KCU25/KC5025** 20–120

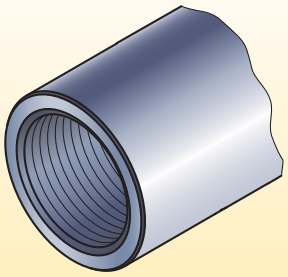
Examples:

Chip Control: NT-K or NT-CK (partial profile only)
Neutral: NT, NT-C, NTF, NTC, NJ, NJF, NDC-V, NA, NDC, NTB-A/B
Positive: NTP, NTK, NJP, NJK

Top Notch Threading Example:

application: 8 TPI Acme internal right-hand thread
material: alloy steel
workpiece diameter: 114,3mm good cutting conditions feed towards the chuck

Recommendation:
insert: NA3L8
grade: KCU10
insert size: 3
boring bar: A40NER3
gage insert: N.3L
speed: 150 m/min
infeed passes*: 12 passes



*Infeed recommendations provided in technical data section on pages D97–D101.

Recommended Starting Speeds [m/min]

Material Group		K68			KCU10/KC5010			KCU25/KC5025			KC5410		
P	0–1	–	**–**	–	135	**200**	260	105	**165**	230	–	**–**	–
	2	–	**–**	–	130	**190**	245	100	**150**	200	–	**–**	–
	3	–	**–**	–	105	**155**	200	75	**125**	170	–	**–**	–
	4	–	**–**	–	70	**120**	160	60	**95**	130	–	**–**	–
	5	–	**–**	–	105	**155**	200	75	**130**	170	–	**–**	–
	6	–	**–**	–	70	**120**	160	50	**90**	130	–	**–**	–
M	1	45	**75**	105	120	**180**	245	90	**170**	230	–	**–**	–
	2	35	**65**	100	90	**165**	210	75	**140**	200	–	**–**	–
	3	35	**65**	100	90	**165**	210	75	**135**	200	–	**–**	–
K	1	30	**75**	120	120	**180**	245	90	**135**	180	–	**–**	–
	2	25	**60**	100	90	**150**	210	70	**120**	170	–	**–**	–
	3	20	**55**	90	60	**105**	150	50	**85**	120	–	**–**	–
N	1–2	90	**245**	365	150	**365**	550	120	**305**	455	245	**425**	610
	3	45	**75**	105	90	**135**	180	60	**105**	150	90	**150**	210
	4	60	**120**	180	120	**305**	455	100	**200**	305	120	**305**	455
	5	45	**90**	150	90	**165**	245	70	**135**	195	120	**210**	305
	6	35	**75**	120	120	**210**	305	100	**170**	245	120	**245**	365
S	1	8	**25**	45	30	**70**	105	20	**40**	60	–	**–**	–
	2	8	**24**	40	30	**65**	100	20	**35**	45	–	**–**	–
	3	8	**24**	40	30	**65**	100	20	**35**	45	–	**–**	–
	4	9	**60**	105	55	**105**	150	45	**85**	120	–	**–**	–
H	1	–	**–**	–	30	**45**	60	–	**–**	–	–	**–**	–
	2	–	**–**	–	15	**30**	45	–	**–**	–	–	**–**	–
	3	–	**–**	–	–	**–**	–	–	**–**	–	–	**–**	–
	4	–	**–**	–	–	**–**	–	–	**–**	–	–	**–**	–

NOTE: FIRST choice starting speeds are in **bold** type.

NOVO KNOWS CAD/CAM

With the addition of NOVO™ applications to your team, your CAD/CAM capabilities become much more accurate, streamlined, and productive.

Before NOVO: The programmer would be in their CAD/CAM software, programming a part. Using the tedious method of finding a tool in a catalogue, and then manually inputting the tooling information from the catalogue into the CAD/CAM software.

The concern is that assumptions are made, and only partial tooling information is entered.

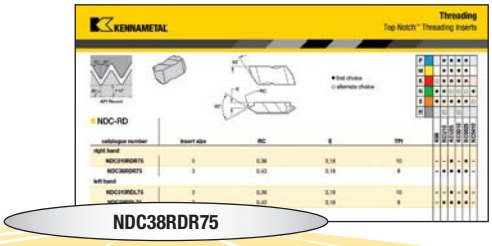
With NOVO: The powerful digital intelligence of NOVO applications not only help the programmer find the right tool for the metalcutting job, but also automatically integrates all the tooling data into a complete CAD/CAM solution. The integration of all the tooling data increases the viability of the part being programmed, and is delivered quickly — saving you time.

NOVO applications can ensure you have the right tools on your machines, in the right sequence. Resulting in flawless execution that accelerates every job, and maximises every shift. **kennametal.com/novo**



How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



N	D	C	3	8RD	R	75	
Type of Insert	Insert	Additional Information	Insert Size	Industry Thread Identification	Hand of Insert	Definition of Insert	Additional Information

N — Top Notch*



A — Acme

D — API or NPT

J — UNJ thread

T — 60° V thread

W — 55° V Whitworth

B — Buttress

F — Fine pitch

S — Stub Acme

C — Cresting

P — Positive rake

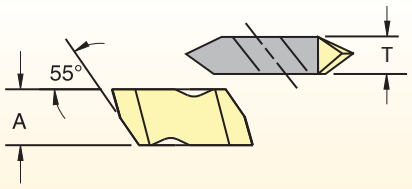
K — Fine pitch, positive

Indicates API or drilling industry form designation (e.g., 10RD, 8RD, .038)
or
controlled root radius threading inserts indicate the root radius in .001" increments (NJ, NJF, NJP, NJK)
or
M indicates metric ISO thread

R — Right hand

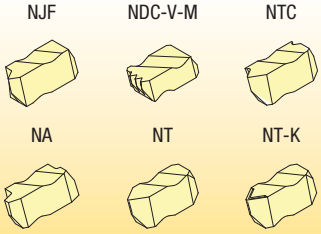
L — Left hand

- Threads per inch or pitch (for metric)
- "A" or "B" type Buttress insert
- Taper per foot — API threads



Top Notch insert dimensions

insert size	A mm	T mm
1	2,54	2,54
2	5,56	3,81
3	8,74	4,95
4	11,51	6,48
5	17,48	9,65
6	11,51	9,73
8	7,93	11,13



I — Internal thread

E — External thread (used only if internal and external thread forms are different)

M — Multiple tooth

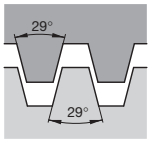
K — Standard chip control

C — Coarse pitch

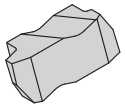
D — Dryseal

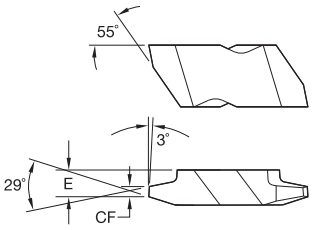
*Kennametal proprietary standard only.

style			thread profile	standard	tolerance class	cresting	application	page(s)
chip control — K	neutral	positive						
NT-K 	NT 	NTP 	Partial Profile 60º	—	—	N	General use for 60° thread forms, such as ISO and UN, where non-cresting inserts are desired to cut a variety of pitches.	D19, D24
NT-CK 			Partial Profile 60º — coarse pitch	—	—	N	Coarse pitch 60° thread forms, such as ISO and UN, where non-cresting inserts are desired to cut a variety of pitches.	D21
	NTF 	NTK 	Partial Profile 60º — fine pitch	—	—	N	Fine pitch 60° thread forms, such as ISO and UN, where non-cresting inserts are desired to cut a variety of pitches — able to thread close to shoulders.	D23
	NTU 		Partial Profile 60º — fine pitch	—	—	N	Four-edged insert for 60º partial profile threading — requires NSU-style toolholder for size 4U insert.	D24
	NTC-M 		Metric ISO	ISO R262, DIN 13	6g/6H	Y	Widely used metric 60° V-form for all industries.	D21
	NTC 		American UN	ANSI B1.1:74	2A/2B	Y	Widely used inch-based 60° V-form for all industries.	D20
	NJ 	NJP 	UNJ	MIL-S-8879C	3A/3B	N	Controlled root radius on external threads for military and aerospace industries.	D17–D18
	NJF 	NJK 	UNJ — fine pitch	MIL-S-8879C	3A/3B	N	Controlled root radius on external threads for military and aerospace industries — able to thread close to shoulders.	D17–D18
	NDC-V 		NPT	ANSI/ACME B1.201: 1983	Standard NPT	Y	National Pipe Thread standard forms for pipe fittings.	D16
	NDC-V-M 		NPT — multi-tooth	ANSI/ACME B1.201: 1983	Standard NPT	Y	High-productivity multi-tooth threading inserts for NPT threads.	D16
	NWC-E 		Whitworth, BSW, BSP	BS 84:1956, ISO 228/1:1982, DIN 259	Medium Class A	Y	Widely used 55° form for gas and water connections.	D25
	ND 		API Rotary Shoulder Connections — partial profile	API SPEC. 7:1990	Standard API	N	60º V-form used for rotary shoulder pipe connections in the oil and gas industry including V-.038R, V-.040, and V-.050 forms.	D14
	NDC 		API Rotary Shoulder Connections — cresting	API SPEC. 7:1990	Standard API	Y	60º V-form used for rotary shoulder pipe connections in the oil and gas industry including V-.038R, V-.040, and V-.050 forms — complete cresting form including taper.	D14
	NDC-RD 		API Round	API STD. 5B:1979	Standard API RD	Y	60° V-form with large radius for casing, tubing, and line pipe in the oil and gas industry, including 8 and 10 round forms.	D15
	NDC-RD-M 		API Round — multi-tooth	API STD. 5B:1979	Standard API RD	Y	High productivity multitooth threading inserts for API round threads.	D15
	NA 		Acme	ANSI B1.5:1988	3G	N	29° truncated thread form for motion applications in a wide variety of industries.	D12
	NAS 		Stub Acme	ANSI B1.8:1988	2G	N	Shallow depth 29° truncated thread form for motion applications in a wide variety of industries.	D13
	NTB-A 		American Buttress — 7° clearance flank leading (Push)	ANSI B1.9:1973	Class 2	N	Sawtooth form for axial load bearing applications in a variety of industries — use the “A” style when the 7° clearance flank is the leading flank.	D19
	NTB-B 		American Buttress — 45° clearance flank leading (Pull)	ANSI B1.9:1973	Class 2	N	Sawtooth form for axial load bearing applications in a variety of industries — use the “B” style when the 45° clearance flank is the leading flank.	D20



Acme



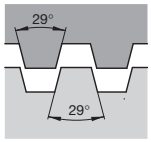


● first choice
○ alternate choice

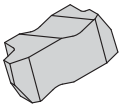
P		●	●	●	●	
M		●	●	●	●	
K	○	●	●	●	●	
N	●	●	○	○	○	●
S	●	●	●	●	●	○
H		○		○		

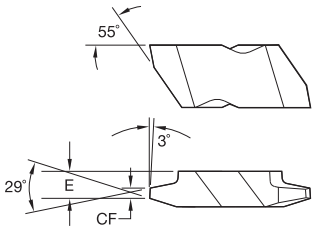
NA

catalogue number	insert size	RC	E	CF	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand											
NA3R10	3	–	3,79	0,810	10	–	●	●	●	●	–
NA3R12	3	–	3,79	0,719	12	–	●	–	–	●	–
NA3R16	3	–	3,79	0,523	16	–	●	–	–	–	–
NA3R4	3	–	3,38	2,222	4	–	–	●	●	●	–
NA3R5	3	–	3,79	1,750	5	–	●	●	●	●	–
NA3R6	3	–	3,79	1,438	6	–	●	●	●	●	–
NA3R8	3	–	3,79	1,044	8	–	●	●	●	●	–
NA4R4	4	–	5,13	2,223	4	–	–	●	●	●	–
NA4R5	4	–	5,13	1,750	5	–	–	–	–	●	–
NA4R6	4	–	5,13	1,438	6	–	–	–	–	●	–
NA6R25	6	–	7,19	3,635	2.5	–	–	–	–	●	–
NA6R2	6	–	7,19	4,577	2	–	●	●	●	●	–
NA6R3	6	–	7,19	3,007	3	–	–	●	–	●	–
left hand											
NA3L8	3	–	3,79	1,044	8	–	●	●	●	●	–
NA3L10	3	–	3,79	0,810	10	–	–	●	–	●	–
NA3L12	3	–	3,79	0,719	12	–	–	–	●	●	–
NA3L4	3	–	3,38	2,222	4	●	●	●	●	●	–
NA3L5	3	–	3,79	1,750	5	–	–	●	●	●	–
NA3L6	3	–	3,79	1,438	6	–	–	●	●	●	–
NA4L5	4	–	5,13	1,750	5	–	–	–	–	●	–
NA4L6	4	–	5,13	1,438	6	–	–	–	–	●	–
NA4L8	4	–	5,13	1,044	8	–	–	●	–	–	–
NA4L4	4	–	5,13	2,223	4	–	●	–	–	●	–
NA6L3	6	–	7,19	3,007	3	–	–	●	–	●	–
NA6L25	6	–	7,19	3,635	2.5	–	–	●	–	–	–
NA6L2	6	–	7,19	4,577	2	–	–	●	●	●	–
NA3L16	3	–	3,79	0,523	16	–	●	–	–	–	–



Stub Acme



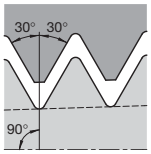


● first choice
○ alternate choice

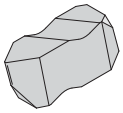
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

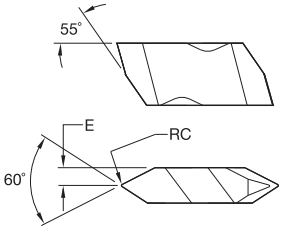
NAS

catalogue number	insert size	RC	E	CF	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand											
NAS3R10	3	–	3,79	0,940	10	–	●	–	●	●	–
NAS3R12	3	–	3,79	0,828	12	–	–	●	–	●	–
NAS3R16	3	–	3,79	0,605	16	–	–	–	–	●	–
NAS3R4	3	–	3,79	2,550	4	–	–	●	–	●	–
NAS3R5	3	–	3,79	2,014	5	–	●	–	–	●	–
NAS3R6	3	–	3,79	1,656	6	–	●	–	●	●	–
NAS3R8	3	–	3,79	1,209	8	–	●	●	●	●	–
left hand											
NAS3L10	3	–	3,79	0,940	10	–	●	–	–	●	–
NAS3L12	3	–	3,79	0,828	12	–	–	–	–	●	–
NAS3L4	3	–	3,79	2,550	4	–	–	●	–	●	–
NAS3L5	3	–	3,79	2,014	5	–	●	–	–	●	–
NAS3L6	3	–	3,79	1,656	6	–	●	●	●	●	–
NAS3L8	3	–	3,79	1,209	8	–	●	●	●	●	–



API Rotary Shoulder Connections



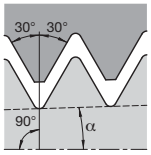


● first choice
○ alternate choice

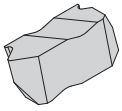
		K68	KCU10	KCU25	KC5010	KC5025	KC5410
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

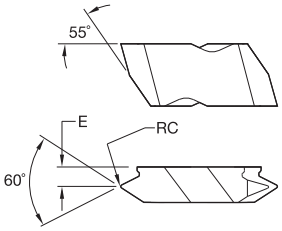
ND • Partial Profile

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
ND3040R	3	0,45	2,08	5	–	–	–	–	●	–
ND3038R	3	0,90	2,08	4	–	–	–	–	●	–
ND4050R	4	0,57	3,25	4	–	–	●	–	–	–
left hand										
ND3038L	3	0,90	2,08	4	–	–	–	–	●	–
ND3040L	3	0,45	2,08	5	–	–	●	–	–	–



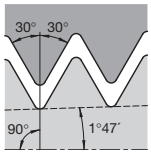
α =1/2arctg (tpf/12)
API Rotary Shoulder Connections



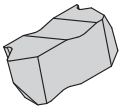


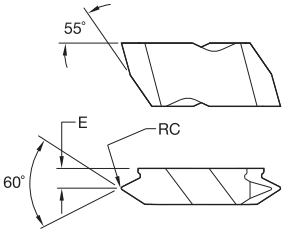
NDC • Cresting

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NDC3040R3	3	0,45	3,73	5	–	–	–	–	●	–
NDC4040R3	4	0,45	3,73	5	–	–	–	–	●	–
NDC4050R2	4	0,57	4,65	4	–	–	–	–	●	–
NDC4050R3	4	0,57	4,65	4	–	–	–	–	●	–
NDC4038R2	4	0,90	4,65	4	–	–	–	–	●	–
left hand										
NDC3040L3	3	0,45	3,73	5	–	–	–	●	–	–
NDC4050L2	4	0,57	4,65	4	–	–	–	–	●	–
NDC4038L2	4	0,90	4,65	4	–	–	–	–	●	–



API Round



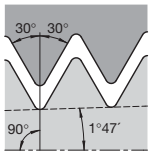


● first choice
○ alternate choice

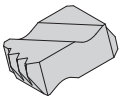
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

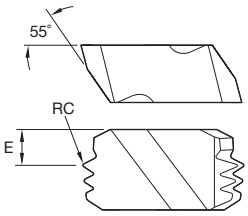
NDC-RD

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NDC310RDR75	3	0,36	3,18	10	–	–	–	–	●	–
NDC38RDR75	3	0,43	3,18	8	–	–	●	●	●	–
left hand										
NDC310RDL75	3	0,36	3,18	10	–	–	–	–	●	–
NDC38RDL75	3	0,43	3,18	8	–	–	●	●	●	–



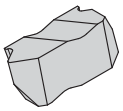
API Round

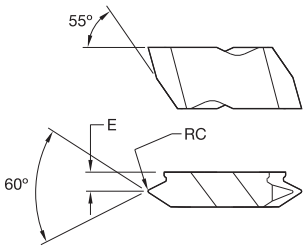




NDC-RD-M • Multitooth

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NDC68RDR75M	6	0,41	2,62	8	–	●	–	–	–	–



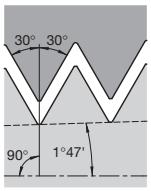


● first choice
○ alternate choice

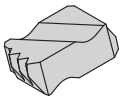
		K68	KCU10	KCU25	KC5010	KC5025	KC5410
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

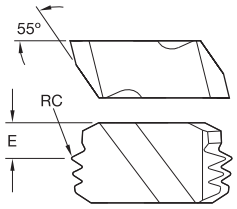
NDC-V

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NDC327VR75	3	0,05	3,66	27	–	●	–	–	–	–
NDC314VR75	3	0,08	3,66	14	–	●	–	–	–	–
NDC3115VR75	3	0,10	3,66	11.5	–	●	–	●	–	–
NDC38VR75	3	0,13	2,54	8	–	–	–	●	–	–
left hand										
NDC3115VL75	3	0,10	3,66	11.5	–	●	–	●	–	–
NDC38VL75	3	0,13	2,54	8	–	–	–	●	–	–



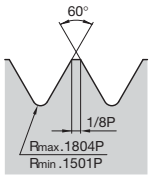
NPT



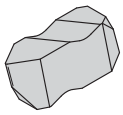


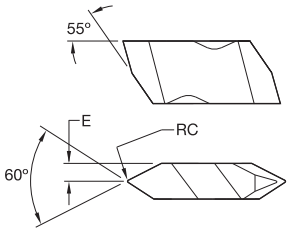
NDC-V-M • Multitooth

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NDC8115VR75M	8	0,10	2,59	11.5	–	●	–	–	–	–
NDC88VR75M	8	0,13	2,41	8	–	●	–	●	–	–
left hand										
NDC88VL75M	8	0,13	2,41	8	–	–	–	●	–	–



UNJ External



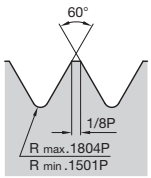


● first choice
○ alternate choice

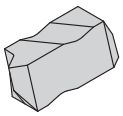
		K68	KCU10	KCU25	KC5010	KC5025	KC5410
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

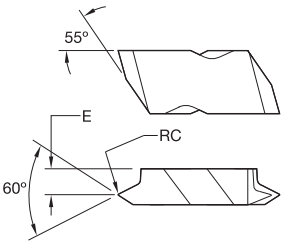
NJ

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NJ3010R16	3	0,25	2,49	–	–	16	–	●	–	●	–	●	–
NJ3014R12	3	0,33	2,49	–	–	12	–	–	●	●	●	●	–
NJ3020R8	3	0,49	2,49	–	–	8	–	–	–	–	●	●	–
left hand													
NJ3010L16	3	0,25	2,49	–	–	16	–	–	–	–	–	●	–
NJ3014L12	3	0,33	2,49	–	–	12	–	–	–	–	●	●	–
NJ3020L8	3	0,49	2,49	–	–	8	–	–	–	–	–	●	–



UNJ External



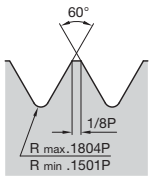


NJF

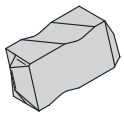
catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NJF3005R32	3	0,13	3,58	–	–	32	–	–	●	–	●	–	–
NJF3006R28	3	0,15	3,58	–	–	28	–	–	–	–	●	●	–
NJF3007R24	3	0,17	3,58	–	–	24	–	–	–	–	●	●	–
NJF3008R20	3	0,20	3,58	–	–	20	–	–	–	–	●	●	–
NJF3009R18	3	0,22	3,58	–	–	18	–	●	–	●	●	●	–
NJF3010R16	3	0,25	3,58	–	–	16	–	–	–	–	●	●	–
NJF3012R14	3	0,28	3,58	–	–	14	–	–	–	●	●	●	–
left hand													
NJF3007L24	3	0,17	3,58	–	–	24	–	–	–	–	●	–	–
NJF3008L20	3	0,20	3,58	–	–	20	–	–	–	–	●	–	–
NJF3010L16	3	0,25	3,58	–	–	16	–	–	–	–	●	–	–

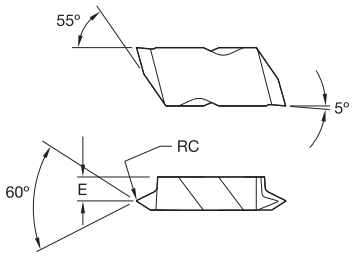
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

● first choice
○ alternate choice



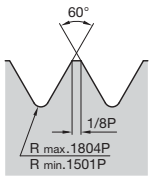
UNJ External



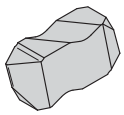


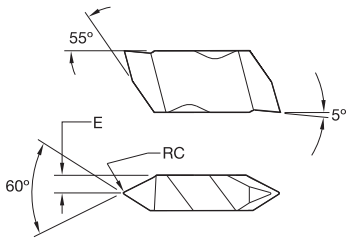
NJK

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NJK3005R32	3	0,13	3,58	–	–	32	–	–	–	–	●	●	–
NJK3006R28	3	0,15	3,58	–	–	28	–	–	–	●	●	–	–
NJK3007R24	3	0,17	3,58	–	–	24	–	–	–	●	●	●	–
NJK3008R20	3	0,20	3,58	–	–	20	–	–	●	●	●	●	–
NJK3009R18	3	0,22	3,58	–	–	18	–	–	–	–	●	●	–
NJK3010R16	3	0,25	3,58	–	–	16	–	–	–	●	●	●	–
NJK3012R14	3	0,28	3,58	–	–	14	–	–	–	–	●	●	–
left hand													
NJK3005L32	3	0,13	3,58	–	–	32	–	–	–	–	–	●	–
NJK3006L28	3	0,15	3,58	–	–	28	–	–	–	–	–	●	–



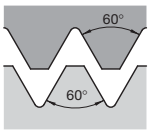
UNJ External



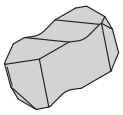


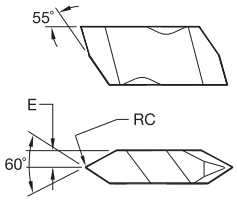
NJP

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NJP3010R16	3	0,25	2,49	–	–	16	–	–	●	–	●	●	–
NJP3014R12	3	0,33	2,49	–	–	12	–	●	●	●	●	●	–
NJP3020R8	3	0,49	2,49	–	–	8	–	–	–	●	●	●	–
left hand													
NJP3010L16	3	0,25	2,49	–	–	16	–	–	–	–	–	●	–
NJP3014L12	3	0,33	2,49	–	–	12	–	–	–	–	●	–	–
NJP3020L8	3	0,49	2,49	–	–	8	–	–	–	–	–	●	–



Partial Profile 60°



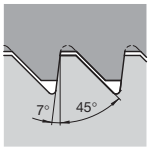


● first choice
○ alternate choice

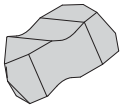
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

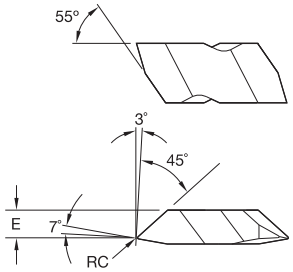
NT

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NT2R	2	0,10	1,90	0,70-3,0	1,25-3,5	8-36	7-20	●	●	●	●	●	–
NT3R	3	0,17	2,49	1,25-4,0	2,0-5,0	6-20	5-12	●	●	●	●	●	–
NT4R	4	0,17	3,25	1,25-6,25	2,0-6,25	4-20	4-12	●	●	●	●	●	–
left hand													
NT2L	2	0,10	1,90	0,70-3,0	1,25-3,5	8-36	7-20	●	●	●	●	●	–
NT3L	3	0,17	2,49	1,25-4,0	2,0-5,0	6-20	5-12	●	●	●	●	●	–
NT4L	4	0,17	3,25	1,25-6,25	2,0-6,25	4-20	4-12	●	●	●	●	●	–



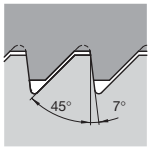
American Buttress-Push



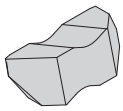


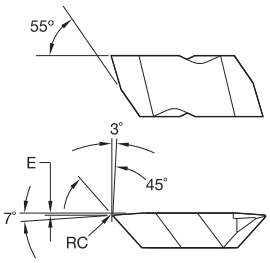
NTB-A

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NTB2RA	2	0,08	3,20	16-20	●	–	–	–	–	–
NTB3RA	3	0,17	4,17	8-16	–	●	–	–	●	–
NTB4RA	4	0,25	5,23	4-6	–	●	–	–	–	–
left hand										
NTB3LA	3	0,17	4,17	8-16	●	–	–	●	●	–



American
Buttress-Pull



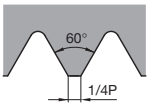


● first choice
○ alternate choice

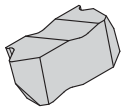
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

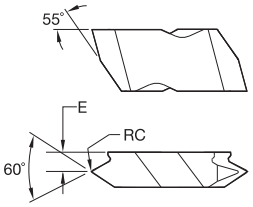
NTB-B

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NTB2RB	2	0,08	0,25	16-20	–	–	–	●	–	–
NTB3R12B	3	0,16	2,49	12	–	–	–	●	–	–
NTB3RB	3	0,17	0,31	8-16	●	●	●	●	●	–
NTB4RB	4	0,25	0,41	4-6	–	●	–	●	●	–
left hand										
NTB2LB	2	0,08	0,25	16-20	–	●	–	●	–	–
NTB3L12B	3	0,16	2,49	12	–	–	–	●	–	–
NTB3LB	3	0,17	0,31	8-16	●	●	–	●	●	–
NTB4LB	4	0,25	0,41	4-6	–	–	–	●	●	–



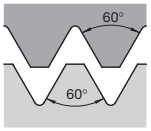
American
UN-Internal



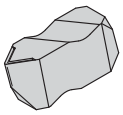


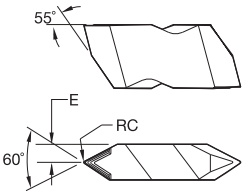
NTC-I

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NTC3R12I	3	0,10	3,76	–	–	–	12	–	–	–	–	●	–
left hand													
NTC3L12I	3	0,10	3,76	–	–	–	12	–	–	–	–	●	–
NTC3L14I	3	0,09	3,76	–	–	–	14	–	–	–	–	●	–
NTC3L16I	3	0,08	3,76	–	–	–	16	–	–	–	–	●	–
NTC3L8I	3	0,18	2,72	–	–	–	8	–	–	–	–	●	–
NTC3L10I	3	0,13	2,72	–	–	–	10	–	–	–	–	●	–



Partial Profile 60°



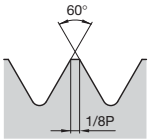


● first choice
○ alternate choice

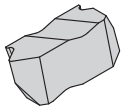
		K68	KCU10	KCU25	KC5010	KC5025	KC5410
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

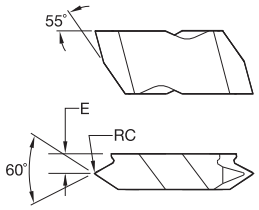
NT-CK

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NT3RCK	3	0,34	2,46	2,5-4,0	4,0	6-11	6	–	●	●	●	●	–
NT4RCK	4	0,34	3,23	2,5-5,5	4,0-5,5	4,5-11	4.5-6	–	–	●	●	●	–
left hand													
NT3LCK	3	0,34	2,46	2,5-4,0	4,0	6-11	6	–	●	●	●	●	–
NT4LCK	4	0,34	3,23	2,5-5,5	4,0-5,5	4,5-11	4.5-6	–	–	●	–	●	–



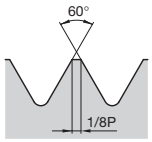
ISO Metric-External



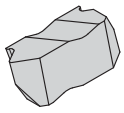


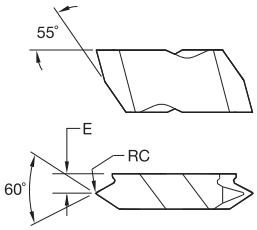
NTC-M-E

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NTC3MR150E	3	0,20	3,68	1,50	–	–	–	–	●	–	●	●	–
NTC3MR200E	3	0,27	3,68	2,00	–	–	–	–	–	–	●	–	–



American
UN-External



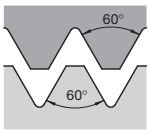


● first choice
○ alternate choice

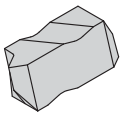
		K68	KCU10	KCU25	KC5010	KC5025	KC5410
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

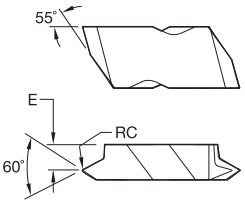
NTC-E

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NTC3R32E	3	0,10	3,76	–	–	32	–	–	●	–	–	●	–
NTC3R28E	3	0,12	3,76	–	–	28	–	–	–	–	–	●	–
NTC3R24E	3	0,13	3,76	–	–	24	–	–	–	–	●	●	–
NTC3R20E	3	0,16	3,76	–	–	20	–	–	●	–	●	●	–
NTC3R18E	3	0,18	3,76	–	–	18	–	–	–	●	●	●	–
NTC3R16E	3	0,19	3,76	–	–	16	–	–	–	–	●	●	–
NTC3R14E	3	0,22	3,76	–	–	14	–	–	–	–	●	●	–
NTC3R13E	3	0,24	3,76	–	–	13	–	–	–	–	●	●	–
NTC3R12E	3	0,25	3,76	–	–	12	–	–	–	●	●	●	–
NTC3R11E	3	0,28	2,72	–	–	11	–	–	●	–	–	●	–
NTC3R10E	3	0,32	2,72	–	–	10	–	–	–	–	●	●	–
NTC3R9E	3	0,36	2,72	–	–	9	–	–	●	–	–	–	–
NTC3R8E	3	0,41	2,72	–	–	8	–	–	●	–	●	●	–
NTC3R7E	3	0,47	2,72	–	–	7	–	–	–	–	–	●	–
left hand													
NTC3L16E	3	0,19	3,76	–	–	16	–	–	●	–	–	–	–
NTC3L12E	3	0,25	3,76	–	–	12	–	–	●	–	–	–	–
NTC3L10E	3	0,32	2,72	–	–	10	–	–	●	–	–	–	–
NTC3L8E	3	0,41	2,72	–	–	8	–	–	–	–	●	–	–



Partial Profile 60°



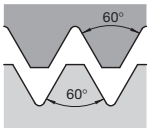


● first choice
○ alternate choice

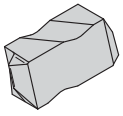
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

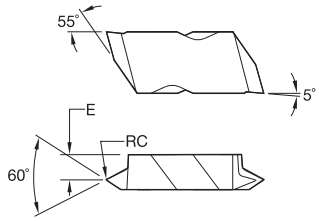
NTF

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NTF2R	2	0,08	2,79	0,60-1,75	1,0-2,0	14-44	12-24	●	●	●	●	●	–
NTF3R	3	0,08	3,58	0,60-2,5	1,0-2,5	10-44	9-24	●	●	●	●	●	–
NTF4R	4	0,08	5,11	0,60-2,5	1,0-2,5	10-44	9-24	–	–	–	–	●	–
left hand													
NTF2L	2	0,08	2,79	0,60-1,75	1,0-2,0	14-44	12-24	●	●	●	●	●	–
NTF3L	3	0,08	3,58	0,60-2,5	1,0-2,5	10-44	9-24	●	●	●	●	●	–



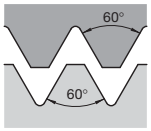
Partial Profile 60°



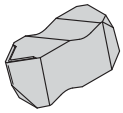


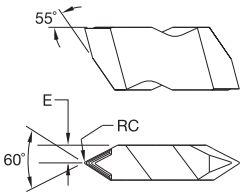
NTK

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NTK2R	2	0,08	2,79	0,60-1,75	1,0-2,0	14-44	12-24	●	●	●	●	●	–
NTK3R	3	0,08	3,58	0,60-2,50	1,0-2,5	10-44	9-24	●	●	●	●	●	–
left hand													
NTK2L	2	0,08	2,79	0,60-1,75	1,0-2,0	14-44	12-24	●	●	●	●	●	–
NTK3L	3	0,08	3,58	0,60-2,50	1,0-2,5	10-44	9-24	●	●	●	●	●	–



Partial Profile 60°



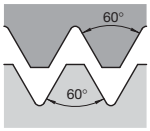


● first choice
○ alternate choice

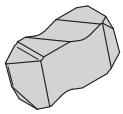
P		●	●	●	●	●	
M		●	●	●	●		
K	○	●	●	●	●		
N	●	●	○	○	○	●	
S	●	●	●	●	●	○	
H		○		○			

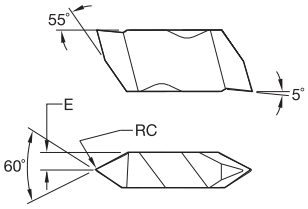
NT-K

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NT2RK	2	0,10	1,90	0,70-3,0	1,25-3,5	8-36	7-20	–	●	●	●	●	–
NT3RK	3	0,17	2,49	1,25-4,0	2,0-5,0	6-20	5-12	–	●	●	●	●	–
NT4RK	4	0,16	3,24	1,25-6,25	2,0-6,25	4-20	4-12	–	●	●	●	●	–
left hand													
NT2LK	2	0,10	1,90	0,70-3,0	1,25-3,5	8-36	7-20	–	●	●	●	●	–
NT3LK	3	0,17	2,49	1,25-4,0	2,0-5,0	6-20	5-12	–	●	●	●	●	–
NT4LK	4	0,16	3,24	1,25-6,25	2,0-6,25	4-20	4-12	–	●	●	●	●	–



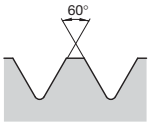
Partial Profile 60°



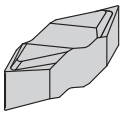


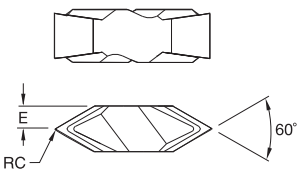
NTP

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NTP2R	2	0,10	1,91	0,70-3,0	1,25-3,5	8-36	7-20	●	●	●	●	●	–
NTP3R	3	0,17	2,49	1,25-4,0	2,0-5,0	6-20	5-12	●	●	●	●	●	●
NTP4R	4	0,17	3,25	1,25-6,25	2,0-6,25	4-20	4-12	–	●	●	●	●	–
left hand													
NTP2L	2	0,10	1,91	0,70-3,0	1,25-3,5	8-36	7-20	●	●	●	●	●	–
NTP3L	3	0,17	2,49	1,25-4,0	2,0-5,0	6-20	5-12	●	●	●	●	●	–
NTP4L	4	0,17	3,25	1,25-6,25	2,0-6,25	4-20	4-12	–	–	–	●	●	–



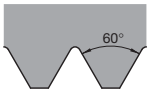
Partial Profile
60° External



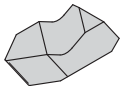


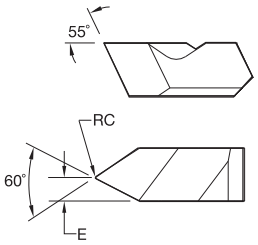
NTU

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand													
NTU4R	4U	0,11	3,18	1,25-6,25	–	4-20	–	–	–	●	–	●	–



Partial Profile
60° Internal



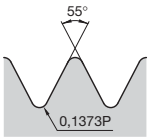


● first choice
○ alternate choice

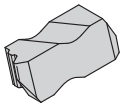
P			●	●	●	●	
M			●	●	●	●	
K		○	●	●	●	●	
N		●	●	○	○	○	●
S		●	●	●	●	●	○
H			○		○		

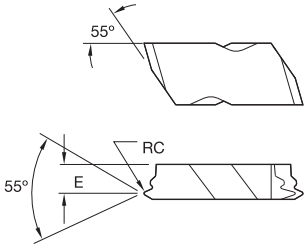
NT-1L

catalogue number	insert size	RC	E	external thread pitch mm	internal thread pitch mm	external TPI	internal TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
left hand													
NT1L	1	0,08	1,09	–	1,0-2,0	–	12-24	●	●	●	●	●	–



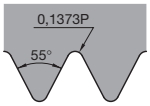
Whitworth BSW,
BSP-External



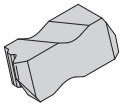


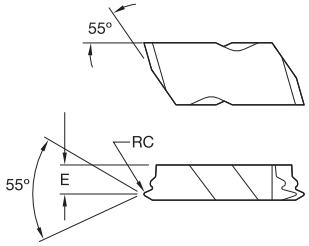
NWC-E

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
right hand										
NWC3R14E	3	0,24	3,43	14	–	–	●	●	–	–
NWC3R11E	3	0,30	3,43	11	–	–	–	●	●	–



Whitworth BSW,
BSP-Internal



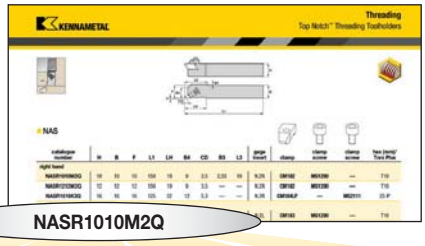


NWC-I

catalogue number	insert size	RC	E	TPI	K68	KCU10	KCU25	KC5010	KC5025	KC5410
left hand										
NWC3L11I	3	0,30	3,43	11	–	–	–	–	●	–

How Do Catalogue Numbers Work?

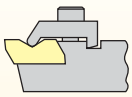
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



NASR1010M2Q

N	AS	R		1010	M	2	Q
Insert Holding Method	Insert Mounting Location	Hand of Tool	Drop Head	Shank Size	Tool Length	Insert Size	Qualified Holder

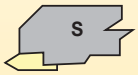
N —
Top Notch™



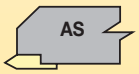
End mount



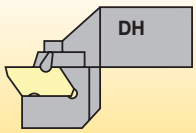
Side mount, offset



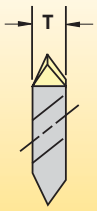
Side mount, no offset



Shank height and width in mm and holder



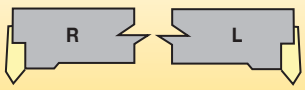
L1	ISO
32	A
40	B
50	C
60	D
70	E
80	F
90	G
100	H
110	J
125	K
140	L
150	M
160	N
170	P
180	Q
200	R
250	S
300	T
350	U
400	V
450	W
500	Y
special length	X



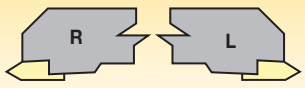
insert size	T
2	3,81
3	4,95
4	6,98
5	9,65
6	9,73
8	11,13

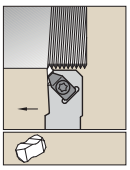
Q — Qualified holder

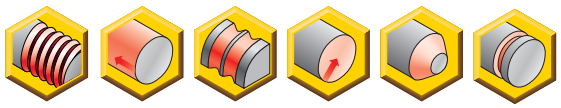
End mount

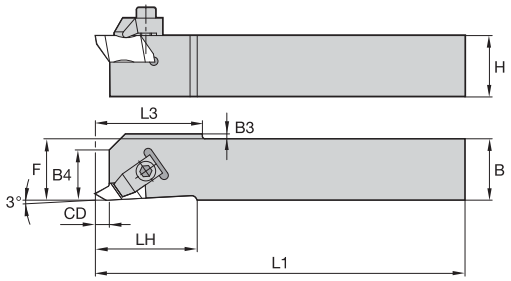


Side mount

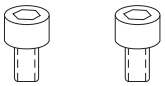






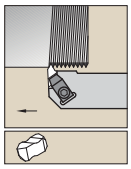


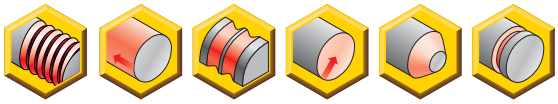
NAS

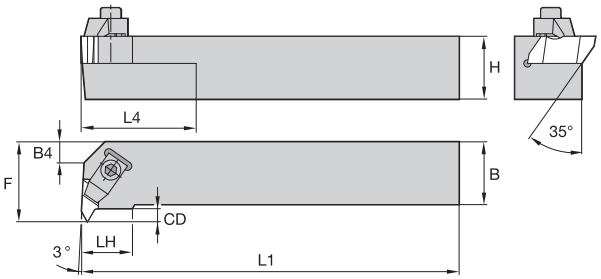


order number	catalogue number	H	B	F	L1	LH	B4	CD	B3	L3	gage insert	clamp screw	clamp screw	clamp	hex (mm)/ Torx Plus
right hand															
1098788	**NASR1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	N.2R	**CM182**	**MS1200**	**–**	T10
1098789	**NASR1212M2Q**	12	12	12	150	19	9	3,5	–	–	N.2R	**CM182**	**MS1200**	**–**	T10
1098786	**NASR1616K3Q**	16	16	16	125	32	13	5,3	–	–	N.3R	**CM184LP**	**–**	**MS2111**	25 IP
left hand															
1098859	**NASL1010M2Q**	10	10	10	150	19	9	3,5	2,03	19	N.2L	**CM183**	**MS1200**	**–**	T10
1098860	**NASL1212M2Q**	12	12	12	150	19	9	6,9	–	–	N.2L	**CM183**	**MS1200**	**–**	T10
1098857	**NASL1616K3Q**	16	16	16	125	32	13	5,3	–	–	N.3L	**CM185LP**	**–**	**MS2111**	25 IP

NOTE: F dimension measured over sharp point of N-style threading insert.





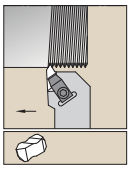


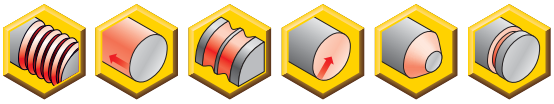
NE

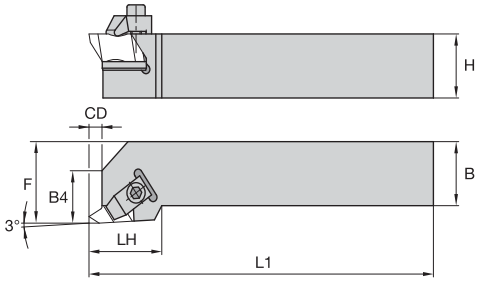



order number	catalogue number	H	B	F	L1	LH	CD	L4	gage insert	clamp screw	clamp screw	clamp	hex (mm)/ Torx Plus
right hand													
1098803	**NER1616H2**	16	16	20	100	15	3,5	–	N.2L	**CM75**	**MS1200**	**–**	T10
1098804	**NER2020K2**	20	20	25	125	15	3,5	–	N.2L	**CM75**	**MS1200**	**–**	T10
1098805	**NER2525M2**	25	25	32	150	15	3,5	25,4	N.2L	**CM75**	**MS1200**	**–**	T10
1098806	**NER2525M3**	25	25	32	150	22	5,3	50,8	N.3L	**CM73LP**	**–**	**MS2111**	25 IP
1098808	**NER2525M4**	25	25	35	150	24	6,4	50,8	N.4L	**CM73LP**	**–**	**MS2111**	25 IP
1098807	**NER3225P3**	32	25	32	170	22	3,8	50,8	N.3L	**CM73LP**	**–**	**MS2111**	25 IP
1098809	**NER3225P4**	32	25	35	170	24	6,4	50,8	N.4L	**CM73LP**	**–**	**MS2111**	25 IP
1098810	**NER3232P4**	32	32	40	170	24	6,4	50,8	N.4L	**CM73LP**	**–**	**MS2111**	25 IP
left hand													
1098874	**NEL1616H2**	16	16	20	100	15	3,5	–	N.2R	**CM74**	**MS1200**	**–**	T10
1098875	**NEL2020K2**	20	20	25	125	15	3,5	–	N.2R	**CM74**	**MS1200**	**–**	T10
1098876	**NEL2525M2**	25	25	32	150	15	3,5	25,4	N.2R	**CM74**	**MS1200**	**–**	T10
1098877	**NEL2525M3**	25	25	32	150	22	5,3	50,8	N.3R	**CM72LP**	**–**	**MS2111**	25 IP
1098879	**NEL2525M4**	25	25	35	150	24	6,4	50,8	N.4R	**CM72LP**	**–**	**MS2111**	25 IP
1098878	**NEL3225P3**	32	25	32	170	22	3,8	50,8	N.3R	**CM72LP**	**–**	**MS2111**	25 IP
1098880	**NEL3225P4**	32	25	35	170	24	6,4	50,8	N.4R	**CM72LP**	**–**	**MS2111**	25 IP
1098881	**NEL3232P4**	32	32	40	170	24	6,4	50,8	N.4R	**CM72LP**	**–**	**MS2111**	25 IP

NOTE: F dimension measured over sharp point of Top Notch-style threading insert.





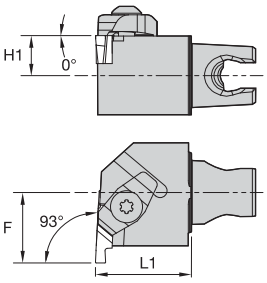


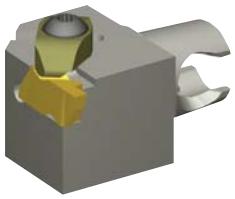
NS



order number	catalogue number	H	B	F	L1	LH	B4	CD	gage insert	clamp	clamp screw	clamp screw	hex (mm)/ Torx Plus
right hand													
1098790	**NSR1010E2**	10	10	14	70	19	9	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098791	**NSR1212F2**	12	12	16	80	19	9	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098792	**NSR1616H2**	16	16	20	100	19	9	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098793	**NSR2020K2**	20	20	25	125	19	9	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098795	**NSR2020K3**	20	20	25	125	32	13	5,3	N.3R	**CM72LP**	–	**MS2111**	25 IP
1098794	**NSR2525M2**	25	25	32	150	19	9	3,5	N.2R	**CM74**	**MS1200**	–	T10
1098796	**NSR2525M3**	25	25	32	150	32	13	5,3	N.3R	**CM72LP**	–	**MS2111**	25 IP
1098799	**NSR2525M4**	25	25	32	150	35	14	7,5	N.4R	**CM72LP**	–	**MS2111**	25 IP
1098797	**NSR3225P3**	32	25	32	170	32	13	5,3	N.3R	**CM72LP**	–	**MS2111**	25 IP
1098800	**NSR3225P4**	32	25	32	170	35	14	7,5	N.4R	**CM72LP**	–	**MS2111**	25 IP
1098798	**NSR3232P3**	32	32	40	170	32	13	5,3	N.3R	**CM72LP**	–	**MS2111**	25 IP
1098801	**NSR3232P4**	32	32	40	170	35	14	7,5	N.4R	**CM72LP**	–	**MS2111**	25 IP
left hand													
1098861	**NSL1010E2**	10	10	14	70	19	9	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098862	**NSL1212F2**	12	12	16	80	19	9	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098863	**NSL1616H2**	16	16	20	100	19	9	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098864	**NSL2020K2**	20	20	25	125	19	9	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098866	**NSL2020K3**	20	20	25	125	32	13	5,3	N.3L	**CM73LP**	–	**MS2111**	25 IP
1098865	**NSL2525M2**	25	25	32	150	19	9	3,5	N.2L	**CM75**	**MS1200**	–	T10
1098867	**NSL2525M3**	25	25	32	150	32	13	5,3	N.3L	**CM73LP**	–	**MS2111**	25 IP
1098870	**NSL2525M4**	25	25	32	150	35	14	7,5	N.4L	**CM73LP**	–	**MS2111**	25 IP
1098868	**NSL3225P3**	32	25	32	170	32	13	5,3	N.3L	**CM73LP**	–	**MS2111**	25 IP
1098871	**NSL3225P4**	32	25	32	170	35	14	7,5	N.4L	**CM73LP**	–	**MS2111**	25 IP
1098869	**NSL3232P3**	32	32	40	170	32	13	5,3	N.3L	**CM73LP**	–	**MS2111**	25 IP
1098872	**NSL3232P4**	32	32	40	170	35	14	7,5	N.4L	**CM73LP**	–	**MS2111**	25 IP

NOTE: F dimension measured over sharp point of Top Notch-style threading and grooving insert.

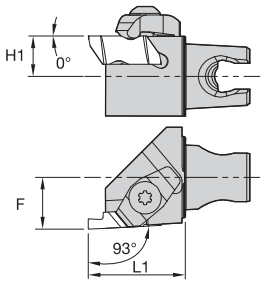


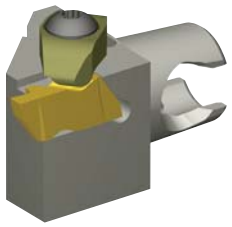


NE 93°

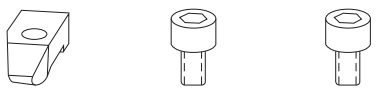


order number	catalogue number	L1	F	H1	gage insert	clamp	clamp screw	clamp screw
right hand								
2399462	**KM25NER230**	30	22	12,5	NG2L	**CM75**	**–**	**MS1200**
2399494	**KM25NER330**	30	22	12,5	NG3L	**CM73LP**	**MS2111**	**–**
2399496	**KM25NER430**	30	24	12,5	NG4L	**CM73LP**	**MS2111**	**–**
left hand								
2399495	**KM25NEL330**	30	22	12,5	NG3R	**CM72LP**	**MS2111**	**–**
2399497	**KM25NEL430**	30	24	12,5	NG4R	**CM72LP**	**MS2111**	**–**



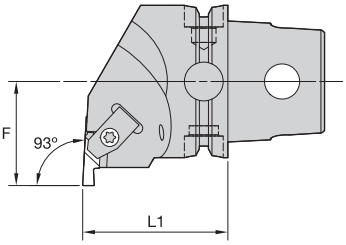


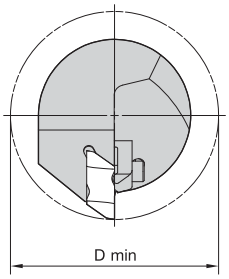
NS 93°

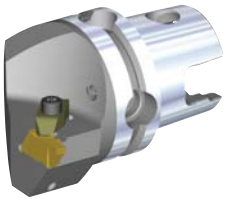


order number	catalogue number	L1	F	H1	gage insert	clamp	clamp screw	clamp screw
right hand								
2399498	**KM25NSR230**	30	16	12,5	NG2R	**CM74**	**–**	**MS1200**
2399500	**KM25NSR330**	30	16	12,5	NG3R	**CM72LP**	**MS2111**	**–**
left hand								
2399499	**KM25NSL230**	30	16	12,5	NG2L	**CM75**	**–**	**MS1200**
2399501	**KM25NSL330**	30	16	12,5	NG3L	**CM73LP**	**MS2111**	**–**
2399503	**KM25NSL430**	30	16	12,5	NG4L	**CM213LP**	**MS2111**	**–**



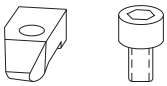




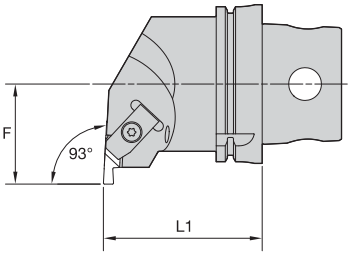


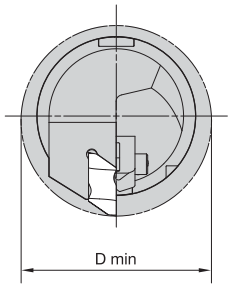
KM QUICK CHANGE

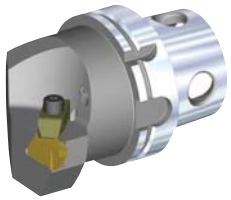
NE 93°



order number	catalogue number	L1 mm	L1 in	F mm	F in	D min mm	D min in	gage insert	clamp	clamp screw	kg	lbs
right hand												
3902285	**KM40TSNER2**	40	1.575	27	1.063	54	2.126	NG2L	**CM75**	**MS1488**	0,30	.66
3902286	**KM40TSNER3**	40	1.575	27	1.063	54	2.126	NG3L	**CM73**	**MS1489**	0,30	.67
3902287	**KM40TSNER4**	40	1.575	27	1.063	54	2.126	NG4L	**CM73**	**MS1489**	0,30	.65
left hand												
3902132	**KM40TSNEL2**	40	1.575	27	1.063	54	2.126	NG2R	**CM74**	**MS1488**	0,30	.66
3902283	**KM40TSNEL3**	40	1.575	27	1.063	54	2.126	NG3R	**CM-72**	**MS1489**	0,30	.67
3902284	**KM40TSNEL4**	40	1.575	27	1.063	54	2.126	NG4R	**CM-72**	**MS1489**	0,30	.65







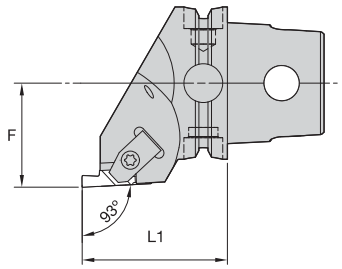
NE

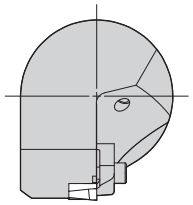


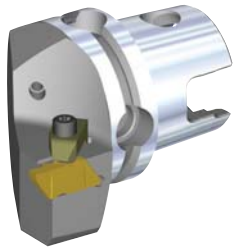


order number	catalogue number	L1 mm	L1 in	F mm	F in	D min mm	D min in	gage insert	clamp	clamp screw	kg	lbs
right hand												
5337758	**KM4X100NER3**	100	3.937	63	2.480	120	4.724	NG3L	**CM73**	**MS1489**	4,45	9.80
5337759	**KM4X100NER4**	100	3.937	63	2.480	120	4.724	NG4L	**CM73**	**MS1489**	4,51	9.93
5337770	**KM4X100NER5**	100	3.937	63	2.480	120	4.724	NG5L	**CM81**	**MS1490**	4,65	10.25
5337771	**KM4X100NER6**	100	3.937	63	2.480	120	4.724	NG6L	**CM121**	**MS1489**	4,48	9.88
left hand												
5337754	**KM4X100NEL3**	100	3.937	63	2.480	120	4.724	NG3R	**CM-72**	**MS1489**	4,45	9.80
5337755	**KM4X100NEL4**	100	3.937	63	2.480	120	4.724	NG4R	**CM-72**	**MS1489**	4,51	9.93
5337756	**KM4X100NEL5**	100	3.937	63	2.480	120	4.724	NG5R	**CM80**	**MS1490**	4,65	10.25
5337757	**KM4X100NEL6**	100	3.937	63	2.480	120	4.724	NG6R	**CM120**	**MS1489**	4,48	9.88



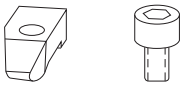






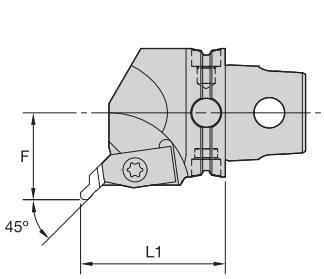
KM QUICK CHANGE

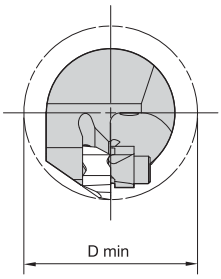
NS 93°

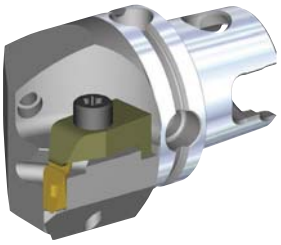


order number	catalogue number	L1 mm	L1 in	F mm	F in	gage insert	clamp	clamp screw	kg	lbs
right hand										
3902293	**KM40TSNSR2**	40	1.575	27	1.063	NG2R	**CM74**	**MS1488**	0,32	.70
3902294	**KM40TSNSR3**	47	1.850	27	1.063	NG3R	**CM-72**	**MS1489**	0,32	.71
3902295	**KM40TSNSR4**	47	1.850	27	1.063	NG4R	**CM-72**	**MS1489**	0,30	.66
left hand										
3902290	**KM40TSNSL2**	40	1.575	27	1.063	NG2L	**CM75**	**MS1488**	0,32	.70
3902291	**KM40TSNSL3**	47	1.850	27	1.063	NG3L	**CM73**	**MS1489**	0,33	.72
3902292	**KM40TSNSL4**	47	1.850	27	1.063	NG4L	**CM73**	**MS1489**	0,30	.66



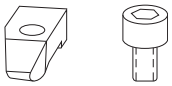






KM QUICK CHANGE

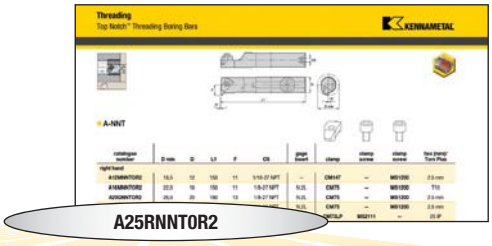
NR 45°



order number	catalogue number	L1 mm	L1 in	F mm	F in	D min mm	D min in	gage insert	clamp	clamp screw	kg	lbs
right hand												
3902289	**KM40TSNRR3045M**	45	1.772	27	1.063	54	2.126	NU3L	**CM73**	**MS1489**	0,34	.75
left hand												
3902288	**KM40TSNRL3045M**	45	1.772	27	1.063	54	2.126	NU3R	**CM-72**	**MS1489**	0,33	.74

How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



A25RNNT0R2

A	25	R	N	N	T	0	R	2
Bar Type	Bar Diameter	Bar Length	Insert Holding Method	Insert Shape	Insert Location	Rake Angle 0 = 0°	Hand of Tool	Insert Size

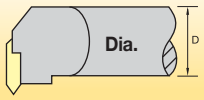
Bar Type

Steel with coolant



Bar Diameter

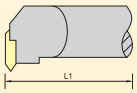
Bar in millimetres



Bar Length

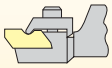
Bars

K = 125,0mm
M = 150,0mm
Q = 180,0mm
R = 200,0mm
S = 250,0mm
T = 300,0mm
U = 350,0mm



Insert Holding Method

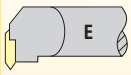
N —
Top Notch*



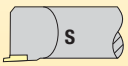
*Proprietary standard only.

Insert Location

End mount

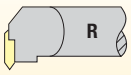


Side mount



Hand of Tool

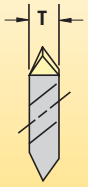
Right hand



Left hand



Insert Size



insert size	T
2	3,81
3	4,95
4	6,98
5	9,65
6	9,73
8	11,13

Beyond™ Top Notch™ Profiling



Top Notch is the proven solution for high productivity. The Top Notch system provides consistent tool performance, accurate indexing, and superior clamping to provide excellent surface finishing and superior tool life.

FEATURES AND BENEFITS

Higher Productivity and Profitability

- Lower cutting forces increase speeds and reduce cycle time.
- Extended tool life.

Reliability

- Predictable tool life/uniform wear.
- Resists chip flow damage.
- Consistent surface finish.

Versatility

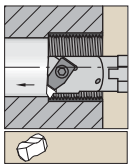
- Products can be applied across a wide range of applications.
- Use in low- to high-speed applications.
- Complete portfolio of products.
- For finish to rough turning of steel, cast iron, stainless steel, and high-temp alloys.



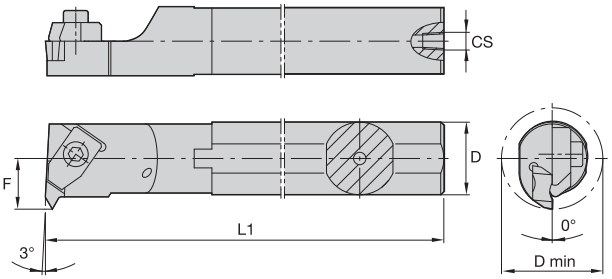
Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com.**

KENNAMETAL®

kennametal.com

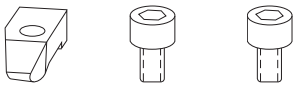


Steel shank with through coolant.



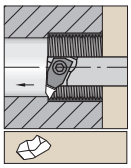


A-NNT

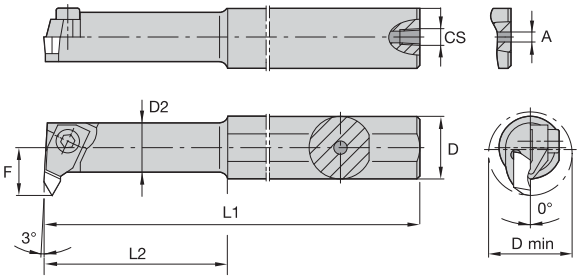


order number	catalogue number	D min	D	L1	F	CS	gage insert	clamp	clamp screw	clamp screw	hex (mm)/ Torx Plus
right hand											
1098945	**A12MNNTOR2**	18,5	12	150	11	1/16-27 NPT	–	**CM147**	–	**MS1200**	2.5 mm
1098947	**A16MNNTOR2**	22,0	16	150	11	1/8-27 NPT	N.2L	**CM75**	–	**MS1200**	T10
1098949	**A20QNNTOR2**	26,0	20	180	13	1/8-27 NPT	N.2L	**CM75**	–	**MS1200**	2.5 mm
1098951	**A25RNNTOR2**	34,0	25	200	17	1/4-18 NPT	N.2L	**CM75**	–	**MS1200**	2.5 mm
1098953	**A25RNNTOR3**	34,0	25	200	17	1/8 - 27 NPT	N.3L	**CM73LP**	**MS2111**	–	25 IP
1098955	**A32SNNTOR3**	44,0	32	250	22	1/4-18 NPT	N.3L	**CM73LP**	**MS2111**	–	25 IP
1098957	**A40TNNTOR3**	54,0	40	300	27	1/4-18 NPT	N.3L	**CM73LP**	**MS2111**	–	25 IP
1099001	**A40TNNTOR4**	54,0	40	300	27	1/4-18 NPT	N.4L	**CM73LP**	**MS2111**	–	25 IP
1099003	**A50UNNTOR4**	70,0	50	350	35	1/4-18 NPT	N.4L	**CM73LP**	**MS2111**	–	25 IP
left hand											
1098946	**A12MNNTOL2**	18,5	12	150	11	1/16-27 NPT	NG2R	**CM146**	–	**MS1200**	2.5 mm
1098948	**A16MNNTOL2**	22,0	16	150	11	1/8-27 NPT	N.2R	**CM74**	–	**MS1200**	T10
1098950	**A20QNNTOL2**	26,0	20	180	13	1/8-27 NPT	NG2R	**CM74**	–	**MS1200**	2.5 mm
1098952	**A25RNNTOL2**	34,0	25	200	17	1/4-18 NPT	N.2R	**CM74**	–	**MS1200**	2.5 mm
1098954	**A25RNNTOL3**	34,0	25	200	17	1/4-18 NPT	N.3R	**CM72LP**	**MS2111**	–	25 IP
1098956	**A32SNNTOL3**	44,0	32	250	22	1/4-18 NPT	N.3R	**CM72LP**	**MS2111**	–	25 IP
1098958	**A40TNNTOL3**	54,0	40	300	27	1/4-18 NPT	N.3R	**CM72LP**	**MS2111**	–	25 IP
1099002	**A40TNNTOL4**	54,0	40	300	27	1/4-18 NPT	N.4R	**CM72LP**	**MS2111**	–	25 IP

NOTE: Minimum bore diameter (D min) capability varies with thread type and pitch. See page D102 for details.
F dimension measured over sharp point of NG-style grooving insert.

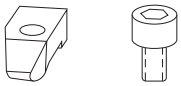


Necked steel shank with through coolant.



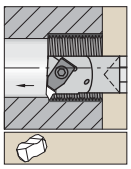


A-NNT -1

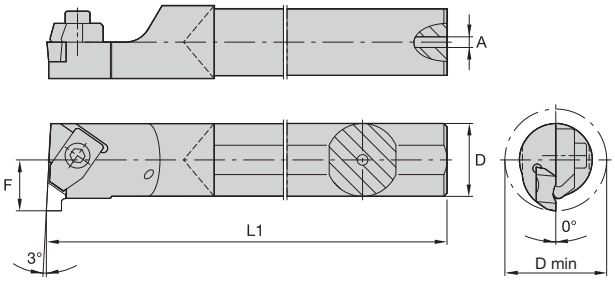


order number	catalogue number	D min	D	HDD	L1	L2	F	A	CS	gage insert	clamp	clamp screw	hex (mm)
right hand													
1098943	**A10KNNTOR1**	11,5	10	10,0	125	—	7	3,2	—	NG1L	**CM109**	**MS1034**	1.5 mm
1098944	**A12MNNTOR1**	11,5	12	10,0	150	31,30	7	4,0	1/16-27 NPT	N.1L	**CM109**	**MS1034**	1.5 mm

NOTE: F dimension measured over sharp point of Top Notch style threading insert.

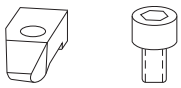


Carbide shank with through coolant.





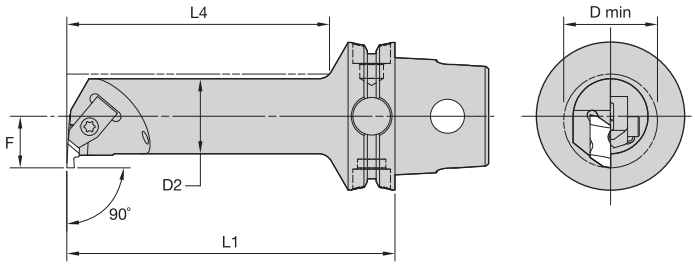
E-NNT

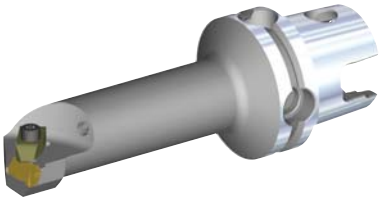


order number	catalogue number	D min	D	L1	F	A	gage insert	clamp	clamp screw	Torx/ Torx Plus
right hand										
1152834	**E16RNNTOR2**	22	16	200	11	5,5	N.2L	**CM75**	**MS1200**	T10
1152836	**E20SNNTOR2**	26	20	250	13	7,1	N.2L	**CM75**	**MS1200**	T10
left hand										
1152835	**E16RNNTOL2**	22	16	200	11	5,5	N.2R	**CM74**	**MS1200**	T10

NOTE: Minimum bore diameter (D min) capability varies with thread type and pitch. See page D102 for details.
F dimension measured over sharp point of Top Notch style threading insert.







KM QUICK CHANGE

NE 90° • Steel

order number	catalogue number	D2 mm	D2 in	D min mm	D min in	F mm	F in	L4 mm	L4 in	L1 mm	L1 in	gage insert	kg	lbs
right hand														
3955481	**KM40TSS12ENER2**	12	.472	19	.73	11	.433	42	1.655	70	2.756	NG2L	0,27	.58
3955483	**KM40TSS16FNER2**	16	.630	20	.79	11	.433	56	2.209	80	3.150	NG2L	0,28	.62
3955485	**KM40TSS20GNER2**	20	.787	25	.98	13	.512	70	2.757	90	3.543	NG2L	0,35	.76
3955487	**KM40TSS25ENER2**	25	.984	32	1.26	17	.669	55	2.169	70	2.756	NG2L	0,34	.75
3955491	**KM40TSS25ENER3**	25	.984	34	1.34	17	.669	55	2.169	70	2.756	NG3L	0,35	.77
3955489	**KM40TSS25HNER2**	25	.984	32	1.26	17	.669	75	2.954	100	3.937	NG2L	0,49	1.08
3955493	**KM40TSS25HNER3**	25	.984	34	1.34	17	.669	75	2.954	100	3.937	NG3L	0,49	1.09
3955497	**KM40TSS32GNER3**	32	1.260	40	1.57	22	.866	76	2.993	90	3.543	NG3L	0,55	1.21
3955495	**KM40TSS32JNER3**	32	1.260	40	1.57	22	.866	96	3.780	110	4.331	NG3L	0,67	1.48
left hand														
3955480	**KM40TSS12ENEL2**	12	.472	19	.73	11	.433	42	1.655	70	2.756	NG2R	0,27	.59
3955482	**KM40TSS16FNEL2**	16	.630	20	.79	11	.433	56	2.209	80	3.150	NG2R	0,28	.62
3955484	**KM40TSS20GNEL2**	20	.787	25	.98	13	.512	70	2.757	90	3.543	NG2R	0,35	.76
3955486	**KM40TSS25ENEL2**	25	.984	32	1.26	17	.669	55	2.169	70	2.756	NG2R	0,34	.75
3955490	**KM40TSS25ENEL3**	25	.984	34	1.34	17	.669	55	2.169	70	2.756	NG3R	0,35	.77
3955492	**KM40TSS25HNEL3**	25	.984	34	1.34	17	.669	75	2.954	100	3.937	NG3R	0,49	1.09
3955496	**KM40TSS32GNEL3**	32	1.260	40	1.57	22	.866	76	2.993	90	3.543	NG3R	0,55	1.21

(continued)

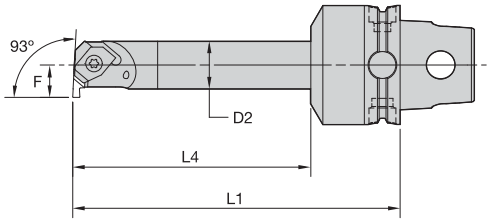
(NE 90° • Steel — continued)

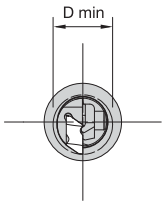
Spare Parts

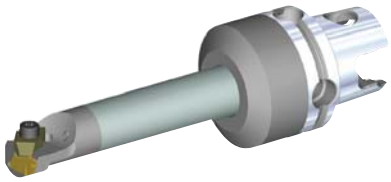



catalogue number	clamp	clamp screw
right hand		
KM40TSS12ENER2	CM147	MS1488
KM40TSS16FNER2	CM147	MS1488
KM40TSS20GNER2	CM75	MS1488
KM40TSS25ENER2	CM75	MS1488
KM40TSS25ENER3	CM73	MS1489
KM40TSS25HNER2	CM75	MS1488
KM40TSS25HNER3	CM73	MS1489
KM40TSS32GNER3	CM73	MS1489
KM40TSS32JNER3	CM73	MS1489
left hand		
KM40TSS12ENEL2	CM146	MS1488
KM40TSS16FNEL2	CM146	MS1488
KM40TSS20GNEL2	CM74	MS1488
KM40TSS25ENEL2	CM74	MS1488
KM40TSS25ENEL3	CM-72	MS1489
KM40TSS25HNEL3	CM-72	MS1489
KM40TSS32GNEL3	CM-72	MS1489









KM QUICK CHANGE

NE 90° • Carbide

order number	catalogue number	D2 mm	D2 in	D min mm	D min in	F mm	F in	L4 mm	L4 in	L1 mm	L1 in	gage insert	kg	lbs
right hand														
3951836	**KM40TSE16JNER2**	16	.630	20	.79	11	.433	80	3.15	110	4.331	NG2L	0,41	.90
left hand														
3951835	**KM40TSE16JNEL2**	16	.630	20	.79	11	.433	80	3.15	110	4.331	NG2R	0,41	.90

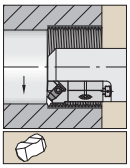
Spare Parts

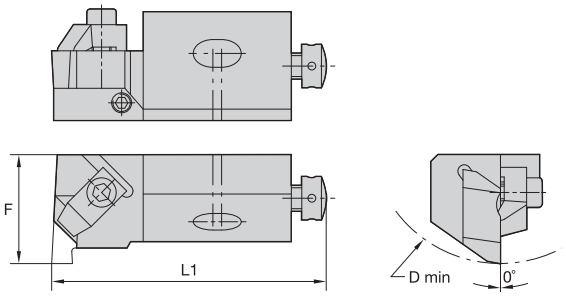




catalogue number	clamp	clamp screw
right hand		
KM40TSE16JNER2	**CM146**	**MS1488**
left hand		
KM40TSE16JNEL2	**CM147**	**MS1488**





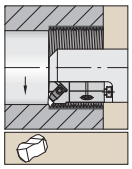


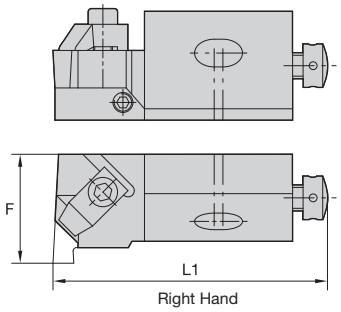
Steel Boring Cartridge



order number	catalogue number	D min	F	L1	gage insert	clamp	clamp screw	hex (mm)	radial adjusting screw	hex (mm)	axial screw	hex (mm)	washer
right hand													
1098380	**NER12CA2**	50	20	55,7	N.2L	**CM75**	**MS1025**	2.5 mm	**KUAM23**	2.5 mm	**KUAM31**	2.5 mm	**CSWM 060 050**
left hand													
1098624	**NEL12CA2**	50	20	55,0	N.2R	**CM74**	**MS1025**	2.5 mm	**KUAM23**	2.5 mm	**KUAM31**	2.5 mm	**CSWM 060 050**
1098626	**NEL25CA3**	100	32	100,0	N.3R	**CM72LP**	**MS412**	4 mm	**KUAM26**	4 mm	**KUAM33**	4 mm	**CSWM 100 080**

NOTE: Minimum bore diameter (D min) capability varies with thread type and pitch. See page D102 for details.
F dimension measured over sharp point of Top Notch-style threading insert.







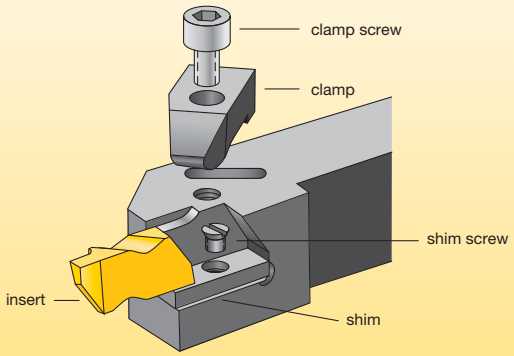
Steel Boring Cartridge



order number	catalogue number	D min	F	L1	gage insert	clamp	clamp screw	hex (mm)	radial adjusting screw	hex (mm)	axial screw	hex (mm)	washer
right hand													
1098380	**NER12CA2**	50	20	55,7	N.2L	**CM75**	**MS1025**	2.5 mm	**KUAM23**	2.5 mm	**KUAM31**	2.5 mm	**CSWM 060 050**
left hand													
1098624	**NEL12CA2**	50	20	55,0	N.2R	**CM74**	**MS1025**	2.5 mm	**KUAM23**	2.5 mm	**KUAM31**	2.5 mm	**CSWM 060 050**
1098626	**NEL25CA3**	100	32	100,0	N.3R	**CM72LP**	**MS412**	4 mm	**KUAM26**	4 mm	**KUAM33**	4 mm	**CSWM 100 080**

NOTE: Minimum bore diameter (D min) capability varies with thread type and pitch. See page D102 for details.
F dimension measured over sharp point of Top Notch style threading insert.

Toolholders and Boring Bars



insert size and style	clamp	clamp screw	shim	shim screw
NG-1L	CM-109	S-304	–	–
NG-2R	CM-182	S-310	–	–
NG-2L	CM-183	S-310	–	–
NG-2R	CM-74	S-310	–	–
NG-2L	CM-75	S-310	–	–
NG-3R	CM-184	S-412	–	–
NG-3L	CM-185	S-412	–	–
NG-3R	CM-72	S-412	–	–
NG-3L	CM-73	S-412	–	–
NG-3R*	CM-78	S-412	–	–
NG-3L*	CM-70	S-412	–	–
NG-4R	CM-72	S-412	SM-420	SL-344
NG-4L	CM-73	S-412	SM-420	SL-344
NG-5R	CM-80	S-352	–	–
NG-5L	CM-81	S-352	–	–
NG-6R	CM-120	S-412	SM-416	S-111
NG-6L	CM-121	S-412	SM-416	S-111
NG-8R	CM-144	S-422	SM-419	S-112
NG-8L	CM-145	S-422	SM-419	S-112
NG-8R**	CM-144	S-422	SM-427	S-111
NG-8L**	CM-145	S-422	SM-427	S-111
Top Notch relief grooving				
NU-3125R	CM-72	S-412	–	–
NU-3125L	CM-73	S-412	–	–
NU-3125R**	CM-72	S-618	–	–
NU-3125L**	CM-73	S-618	–	–

*25mm diameter boring head.
**Boring head.

LT • Laydown Triangle Threading

Primary Application

Laydown triangle (LT) threading is the system of choice for fine-pitch threads, high-helix/multistart threads, and single-point threading in small-diameter bores. With a wide selection of CB-style chip control inserts, you will receive superior chip management for excellent surface finishes and minimal operator intervention. The low-profile design enables unrestricted chip flow — ideal for I.D. threads. Variable shim angles enable proper cutting geometry for high-helix angle and reverse helix angle threading, maximising tool life and improving thread quality.

Features and Benefits

Precision-Ground Thread Form on LT and LT-CB

- Minimises built-up edge.
- Precisely cuts most common materials.
- Reduces cutting forces.
- Ensures accurate, high-quality threads.

KC5010™ and KC5025™ Premium PVD TiAlN-Coated Grades

- Increase tool life at existing machining conditions.
- Increase productivity by outperforming conventional PVD grades with up to a 30% advantage in cutting speeds.

Superior Chip Control

- Eliminates long, troublesome coils.
- Excellent for internal threading operations.
- Available in both partial and full profile inserts for all common thread forms.

Kenna Universal™ Inserts

- Precision moulded LT-K thread form provides outstanding utility and value.
- Excellent chip control combined with the KU25T™ grade enables trouble-free threading on a variety of workpiece materials.


KENNAMETAL S20SLSER16 NX4

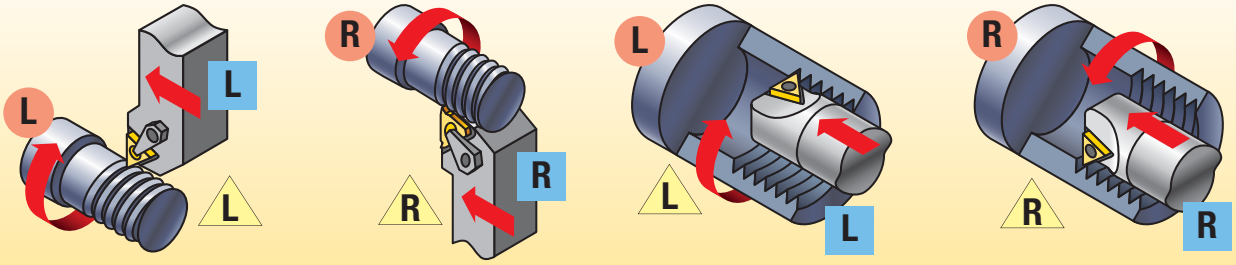
Step 1 • Select Threading Method and Hand of Tooling

Required Information:
- External/internal operation.
- Spindle rotation/hand of thread.
- Feed direction.



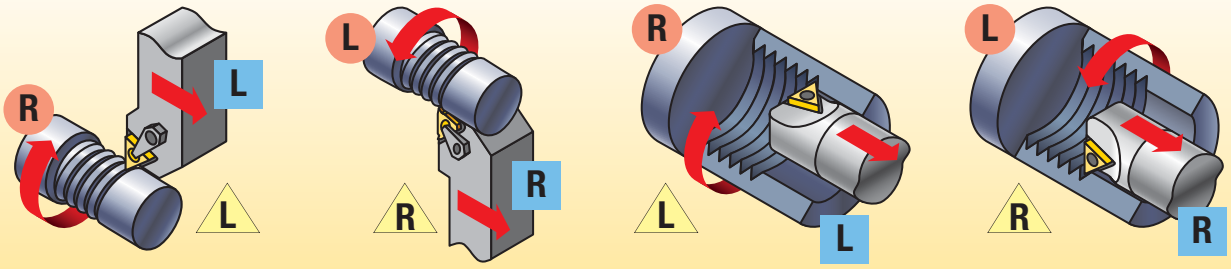
hand of thread | hand of toolholder | hand of insert

Feed direction toward the chuck • standard helix • RECOMMENDED



external left-hand thread | external right-hand thread | internal left-hand thread | internal right-hand thread

Feed direction away from the chuck • reverse helix*



external right-hand thread | external left-hand thread | internal right-hand thread | internal left-hand thread

**Negative shim required*

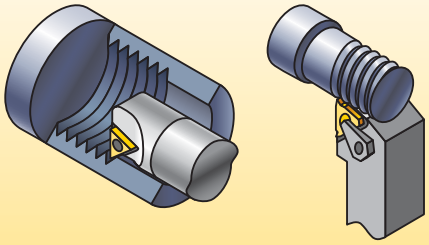
Step 2 • Select Holder from Catalogue Page

Required Information:
- External/internal operation.
- Minimum bore diameter (for internal operations).
- Hand of tool.
- Insert size (gage insert).

The insert size must match the gage insert size of your toolholder selection:

catalogue number	gage insert	minimum bore diameter	shim
S0812LSER2	2IRA60	16,5mm	SM-YI3
S2020LSER3	3IR...	36,8mm	SM-YI3

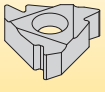
Select the appropriate holder for the insert size and hand:



Step 3 • Choose Insert for Application

- Select cresting inserts for fully controlled thread form including diameter.
- Cresting inserts eliminate the need for deburring and are optimised for the best tool life at that pitch.
- Non-cresting partial profile inserts offer the flexibility to cut a variety of thread pitches with one insert.
- Note insert size for toolholder selection.

NOTE: See threading insert overview on page D50.



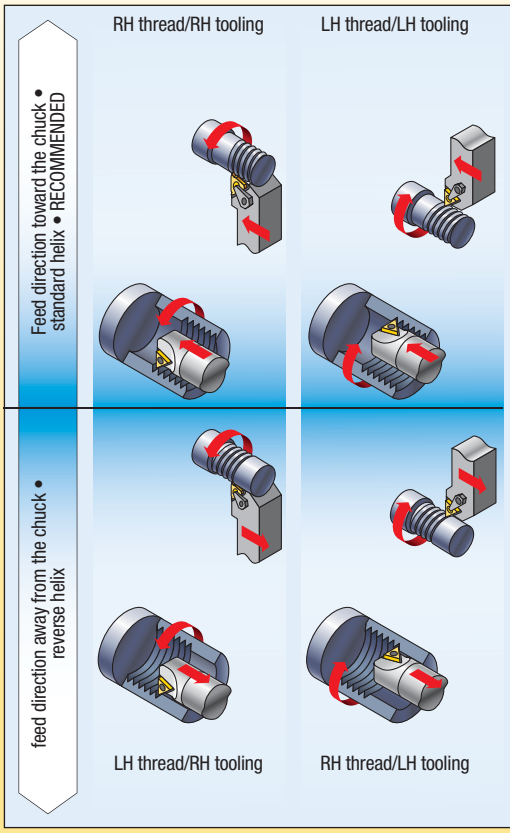
insert size	catalogue number	KCU25/KC5025
11	**2IRA60**	•
16	**3IRAG60**	•

Step 4 • Select Appropriate Shim

Required Information:

- Thread form (TPI or pitch).
- Pitch diameter.
- Helix method (hand of tool, feed direction, hand of thread).
- Number of starts.

Select the proper shim: SMYE... for external RH or internal LH
SMYI... for internal RH or external LH



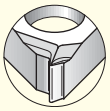
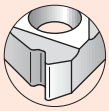
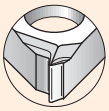
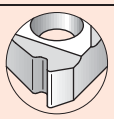
insert size	toolholder external	toolholder internal	shim ordering code (inch)							
						standard				
3 (3/8")	RH	LH	SM-YE3-3P	SM-YE3-2P	SM-YE3-1P	SM-YE3	SM-YE3-1N	SM-YE3-1.5N	SM-YE3-2N	SM-YE3-3N
3 (3/8")	LH	RH	SM-YI3-3P	SM-YI3-2P	SM-YI3-1P	SM-YI3	SM-YI3-1N	SM-YI3-1.5N	SM-YI3-2N	SM-YI3-3N
4 (1/2")	RH	LH	SM-YE4-3P	SM-YE4-2P	SM-YE4-1P	SM-YE4	SM-YE4-1N	SM-YE4-1.5N	SM-YE4-2N	SM-YE4-3N
4 (1/2")	LH	RH	SM-YI4-3P	SM-YI4-2P	SM-YI4-1P	SM-YI4	SM-YI4-1N	SM-YI4-1.5N	SM-YI4-2N	SM-YI4-3N
TPI		pitch (mm)	pitch diameter (inch)							
72		–	–	–	–	0.12–0.31	0.32–0.84	>0.84	0.84–0.32	0.31–0.12
–		0,35	–	–	–	0.12–0.3	0.31–0.84	>0.84	0.84–0.31	0.3–0.12
64		–	–	–	–	0.14–0.35	0.36–0.95	>0.95	0.95–0.36	0.35–0.14
–		0,40	–	–	–	0.14–0.35	0.36–0.96	>0.96	0.96–0.36	0.35–0.14
56		0,45	–	–	–	0.16–0.4	0.41–1.09	>1.09	1.09–0.41	0.4–0.16
–		0,50	–	–	0.11–0.16	0.17–0.44	0.45–1.2	>1.20	1.2–0.45	0.44–0.17
48		–	–	–	0.12–0.17	0.18–0.46	0.47–1.27	>1.27	1.27–0.47	0.46–0.18
44		–	–	–	0.13–0.19	0.2–0.51	0.52–1.38	>1.38	1.38–0.52	0.51–0.2
–		0,60	–	0.1–0.12	0.13–0.2	0.21–0.53	0.54–1.44	>1.44	1.44–0.54	0.53–0.21
40		–	–	0.11–0.13	0.14–0.21	0.22–0.56	0.57–1.52	>1.52	1.52–0.57	0.56–0.22
–		0,70	–	0.12–0.15	0.16–0.23	0.24–0.62	0.63–1.68	>1.68	1.68–0.63	0.62–0.24
36		–	–	0.12–0.15	0.16–0.23	0.24–0.62	0.63–1.69	>1.69	1.69–0.63	0.62–0.24
–		0,75	0.11–0.12	0.13–0.16	0.17–0.25	0.26–0.66	0.67–1.8	>1.80	1.8–0.67	0.66–0.26
32		–	0.12–0.13	0.14–0.17	0.18–0.26	0.27–0.7	0.71–1.9	>1.90	1.9–0.71	0.7–0.27
–		0,80	0.12–0.13	0.14–0.17	0.18–0.26	0.27–0.71	0.72–1.91	>1.91	1.91–0.72	0.71–0.27
28		–	0.14–0.14	0.15–0.19	0.2–0.3	0.31–0.8	0.81–2.17	>2.17	2.17–0.81	0.8–0.31
27		–	0.14–0.15	0.16–0.2	0.21–0.31	0.32–0.83	0.84–2.25	>2.25	2.25–0.84	0.83–0.32
–		1,00	0.15–0.16	0.17–0.21	0.22–0.33	0.34–0.89	0.9–2.39	>2.39	2.39–0.9	0.89–0.34
24		–	0.16–0.17	0.18–0.23	0.24–0.35	0.36–0.94	0.95–2.53	>2.53	2.53–0.95	0.94–0.36
–		1,25	0.19–0.2	0.21–0.27	0.28–0.42	0.43–1.11	1.12–2.99	>2.99	2.99–1.12	1.11–0.43
20		–	0.19–0.21	0.22–0.27	0.28–0.42	0.43–1.13	1.14–3.04	>3.04	3.04–1.14	1.13–0.43
18		–	0.21–0.23	0.24–0.31	0.32–0.47	0.48–1.26	1.277–3.38	>3.38	3.38–1.27	1.26–0.48
–		1,50	0.22–0.25	0.26–0.33	0.34–0.5	0.51–1.34	1.35–3.59	>3.59	3.59–1.35	1.34–0.51
16		–	0.24–0.26	0.27–0.35	0.36–0.53	0.54–1.41	1.42–3.8	>3.80	3.8–1.42	1.41–0.54
–		1,75	0.26–0.29	0.3–0.38	0.39–0.59	0.6–1.56	1.57–4.19	>4.19	4.19–1.57	1.56–0.6
14		–	0.27–0.3	0.31–0.4	0.41–0.61	0.62–1.62	1.63–4.34	>4.34	4.34–1.63	1.62–0.62
13		–	0.29–0.32	0.33–0.43	0.44–0.66	0.67–1.74	1.75–4.68	>4.68	4.68–1.75	1.74–0.67
–		2,00	0.3–0.33	0.34–0.44	0.45–0.67	0.68–1.78	1.79–4.79	>4.79	4.79–1.79	1.78–0.68
12		–	0.32–0.35	0.36–0.46	0.47–0.71	0.72–1.89	1.9–5.07	>5.07	5.07–1.9	1.89–0.72
11.5		–	0.33–0.37	0.38–0.49	0.5–0.74	0.75–1.97	1.98–5.29	>5.29	5.29–1.98	1.97–0.75
11		–	0.34–0.38	0.39–0.51	0.52–0.78	0.79–2.06	2.07–5.53	>5.53	5.53–2.07	2.06–0.79
–		2,50	0.37–0.42	0.43–0.55	0.56–0.84	0.85–2.23	2.24–5.98	>5.98	5.98–2.24	2.23–0.85
10		–	0.38–0.42	0.43–0.56	0.57–0.86	0.87–2.27	2.28–6.08	>6.08	6.08–2.28	2.27–0.87
9		–	0.42–0.47	0.48–0.62	0.63–0.95	0.96–2.52	2.53–6.75	>6.75	6.75–2.53	2.52–0.96
–		3,00	0.45–0.5	0.51–0.66	0.67–1.02	1.03–2.68	2.69–7.18	>7.18	7.18–2.69	2.68–1.03
8		–	0.47–0.53	0.54–0.7	0.71–1.08	1.09–2.84	2.85–7.6	>7.60	7.6–2.85	2.84–1.09
–		3,50	0.52–0.59	0.6–0.77	0.78–1.19	1.2–3.13	3.14–8.38	>8.38	8.38–3.14	3.13–1.2
7		–	0.524–0.61	0.62–0.8	0.81–1.23	1.24–3.25	3.26–8.68	>8.68	8.68–3.26	3.25–1.24
–		4,00	0.6–0.67	0.68–0.89	0.9–1.36	1.37–3.58	3.59–9.57	>9.57	9.57–3.59	3.58–1.37
6		–	0.63–0.71	0.72–0.94	0.95–1.44	1.45–3.79	3.8–10.13	>10.13	10.13–3.8	3.79–1.45
–		5,00	0.75–0.84	0.85–1.11	1.12–1.7	1.71–4.48	4.49–11.97	>11.97	11.97–4.49	4.48–1.71
5		–	0.76–0.86	0.87–1.13	1.14–1.73	1.74–4.55	4.56–12.16	>12.16	12.16–4.56	4.55–1.74
4.5		–	0.84–0.95	0.96–1.26	1.27–1.92	1.93–5.06	5.07–13.51	>13.51	13.51–5.07	5.06–1.93
–		6,00	0.9–1.01	1.02–1.33	1.34–2.04	2.05–5.37	5.38–14.36	>14.36	14.36–5.38	5.37–2.05
4		–	0.95–1.07	1.08–1.41	1.42–2.16	2.17–5.69	5.7–15.2	>15.20	15.2–5.7	5.69–2.17
inclination angle			4.5	3.5	2.5	1.5	0.5	0.0	-0.5	-1.5
			standard helix (feed toward the chuck)						reverse helix (feed away from the chuck)	

If recommended shim is different from shim supplied with toolholder, order shim separately.

NOTE: Optimise your threading operation by using the proper infeed angle and the recommended infeed values.
See the Technical Section on pages D88–D110.
Also see detailed shim selection information on pages D109–D110.

Step 5 • Select Grade and Speed

Recommendations for Grade and Speed Selection – m/min

	workpiece material	P	M	K	N	S
Kenna Perfect™	insert style	CB chipbreaker			CB chipbreaker	
	optimum cutting conditions	**KC5010** 70–260	**KC5010** 90–245	**KC5010** 60–245	**KC5010** 90–550	**KC5010** 30–150
	first choice	**KC5025** 50–230	**KC5025** 75–230	**KC5025** 50–180	**KC5025** 60–455	**KC5025** 20–120
Kenna Universal™	insert style	-K chipbreaker				
	selection	**KU25T** 45–210	**KU25T** 70–205	**KU25T** 45–160	**KU25T** 55–410	**KU25T** 20–110

NOTE: See threading insert overview on page D50.

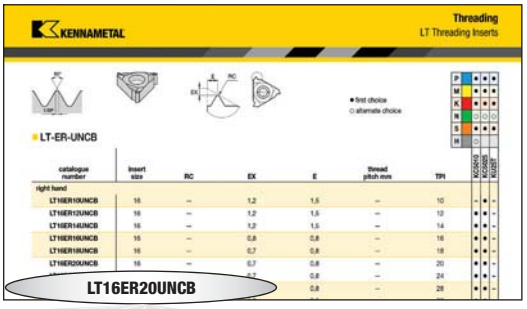
Recommended Starting Speeds [m/min]

Material Group		KC5010			KC5025			KU25T		
P	0–1	135	**200**	260	105	**165**	230	95	**150**	210
	2	130	**190**	245	100	**150**	200	90	**135**	180
	3	105	**155**	200	75	**125**	170	70	**115**	155
	4	70	**120**	160	60	**95**	130	55	**85**	115
	5	105	**155**	200	75	**130**	170	70	**115**	155
	6	70	**120**	160	50	**90**	130	45	**80**	115
M	1	120	**180**	245	90	**170**	230	80	**155**	205
	2	90	**165**	210	75	**140**	200	70	**125**	180
	3	90	**165**	210	75	**135**	200	70	**120**	180
K	1	120	**180**	245	90	**135**	180	80	**120**	160
	2	90	**150**	210	70	**120**	170	65	**110**	155
	3	60	**105**	150	50	**85**	120	45	**75**	110
N	1–2	150	**365**	550	120	**305**	455	110	**275**	410
	3	90	**135**	180	60	**105**	150	55	**95**	135
	4	120	**305**	455	100	**200**	305	90	**180**	275
	5	90	**165**	245	70	**135**	195	65	**120**	175
	6	120	**210**	305	100	**170**	245	90	**155**	220
S	1	30	**70**	105	20	**40**	60	20	**35**	55
	2	30	**65**	100	20	**35**	45	20	**30**	40
	3	30	**65**	100	20	**35**	45	20	**30**	40
	4	55	**105**	150	45	**85**	120	40	**75**	110
H	1	30	**45**	60	–	**–**	–	–	**–**	–
	2	15	**30**	45	–	**–**	–	–	**–**	–
	3	–	**–**	–	–	**–**	–	–	**–**	–
	4	–	**–**	–	–	**–**	–	–	**–**	–

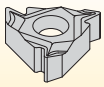
NOTE: FIRST choice starting speeds are in **bold** type.

How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding image to easily identify which attributes apply.



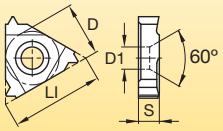
LT — Type of Insert



LT = Laydown triangle threading

16 — Cutting Edge Length *(Size)*

insert size	LI (mm)	D (mm)	S (mm)	D1 (mm)
11	11,0	6,35	3,20	3,25
16	16,5	9,52	3,63	3,94
22	22,0	12,70	4,78	4,88



ER — Hand of Insert

ER = External right hand

EL = External left hand

NR = Internal right hand

NL = Internal left hand

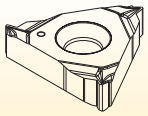
20 — Thread Pitch

partial profile		
designation	**thread pitch (mm)**	**TPI**
A	0,50–1,5	48–16
AG	0,50–3,0	48–8
G	1,75–3,0	14–8
N	3,50–5,0	7–5
full profile		
actual TPI or pitch in mm is designated	0,5–4,0	48–8

UN — Thread Profile

ISO = ISO metric 60°
UN = American UN 60°
60 = Partial profile non-cresting 60°
55 = Partial profile non-cresting 55°
W = Whitworth 55°
BSPT = British Standard Pipe Thread 55°
NPT = American National Pipe Thread 60°
ACME = American Acme
STACME = American Stub Acme
TR = Trapez DIN 103
RD = Round DIN 405
UNJ = Controlled root radius 60°
NPTF = Dryseal 60°
API = American Petroleum Institute Threads
BUT = API Buttress Casing
APIRD = API Round

CB — Chip Control



☐ = Flat top

CB = Chipbreaker

K = Kenna Universal™ chipbreaker



The Kennametal LT Advantage

Every box of 10 inserts includes a free Torx wrench and spare locking screw, except LT-K inserts.

style			thread profile	standard	tolerance class	cresting	application	page(s)
CB	K	flat top						
 LT-60CB	 LT-60K	 LT-60	Partial profile 60º	—	—	N	General use for 60° thread forms, such as ISO and UN, where non-cresting inserts are desired to cut a variety of pitches.	D53–D54, D66–D67
 LT-ISOCB	 LT-ISOK	 LT-ISO	Metric ISO	ISO R262, DIN 13	6g/6H	Y	Widely used metric 60° V-form for all industries.	D57–D58, D70–D71
 LT-UNCB	 LT-UNK	 LT-UN	American UN	ANSI B1.1:74	2A/2B	Y	Widely used inch-based 60° V-form for all industries.	D62–D63, D74–D75
		 LT-UNJ	UNJ	MIL-S-8879C	3A/3B	Y	Controlled root radius on external threads for military and aerospace industries, 60° thread form.	D63, D75
 LT-NPTCB		 LT-NPT	NPT	USAS B2.1:1968	Standard NPT	Y	National Pipe Thread standard 60° thread form for pipe fittings.	D59, D72
 LT-NPTFCB		 LT-NPTF	NPTF	ANSI B1.20.3-1976	Class 2	Y	Dryseal-type NPT 60° thread form for pipe fittings.	D60, D72
	 LT-55K	 LT-55	Partial profile 55º	—	—	N	General use for 55° thread forms such as Whitworth, BSW, and BSP where non-cresting inserts are desired to cut a variety of pitches.	D52, D65–D66
		 LT-BSPT	BSPT	BS 21:1985	Standard BSPT	Y	55° form for pipe fittings.	D56, D69
 LT-WCB	 LT-WK	 LT-W	Whitworth, BSW, BSF, BSP	BS 84:1956, ISO 228/1:1985, DIN 259	Medium Class A	Y	Widely used 55° form for gas and water connections.	D64–D65, D76
		 LT-API	API Rotary Shoulder Connections	API SPEC. 7:1990	Standard API	Y	60° V-form used for rotary shoulder pipe connections in the oil and gas industry including V-.038R, V-.040, and V-.050 forms.	D55, D68
		 LT-APIRD	API round	API STD. 5B:1979	Standard API RD	Y	60° V-form with large radius for casing, tubing, and line pipe in the oil and gas industry, including 8 and 10 round forms.	D55, D69
		 LT-BUT	API Buttress Casing	API SPEC. 7:1990	Standard API	Y	45° buttress-style form used for pipe casing connections in the oil and gas industry.	D56, D69
		 LT-ACME	Acme	ANSI B1.5:1988	3G	N	29° truncated thread form for motion applications in a wide variety of industries.	D54, D68
		 LT-STACME	Stub Acme	ANSI B1.8:1988	2G	N	Shallow depth 29° truncated thread form for motion applications in a wide variety of industries.	D61, D73
		 LT-RD	Round	DIN 405	7h/7H	Y	Round thread form for tube fittings in the chemical and food industries.	D60, D73
		 LT-TR	Trapez	DIN 103	7e/7H	N	30° truncated metric thread form for motion applications.	D61, D73

Kennametal on the Web

kennametal.com

FIND THE LATEST PRODUCT INFORMATION

Whether your operation is turning, milling, or holemaking, Kennametal brands are the high-performance tooling you need. We offer standard and custom solutions for a wide range of applications.

Find information about our most current campaigns and catalogues.

Register on Konnect for the full functionality of the Kennametal online ordering website.

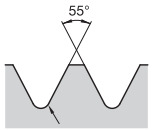


CONTACT US

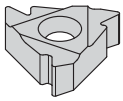
Our customers are important to us. We want to provide you the best customer service in the industry. If you have a comment or question, please send it to us. We strive to respond to all inquiries within 24 hours.

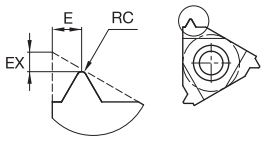
FIND A LOCAL AUTHORISED DISTRIBUTOR IN YOUR AREA

Kennametal offers world-class products and services globally. Our distributors know us, and more importantly, they know you. They know better than anyone in the industry how to put the global power of Kennametal to work for you — in your industry, in your region, and for your business.



Partial Profile 55°
External



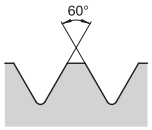


● first choice
○ alternate choice

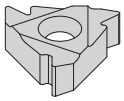
		KC5010	KC5025	KU25T
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

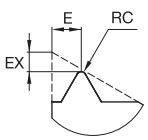
LT-ER/L-55

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ERA55	16	0,05	0,8	0,89	0,50-1,50	16-48	–	●	–
LT16ERAG55	16	0,08	1,2	1,70	0,50-3,00	8-48	●	●	–
16ERG55	16	0,20	1,2	1,70	1,75-3,00	8-14	–	●	–
LT22ERN55	22	0,43	1,7	2,49	3,50-5,00	5-7	–	●	–
left hand									
LT16ELAG55	16	0,08	1,2	1,70	0,50-3,00	8-48	–	●	–



Partial Profile 60°
External





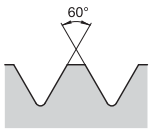


● first choice
○ alternate choice

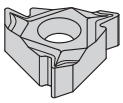
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

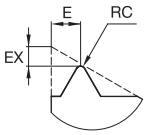
LT-ER/L-60

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ERA60	16	0,05	0,8	0,9	0,50-1,50	16-48	●	●	–
16ERAG60	16	0,08	1,2	1,7	0,50-3,0	8-48	–	●	–
LT16ERAG60	16	0,08	1,2	1,7	0,50-3,0	8-48	●	–	–
LT16ERG60	16	0,28	1,2	1,7	1,75-3,0	8-14	●	●	–
LT22ERN60	22	0,53	1,7	2,5	3,5-5,0	5-7	–	●	–
left hand									
LT16ELA60	16	0,05	0,8	0,9	0,50-1,50	16-48	–	●	–
LT16ELAG60	16	0,08	1,2	1,7	0,50-3,0	8-48	–	●	–
LT16ELG60	16	0,28	1,2	1,7	1,75-3,0	8-14	–	●	–
LT22ELN60	22	0,53	1,7	2,5	3,5-5,0	5-7	–	●	–



Partial Profile 60°
External





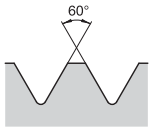


LT-ER-60CB

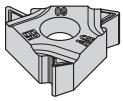
catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ERAG60CB	16	0,08	0,9	1,5	0,50-3,0	8-48	●	●	–

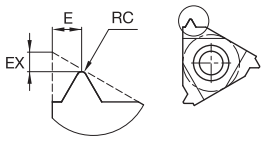
● first choice
○ alternate choice

P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		



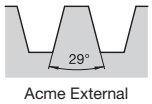
Partial Profile 60°
External



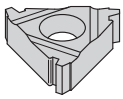


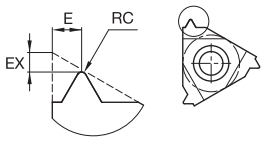
LT-ER-60K

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ERAG60K	16	0,08	1,2	1,7	0,50-3,0	8-48	–	–	●



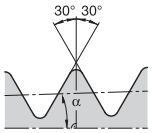
Acme External



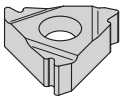


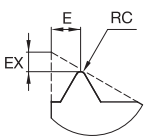
LT-ER/L-ACME

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER10ACME	16	–	1,3	1,40	–	10	–	●	–
LT16ER12ACME	16	–	1,1	1,19	–	12	–	●	–
LT16ER16ACME	16	–	1,0	1,09	–	16	–	●	–
LT16ER8ACME	16	–	1,4	1,50	–	8	–	●	–
LT22ER5ACME	22	–	2,0	2,29	–	5	–	●	–
LT22ER6ACME	22	–	1,8	2,11	–	6	–	●	–



API Rotary Shoulder Connections-External
α = 1/2 arctan (TPF/12)





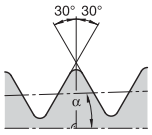


● first choice
○ alternate choice

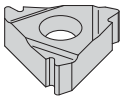
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

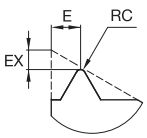
LT-ER/L-API

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT22ER4API382	22	–	2,1	2,79	–	4	–	●	–
LT22ER4API502	22	–	2,0	2,90	–	4	●	●	–
LT22ER4API503	22	–	2,0	2,90	–	4	●	–	–
LT22ER5API403	22	–	1,8	2,60	–	5	●	–	–
LT27ER4API502	28	0,64	2,0	2,79	–	4	–	●	–
LT27ER4API382	28	0,97	2,0	2,79	–	4	–	●	–



API Round-External

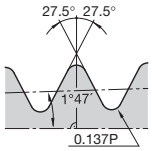




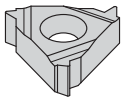


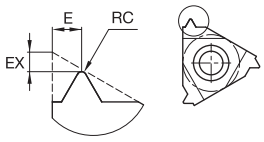
LT-ER/L-APIRD

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER10APIRD	16	–	1,2	1,40	–	10	–	●	–
LT16ER8APIRD	16	–	1,3	1,50	–	8	–	●	–
left hand									
LT16EL8APIRD	16	–	1,3	1,50	–	8	–	●	–



BSPT-External



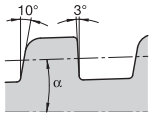


● first choice
○ alternate choice

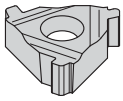
P	●	●	●	
M	●	●	●	
K	●	●	●	
N	○	○	○	
S	●	●	●	
H	○			

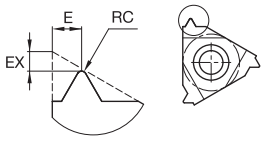
LT-ER/L-BSPT

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER11BSPT	16	–	1,1	1,50	–	11	–	●	–
LT16ER14BSPT	16	–	1,0	1,19	–	14	–	●	–



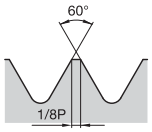
API Buttress
Casing-External
α = 1/2 arctan
(TPF/12)



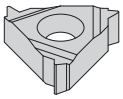


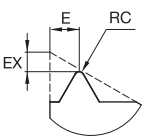
LT-ER/L-BUT

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT22ER5BUT75	22	–	3,1	1,91	–	5	–	●	–



ISO Metric-External





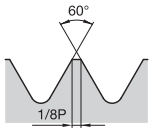


● first choice
○ alternate choice

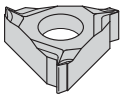
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

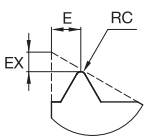
LT-ER/L-ISO

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER05ISO	16	–	0,6	0,4	0,50	–	–	●	–
LT16ER075ISO	16	–	0,6	0,6	0,75	–	–	●	–
LT16ER10ISO	16	–	0,7	0,7	1,0	–	●	●	–
LT16ER125ISO	16	–	0,8	0,9	1,25	–	●	●	–
LT16ER15ISO	16	–	0,8	1,0	1,5	–	●	●	–
LT16ER175ISO	16	–	0,9	1,2	1,75	–	●	●	–
LT16ER20ISO	16	–	1,0	1,3	2,0	–	●	●	–
LT16ER25ISO	16	–	1,1	1,5	2,5	–	●	●	–
LT16ER30ISO	16	–	1,2	1,6	3,0	–	●	●	–
LT22ER35ISO	22	–	1,6	2,3	3,5	–	–	●	–
LT22ER40ISO	22	–	1,6	2,3	4,0	–	–	●	–
LT22ER45ISO	22	–	1,7	2,4	4,5	–	–	●	–
LT22ER50ISO	22	–	1,7	2,5	5,0	–	–	●	–
left hand									
LT16EL15ISO	16	–	0,8	1,0	1,5	–	●	●	–
LT16EL175ISO	16	–	0,9	1,2	1,75	–	–	●	–
LT16EL20ISO	16	–	1,0	1,3	2,0	–	–	●	–
LT16EL25ISO	16	–	1,1	1,5	2,5	–	–	●	–
LT16EL30ISO	16	–	1,2	1,6	3,0	–	–	●	–
LT16EL05ISO	16	–	0,6	0,4	0,50	–	–	●	–
LT16EL075ISO	16	–	0,6	0,6	0,75	–	–	●	–
LT16EL10ISO	16	–	0,7	0,7	1,0	–	–	●	–
LT16EL125ISO	16	–	0,8	0,9	1,25	–	–	●	–
LT22EL35ISO	22	–	1,6	2,3	3,5	–	–	●	–



ISO Metric-External





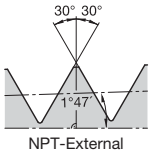


● first choice
○ alternate choice

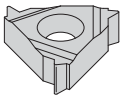
		KC5010	KC5025	KU25T
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

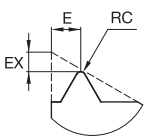
LT-ER-ISOCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER05ISOCB	16	–	1,2	0,5	0,50	–	●	●	–
LT16ER075ISOCB	16	–	1,2	0,6	0,75	–	●	●	–
LT16ER10ISOCB	16	–	0,7	0,8	1,0	–	●	●	–
LT16ER125ISOCB	16	–	0,7	0,8	1,25	–	●	●	–
LT16ER15ISOCB	16	–	0,7	0,8	1,5	–	●	●	–
LT16ER175ISOCB	16	–	1,2	1,5	1,75	–	●	●	–
LT16ER20ISOCB	16	–	1,2	1,5	2,0	–	●	●	–
LT16ER25ISOCB	16	–	1,2	1,5	2,5	–	–	●	–
LT16ER30ISOCB	16	–	1,3	1,5	3,0	–	●	●	–



NPT-External





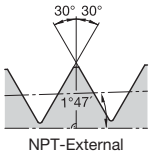


● first choice
○ alternate choice

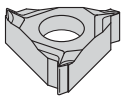
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

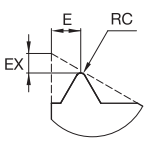
LT-ER/L-NPT

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER115NPT	16	–	1,1	1,5	–	11.5	●	●	–
LT16ER14NPT	16	–	0,9	1,2	–	14	●	●	–
LT16ER18NPT	16	–	0,8	1,0	–	18	●	●	–
LT16ER27NPT	16	–	0,7	0,8	–	27	–	●	–
LT16ER8NPT	16	–	1,3	1,8	–	8	–	●	–



NPT-External





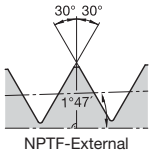


LT-ER-NPTCB

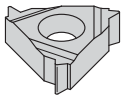
catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER14NPTCB	16	–	1,1	1,5	–	14	●	●	–

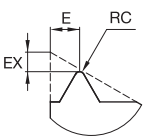
P	●	●	●
M	●	●	●
K	●	●	●
N	○	○	○
S	●	●	●
H	○		

● first choice
○ alternate choice



NPTF-External

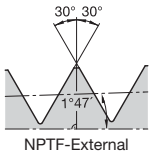




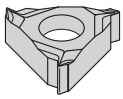


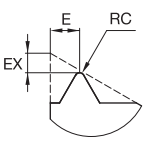
LT-ER/L-NPTF

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER115NPTF	16	–	1,1	1,5	–	11.5	–	●	–
LT16ER14NPTF	16	–	0,9	1,2	–	14	–	●	–



NPTF-External

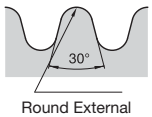




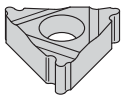


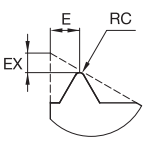
LT-ER-NPTFCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER115NPTFCB	16	–	1,1	1,5	–	11.5	–	●	–



Round External

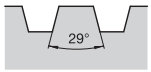




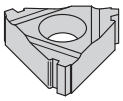


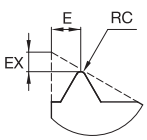
LT-ER/L-RD

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER8RD	16	0,76	1,4	1,30	–	8	–	●	–
LT22ER6RD	22	1,01	1,5	1,70	–	6	–	●	–



Stub Acme-External





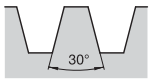


● first choice
○ alternate choice

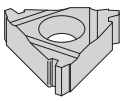
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

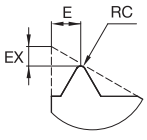
LT-ER/L-STACME

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER10STACME	16	–	1,2	1,30	–	10	–	●	–
LT16ER12STACME	16	–	1,2	1,19	–	12	–	●	–
LT16ER16STACME	16	–	1,0	0,99	–	16	–	●	–
LT16ER6STACME	16	–	1,7	1,80	–	6	–	●	–
LT16ER8STACME	16	–	1,4	1,50	–	8	–	●	–
LT22ER5STACME	22	–	2,1	2,29	–	5	–	●	–



Trapez-External

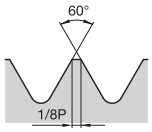




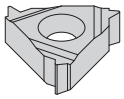


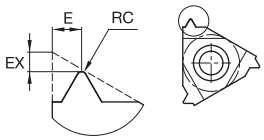
LT-ER/L-TR

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER2TR	16	–	1,1	1,30	2,0	–	–	●	–
LT16ER3TR	16	–	1,3	1,50	3,0	–	–	●	–
LT22ER4TR	22	–	1,7	1,91	4,0	–	–	●	–
LT22ER5TR	22	–	2,1	2,50	5,0	–	–	●	–



American
UN-External



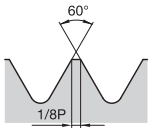


● first choice
○ alternate choice

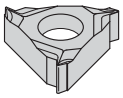
		KC5010	KC5025	KU25T
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

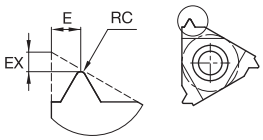
LT-ER/L-UN

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER10UN	16	–	1,1	1,5	–	10	–	●	–
LT16ER12UN	16	–	1,1	1,4	–	12	●	●	–
LT16ER14UN	16	–	1,0	1,2	–	14	●	●	–
LT16ER16UN	16	–	0,9	1,1	–	16	●	●	–
LT16ER18UN	16	–	0,8	1,0	–	18	●	●	–
LT16ER20UN	16	–	0,8	0,9	–	20	●	●	–
LT16ER24UN	16	–	0,7	0,8	–	24	●	●	–
LT16ER28UN	16	–	0,6	0,7	–	28	●	●	–
LT16ER32UN	16	–	0,6	0,6	–	32	●	●	–
LT16ER36UN	16	–	0,6	0,6	–	36	–	●	–
LT16ER40UN	16	–	0,6	0,6	–	40	–	●	–
LT16ER48UN	16	–	0,6	0,6	–	48	–	●	–
LT16ER8UN	16	–	1,2	1,6	–	8	–	●	–
left hand									
LT16EL24UN	16	–	0,7	0,8	–	24	–	●	–
LT16EL28UN	16	–	0,6	0,7	–	28	–	●	–
LT16EL8UN	16	–	1,2	1,6	–	8	–	●	–
LT16EL12UN	16	–	1,1	1,4	–	12	–	●	–
LT16EL14UN	16	–	1,0	1,2	–	14	–	●	–
LT16EL16UN	16	–	0,9	1,1	–	16	–	●	–
LT16EL18UN	16	–	0,8	1,0	–	18	–	●	–
LT16EL20UN	16	–	0,8	0,9	–	20	–	●	–



American
UN-External



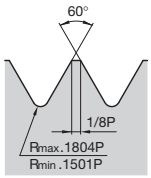


● first choice
○ alternate choice

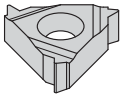
P	●	●	●	
M	●	●	●	
K	●	●	●	
N	○	○	○	
S	●	●	●	
H	○			

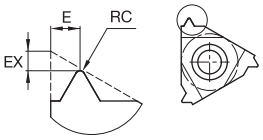
LT-ER-UNCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER10UNCB	16	–	1,2	1,5	–	10	–	●	–
LT16ER12UNCB	16	–	1,2	1,5	–	12	●	●	–
LT16ER14UNCB	16	–	1,2	1,5	–	14	●	●	–
LT16ER16UNCB	16	–	0,8	0,8	–	16	●	●	–
LT16ER18UNCB	16	–	0,7	0,8	–	18	●	●	–
LT16ER20UNCB	16	–	0,7	0,8	–	20	●	●	–
LT16ER24UNCB	16	–	0,7	0,8	–	24	●	●	–
LT16ER28UNCB	16	–	0,7	0,8	–	28	●	●	–
LT16ER32UNCB	16	–	1,2	0,5	–	32	●	●	–
LT16ER8UNCB	16	–	1,3	1,5	–	8	●	●	–



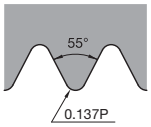
UNJ-External



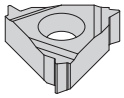


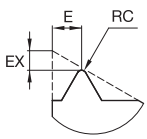
LT-ER/L-UNJ

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER12UNJ	16	–	1,1	1,3	–	12	●	●	–
LT16ER14UNJ	16	–	1,0	1,2	–	14	●	●	–
LT16ER16UNJ	16	–	0,9	1,1	–	16	●	●	–
LT16ER18UNJ	16	–	0,8	1,0	–	18	●	●	–
LT16ER20UNJ	16	–	0,8	0,9	–	20	●	●	–
LT16ER24UNJ	16	–	0,7	0,8	–	24	–	●	–
LT16ER28UNJ	16	–	0,7	0,7	–	28	–	●	–
LT16ER32UNJ	16	–	0,6	0,7	–	32	–	●	–
left hand									
LT16EL16UNJ	16	–	0,9	1,1	–	16	–	●	–



Whitworth BSW,
BSF, BSP-Internal





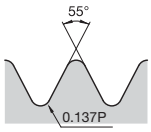


● first choice
○ alternate choice

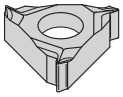
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

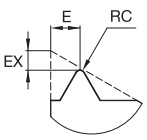
LT-ER/L-W

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER10W	16	–	1,1	1,50	–	10	–	●	–
LT16ER11W	16	–	1,1	1,50	–	11	●	●	–
LT16ER12W	16	–	1,1	1,40	–	12	–	●	–
LT16ER14W	16	–	1,0	1,19	–	14	●	●	–
LT16ER16W	16	–	0,9	1,09	–	16	–	●	–
LT16ER18W	16	–	0,8	0,99	–	18	–	●	–
LT16ER19W	16	–	0,8	0,99	–	19	●	●	–
LT16ER20W	16	–	0,8	0,89	–	20	–	●	–
LT16ER24W	16	–	0,7	0,79	–	24	–	●	–
LT16ER28W	16	–	0,6	0,69	–	28	–	●	–
LT16ER8W	16	–	1,2	1,50	–	8	–	●	–
LT16ER9W	16	–	1,2	1,70	–	9	–	●	–
LT22ER6W	22	–	1,6	2,29	–	6	–	●	–
LT22ER7W	22	–	1,6	2,29	–	7	–	●	–
left hand									
LT16EL11W	16	–	1,1	1,50	–	11	–	●	–
LT16EL14W	16	–	1,0	1,19	–	14	–	●	–



Whitworth BSW,
BSF, BSP-External





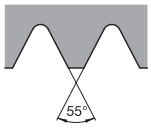


● first choice
○ alternate choice

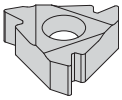
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

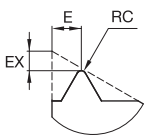
LT-ER-WCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16ER11WCB	16	–	1,3	1,50	–	11	–	●	–
LT16ER14WCB	16	–	1,3	1,50	–	14	●	●	–



Partial Profile 55°
Internal

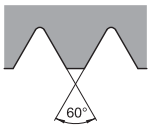




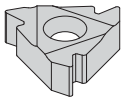


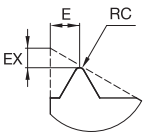
LT-NR/L-55

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NRA55	11	0,05	0,8	0,89	0,50-1,50	16-48	–	●	–
LT16NRA55	16	0,05	0,8	0,89	0,50-1,50	16-48	–	●	–
LT16NRAG55	16	0,07	1,2	1,70	0,50-3,00	8-48	–	●	–
LT16NRG55	16	0,21	1,2	1,70	1,75-3,00	8-14	–	●	–
LT22NRN55	22	0,43	1,7	2,49	3,50-5,00	5-7	–	●	–



Partial Profile 60°
Internal





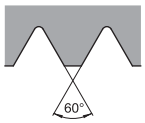


● first choice
○ alternate choice

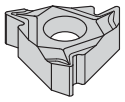
		KC5010	KC5025	KU25T
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

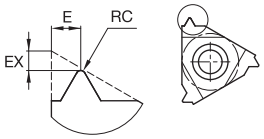
LT-NR/L-60

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NRA60	11	0,05	0,8	0,9	0,50-1,5	48-16	●	●	–
LT16NRA60	16	0,05	0,8	0,9	0,50-1,5	48-16	●	●	–
LT16NRAG60	16	0,05	1,2	1,7	0,50-3,0	48-8	●	●	–
LT16NRG60	16	0,15	1,2	1,7	1,75-3,0	14-8	●	●	–
LT22NRN60	22	0,31	1,7	2,5	3,5-5,0	7-5	–	●	–
left hand									
LT11NLA60	11	0,05	0,8	0,9	0,50-1,5	48-16	–	●	–
LT16NLA60	16	0,05	0,8	0,9	0,50-1,5	48-16	–	●	–
LT16NLAG60	16	0,05	1,2	1,7	0,50-3,0	48-8	–	●	–
LT16NLG60	16	0,15	1,2	1,7	1,75-3,0	14-8	–	●	–
LT22NLN60	22	0,31	1,7	2,5	3,5-5,0	7-5	–	●	–



Partial Profile 60°
Internal



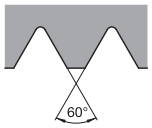


● first choice
○ alternate choice

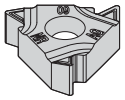
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

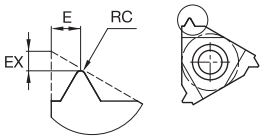
LT-NR-60CB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NRA60CB	11	0,05	0,6	0,8	0,50-1,50	48-16	–	●	–
LT16NRAG60CB	16	0,05	0,9	1,5	0,50-3,0	48-8	–	●	–
LT16NRG60CB	16	0,16	1,0	1,5	1,75-3,0	14-8	–	●	–



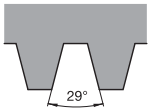
Partial Profile 60°
Internal



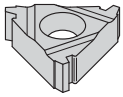


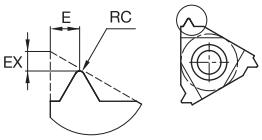
LT-NR-60K

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NRAG60K	16	0,04	1,2	1,7	0,50-3,0	48-8	–	–	●



Acme Internal



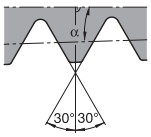


● first choice
○ alternate choice

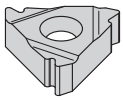
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

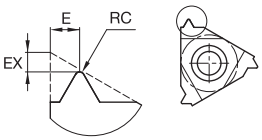
LT-NR/L-ACME

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NR10ACME	16	–	1,2	1,30	–	10	–	●	–
LT16NR12ACME	16	–	1,2	1,30	–	12	–	●	–
LT16NR8ACME	16	–	1,4	1,50	–	8	–	●	–
LT22NR5ACME	22	–	2,0	2,29	–	5	–	●	–
LT22NR6ACME	22	–	1,8	2,11	–	6	–	●	–



API Rotary Shoulder Connections-Internal
α = 1/2 arctan (TPF/12)



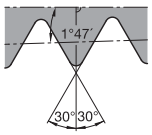


LT-NR/L-API

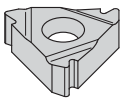
catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT22NR4API382	22	–	2,1	2,79	–	4	–	●	–
LT22NR4API502	22	–	2,1	3,10	–	4	–	●	–
LT22NR5API403	22	–	1,8	2,60	–	5	–	●	–
LT27NR4API502	28	0,65	2,0	3,79	–	4	–	●	–
LT27NR4API382	28	0,99	2,0	2,79	–	4	–	●	–

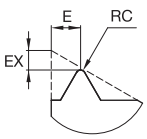
P	●	●	●
M	●	●	●
K	●	●	●
N	○	○	○
S	●	●	●
H	○		

● first choice
○ alternate choice



API Round-Internal

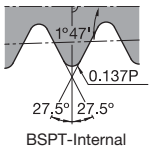




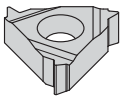


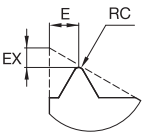
LT-NR/L-APIRD

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NR10APIRD	16	–	1,2	1,40	–	10	–	●	–
LT16NR8APIRD	16	–	1,3	1,50	–	8	–	●	–



BSPT-Internal

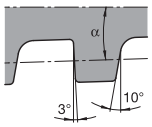




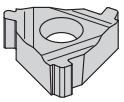


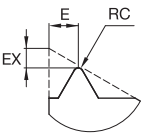
LT-NR/L-BSPT

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR14BSPT	11	–	0,9	0,99	–	14	–	●	–
LT16NR11BSPT	16	–	1,1	1,50	–	11	–	●	–
LT16NR14BSPT	16	–	1,0	1,19	–	14	–	●	–



API Buttress
Casing-Internal
α = 1/2 arctan
(TPF/12)

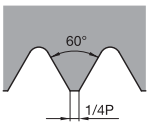




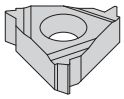


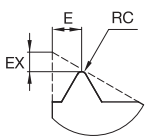
LT-NR/L-BUT

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT22NR5BUT1	22	–	2,8	1,91	–	5	–	●	–
LT22NR5BUT75	22	–	2,8	1,91	–	5	–	●	–



ISO Metric-Internal





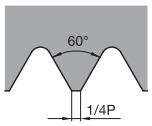


● first choice
○ alternate choice

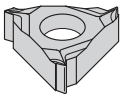
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

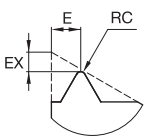
LT-NR/L-ISO

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR05ISO	11	–	0,6	0,4	0,50	–	–	●	–
LT11NR075ISO	11	–	0,6	0,6	0,75	–	–	●	–
LT11NR10ISO	11	–	0,6	0,7	1,0	–	–	●	–
LT11NR125ISO	11	–	0,8	0,9	1,25	–	–	●	–
LT11NR15ISO	11	–	0,8	1,0	1,5	–	●	●	–
LT11NR175ISO	11	–	0,9	1,1	1,75	–	–	●	–
LT11NR20ISO	11	–	0,9	1,1	2,0	–	–	●	–
LT16NR05ISO	16	–	0,6	0,4	0,50	–	–	●	–
LT16NR075ISO	16	–	0,6	0,6	0,75	–	–	●	–
LT16NR10ISO	16	–	0,6	0,7	1,0	–	●	●	–
LT16NR125ISO	16	–	0,8	0,9	1,25	–	–	●	–
LT16NR15ISO	16	–	0,8	1,0	1,5	–	●	●	–
LT16NR175ISO	16	–	0,9	1,2	1,75	–	–	●	–
LT16NR20ISO	16	–	1,0	1,3	2,0	–	●	●	–
LT16NR25ISO	16	–	1,1	1,5	2,5	–	–	●	–
LT16NR30ISO	16	–	1,1	1,5	3,0	–	●	●	–
LT22NR35ISO	22	–	1,6	2,3	3,5	–	–	●	–
LT22NR40ISO	22	–	1,6	2,3	4,0	–	–	●	–
LT22NR45ISO	22	–	1,6	2,4	4,5	–	–	●	–
LT22NR50ISO	22	–	1,6	2,3	5,0	–	–	●	–
left hand									
LT11NL15ISO	11	–	0,8	1,0	1,5	–	–	●	–
LT11NL10ISO	11	–	0,6	0,7	1,0	–	–	●	–
LT16NL30ISO	16	–	1,1	1,5	3,0	–	–	●	–
LT16NL10ISO	16	–	0,6	0,7	1,0	–	–	●	–
LT16NL15ISO	16	–	0,8	1,0	1,5	–	–	●	–
LT16NL20ISO	16	–	1,0	1,3	2,0	–	–	●	–
LT16NL25ISO	16	–	1,1	1,5	2,5	–	–	●	–



ISO Metric-Internal







● first choice
○ alternate choice

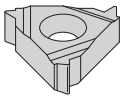
		KC5010	KC5025	KU25T
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

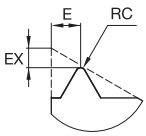
LT-NR-ISOCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR075ISOCB	11	–	1,2	0,5	0,75	–	–	●	–
LT11NR10ISOCB	11	–	0,7	0,8	1,0	–	–	●	–
LT11NR125ISOCB	11	–	0,7	0,8	1,25	–	–	●	–
LT11NR15ISOCB	11	–	0,7	0,8	1,5	–	–	●	–
LT16NR10ISOCB	16	–	0,7	0,8	1,0	–	–	●	–
LT16NR15ISOCB	16	–	0,7	0,8	1,5	–	–	●	–
LT16NR20ISOCB	16	–	1,1	1,5	2,0	–	–	●	–
LT16NR25ISOCB	16	–	1,1	1,5	2,5	–	–	●	–

P	●	●	●
M	●	●	●
K	●	●	●
N	○	○	○
S	●	●	●
H	○		

● first choice
○ alternate choice

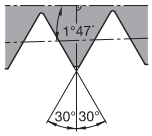




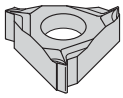


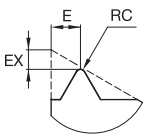
LT-NR/L-NPT

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR14NPT	11	–	0,8	1,0	–	14	●	●	–
LT11NR18NPT	11	–	0,8	1,0	–	18	–	●	–
LT16NR115NPT	16	–	1,1	1,5	–	11.5	●	●	–
LT16NR14NPT	16	–	0,9	1,2	–	14	–	●	–
LT16NR8NPT	16	–	1,3	1,8	–	8	–	●	–



NPT-Internal

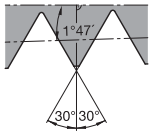




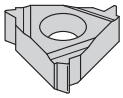


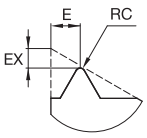
LT-NR-NPTCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NR115NPTCB	16	–	1,1	1,5	–	11.5	–	●	–
LT16NR14NPTCB	16	–	1,4	1,2	–	14	–	●	–



NPTF-Internal





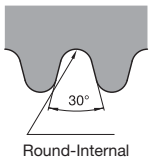


LT-NR/L-NPTF

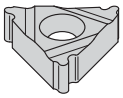
catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR14NPTF	11	–	0,8	0,99	–	14	–	●	–
LT16NR14NPTF	16	–	0,9	1,19	–	14	–	●	–

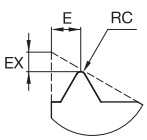
● first choice
○ alternate choice

P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		



Round-Internal

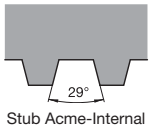




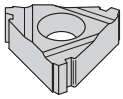


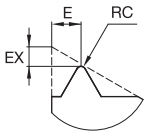
LT-NR/L-RD

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NR8RD	16	0,70	1,4	1,40	–	8	–	●	–
LT22NR6RD	22	0,93	1,5	1,70	–	6	–	●	–



Stub Acme-Internal

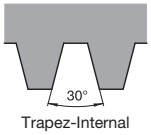




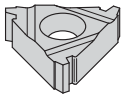


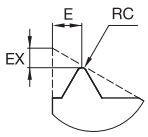
LT-NR/L-STACME

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NR10STACME	16	–	1,2	1,30	–	10	–	●	–
LT16NR12STACME	16	–	1,1	1,19	–	12	–	●	–
LT16NR14STACME	16	–	1,1	1,09	–	14	–	●	–
LT16NR16STACME	16	–	1,0	0,99	–	16	–	●	–
LT16NR6STACME	16	–	1,7	1,80	–	6	–	●	–
LT16NR8STACME	16	–	1,4	1,50	–	8	–	●	–



Trapez-Internal

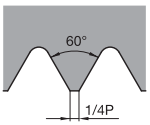




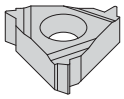


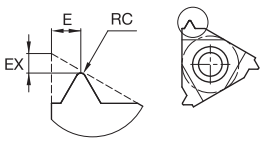
LT-NR/L-TR

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NR2TR	16	–	1,1	1,30	2,0	–	–	●	–
LT16NR3TR	16	–	1,3	1,50	3,0	–	–	●	–
LT22NR4TR	22	–	1,7	1,91	4,0	–	–	●	–
LT22NR5TR	22	–	2,1	2,50	5,0	–	–	●	–



American
UN-Internal



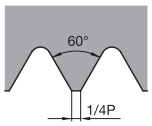


● first choice
○ alternate choice

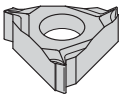
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

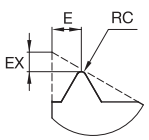
LT-NR/L-UN

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR16UN	11	–	0,9	1,1	–	16	●	●	–
LT11NR18UN	11	–	0,8	1,0	–	18	–	●	–
LT11NR20UN	11	–	0,8	0,9	–	20	–	●	–
LT11NR24UN	11	–	0,7	0,8	–	24	–	●	–
LT11NR28UN	11	–	0,6	0,7	–	28	–	●	–
LT11NR32UN	11	–	0,6	0,6	–	32	–	●	–
LT11NR40UN	11	–	0,6	0,6	–	40	–	●	–
LT16NR10UN	16	–	1,1	1,5	–	10	–	●	–
LT16NR12UN	16	–	1,1	1,4	–	12	●	●	–
LT16NR14UN	16	–	0,9	1,2	–	14	–	●	–
LT16NR16UN	16	–	0,9	1,1	–	16	–	●	–
LT16NR18UN	16	–	0,8	1,0	–	18	–	●	–
LT16NR20UN	16	–	0,8	0,9	–	20	–	●	–
LT16NR24UN	16	–	0,7	0,8	–	24	–	●	–
LT16NR28UN	16	–	0,6	0,7	–	28	–	●	–
LT16NR32UN	16	–	0,6	0,6	–	32	–	●	–
LT16NR8UN	16	–	1,1	1,5	–	8	–	●	–
left hand									
LT11NL32UN	11	–	0,6	0,6	–	32	–	●	–
LT16NL10UN	16	–	1,1	1,5	–	10	–	●	–
LT16NL12UN	16	–	1,1	1,4	–	12	–	●	–
LT16NL16UN	16	–	0,9	1,1	–	16	–	●	–



American
UN-Internal





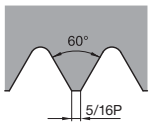


● first choice
○ alternate choice

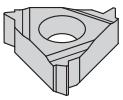
P		●	●	●
M		●	●	●
K		●	●	●
N		○	○	○
S		●	●	●
H		○		

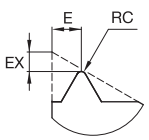
LT-NR-UNCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR16UNCB	11	–	0,7	0,8	–	16	–	●	–
LT11NR18UNCB	11	–	0,6	0,8	–	18	–	●	–
LT11NR20UNCB	11	–	0,6	0,8	–	20	–	●	–
LT11NR24UNCB	11	–	0,7	0,8	–	24	–	●	–
LT11NR32UNCB	11	–	1,2	0,5	–	32	–	●	–
LT16NR10UNCB	16	–	1,1	1,5	–	10	–	●	–
LT16NR12UNCB	16	–	1,1	1,5	–	12	–	●	–
LT16NR14UNCB	16	–	1,1	1,5	–	14	–	●	–
LT16NR16UNCB	16	–	0,7	0,8	–	16	–	●	–
LT16NR18UNCB	16	–	0,6	0,8	–	18	–	●	–
LT16NR20UNCB	16	–	0,7	0,6	–	20	–	●	–
LT16NR8UNCB	16	–	1,1	1,5	–	8	–	●	–



UNJ-Internal





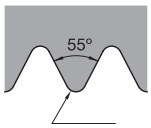


LT-NR/L-UNJ

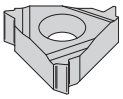
catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR14UNJ	11	–	1,0	1,2	–	14	–	●	–
LT11NR16UNJ	11	–	0,9	1,1	–	16	–	●	–
LT11NR18UNJ	11	–	0,8	1,0	–	18	–	●	–
LT16NR12UNJ	16	–	1,1	1,3	–	12	–	●	–
LT16NR16UNJ	16	–	0,9	1,1	–	16	–	●	–

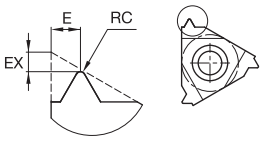
● first choice
○ alternate choice

P	●	●	●
M	●	●	●
K	●	●	●
N	○	○	○
S	●	●	●
H	○		



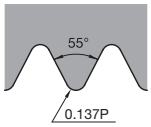
Whitworth BSW,
BSF, BSP-Internal



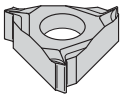


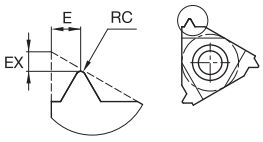
LT-NR/L-W

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT11NR14W	11	–	0,9	1,09	–	14	–	●	–
LT11NR19W	11	–	0,8	0,99	–	19	–	●	–
LT16NR10W	16	–	1,1	1,50	–	10	–	●	–
LT16NR11W	16	–	1,1	1,50	–	11	●	●	–
LT16NR12W	16	–	1,1	1,40	–	12	–	●	–
LT16NR14W	16	–	1,0	1,19	–	14	–	●	–
LT16NR16W	16	–	0,9	1,09	–	16	–	●	–
LT16NR19W	16	–	0,8	0,99	–	19	–	●	–
LT16NR20W	16	–	0,8	0,89	–	20	–	●	–
LT16NR8W	16	–	1,2	1,50	–	8	–	●	–
LT22NR7W	22	–	1,6	2,29	–	7	–	●	–
left hand									
LT16NL11W	16	–	1,1	1,50	–	11	–	●	–



Whitworth BSW,
BSF, BSP-Internal





LT-NR-WCB

catalogue number	insert size	RC	EX	E	thread pitch mm	TPI	KC5010	KC5025	KU25T
right hand									
LT16NR11WCB	16	–	1,3	1,50	–	11	–	●	–
LT16NR14WCB	16	–	1,3	1,50	–	14	–	●	–

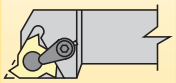
How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding image to easily identify which attributes apply.

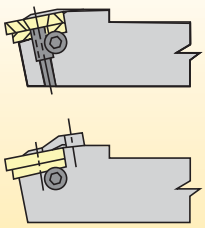


L	S	AS	R		2525M	16	
Insert Style	Insert Holding Method	Tool Style	Hand of Tool	Drop Head	Shank Size	Insert Size	Qualified Surface and Length

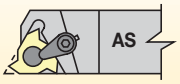
L — Laydown triangle



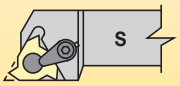
S — Insert screw or clamp only



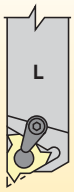
Straight shank



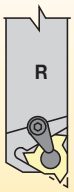
Offset shank

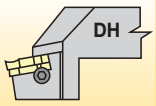


Left hand



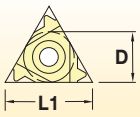
Right hand





Metric:
Shank height and width in mm and holder length according to ISO standard.

Size equals number of 1/8" increments of IC.



inch insert size	metric insert size	D mm	L1 mm
2	11	6,4	11,0
3	16	9,5	16,5
4	22	12,7	22,0

C — qualified back and end, 5" long

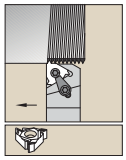
D — qualified back and end, 6" long

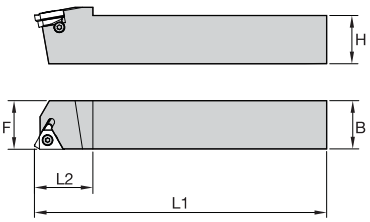
E — qualified back and end, 7" long

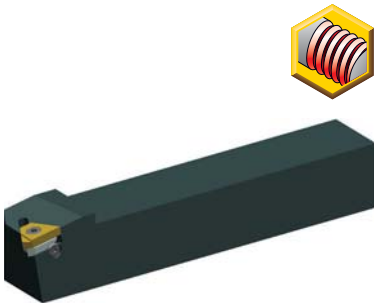
T — qualified back and end, 3.25" long

Q — qualified metric holder

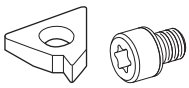
NOTE: Toolholders with primary shank sizes larger than 1/2" or 12mm are supplied with clamp and insert screw. Secure the insert with either the clamp or insert screw. **Do not use both.**
For Threading Shim Catalogue Numbering System, please see page D80.





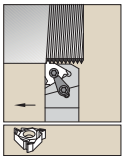


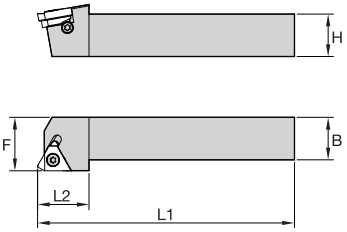
LSA

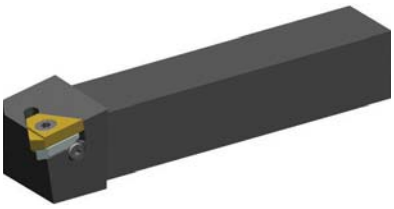




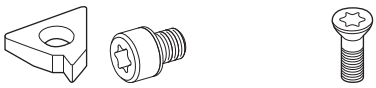
order number	catalogue number	H	B	F	L1	gage insert	shim	shim screw	Torx	Torx	insert screw	Torx
right hand												
1136965	**LSASR1212N16**	12	12	16	85	LT16ER	**–**	**–**	–	–	**SSA3T**	T10
1136984	**LSASR1616H16**	16	16	16	100	LT16ER	**SMYE3**	**SSY3T**	T10	T15	**SSA3T**	T10
1136992	**LSASR2020K16**	20	20	20	125	LT16ER	**SMYE3**	**SSY3T**	T10	T15	**SSA3T**	T10
1137000	**LSASR2525M16**	25	25	25	150	LT16ER	**SMYE3**	**SSY3T**	T10	T15	**SSA3T**	T10
1137007	**LSASR2525M22**	25	25	25	150	LT22ER	**SMYE4**	**SSY4T**	T20	T20	**SSA4T**	T20
1125454	**LSASR3232P16**	32	32	32	170	LT16ER	**SMYE3**	**SSY3T**	T10	T15	**SSA3T**	T10
1611931	**LSASR3232P22**	32	32	32	170	LT22ER	**SMYE4**	**SSY4T**	T20	T20	**SSA4T**	T20
left hand												
1136926	**LSASL1212N16**	12	12	16	85	LT16EL	**–**	**–**	–	–	**SSA3T**	T10
1136935	**LSASL1616H16**	16	16	16	100	LT16EL	**SMYI3**	**SSY3T**	T10	T15	**SSA3T**	T10
1136943	**LSASL2020K16**	20	20	20	125	LT16EL	**SMYI3**	**SSY3T**	T10	T15	**SSA3T**	T10
1136951	**LSASL2525M16**	25	25	25	150	LT16EL	**SMYI3**	**SSY3T**	T10	T15	**SSA3T**	T10
1136959	**LSASL2525M22**	25	25	25	150	LT22EL	**SMYI4**	**SSY4T**	T20	T20	**SSA4T**	T20



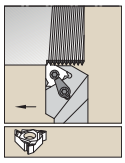


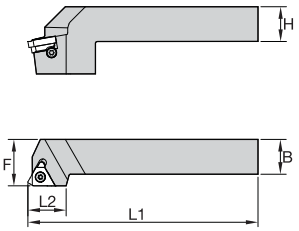


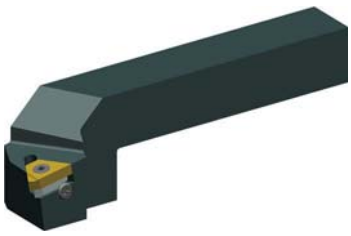
LSS



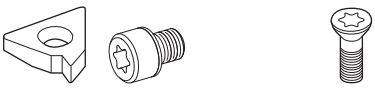
order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx	insert screw	Torx
right hand												
1137054	**LSSR2020K16Q**	20	20	25	125	25	LT16ER	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1137063	**LSSR2525M16Q**	25	25	32	150	25	LT16ER	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1137069	**LSSR2525M22Q**	25	25	32	150	30	LT22ER	**SMYE4**	**SSY4T**	T20	**SSA4T**	T20
1611933	**LSSR3232P16Q**	32	32	40	170	32	LT16ER	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1611935	**LSSR3232P22Q**	32	32	40	170	30	LT22ER	**SMYE4**	**SSY4T**	T20	**SSA4T**	T20
left hand												
1192325	**LSSL2020K16Q**	20	20	25	125	25	LT16EL	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1137022	**LSSL2525M16Q**	25	25	32	150	25	LT16EL	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1137029	**LSSL2525M22Q**	25	25	32	150	30	LT22EL	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
1611934	**LSSL3232P16Q**	32	32	40	170	32	LT16EL	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10







LSS-DH



order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx	insert screw	Torx
right hand												
1174502	**LSSRDH2020K16Q**	20	20	25	125	38	LT16ER	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1611938	**LSSRDH2525M16**	25	25	32	150	38	LT16ER	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1137036	**LSSRDH2525M22Q**	25	25	32	150	38	LT22ER	**SMYE4**	**SSY4T**	T20	**SSA4T**	T20
left hand												
1611939	**LSSLDH2525M16**	25	25	32	150	38	LT16EL	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10

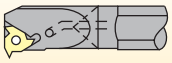
How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding image to easily identify which attributes apply.

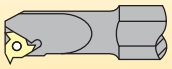


E	16		L	S	E	R	16
Bar Type	Primary Necked Shank Bar Diameter	Secondary (mounting) Bar Diameter	Insert Style	Insert Holding Method	Bar Style	Hand of Tool	Insert Size

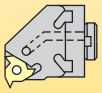
E — Carbide with coolant



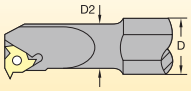
S — Steel shank without coolant



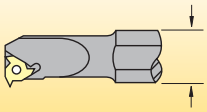
H — Interchangeable head with coolant



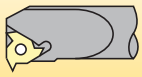
Metric diameter in mm.



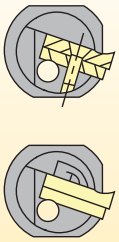
Metric diameter in mm.



L — Laydown triangle



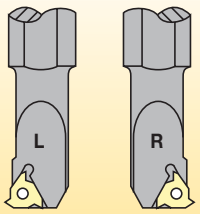
S — Insert screw



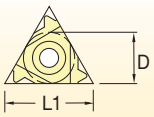
End cutting edge mount



Left Hand / Right Hand



Size equals number of 1/8" increments of IC.



inch insert size	metric insert size	D mm	L1 mm
2	11	6,4	11,0
3	16	9,5	16,5
4	22	12,7	22,0

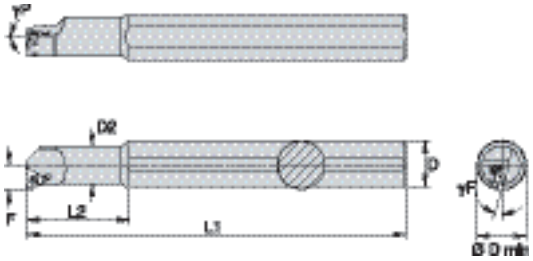
LT Threading Shim Catalogue Numbering System

SM	Y	E	3	2P
Shim	Shim for LT Standard Inserts	Insert Threading	Insert Size	Shim Angle
		E = External **I** = Internal	D value in 1/8"	**2P** = 2º positive **1P** = 1º positive **—** = 0º neutral **1N** = 1º negative **2N** = 2º negative **3N** = 3º negative

For shims and shim kits, see pages D109–D110.

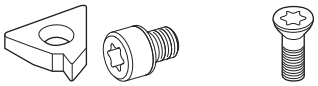


Steel shank with through coolant.

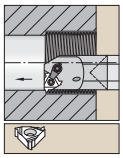




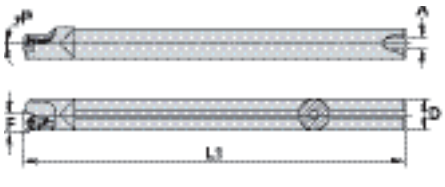
A-LSE



order number	catalogue number	D	D min	D2	F	L1	L2	γF°	γP°	gage insert	shim	shim screw	Torx	insert screw	Torx
right hand															
1131468	**A1020LSER11**	20	13	–	7,3	180	25	-15.0	-1.5	LT11NR	–	–	–	**SSN2T**	T8
1131481	**A1320LSER11**	20	16	–	8,9	180	32	-15.0	-1.5	LT11NR	–	–	–	**SSN2T**	T8
1612581	**A1320LSER16**	20	17	–	10,3	180	32	-15.0	-1.5	LT16NR	–	–	–	**SSA3T**	T10
1798921	**A1616LSER16**	16	20	16,0	11,3	150	32	-15.0	-1.5	LT16NR	–	–	–	**SSA3T**	T10
1131509	**A1620LSER16**	20	20	–	11,7	180	36	-15.0	-1.5	LT16NR	–	–	–	**SSA3T**	T10
1131524	**A2020LSER16**	20	24	20,0	13,4	180	40	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1131547	**A2525LSER16**	25	29	–	16,1	200	45	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1131566	**A2525LSER22**	25	32	–	17,2	200	45	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
1612584	**A2020LSER22**	20	27	20,0	15,6	180	50	-15.0	-1.5	LT22NR	–	–	–	**SSA4T**	T20
1131574	**A2532LSER16**	32	29	–	16,3	250	60	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1131582	**A2532LSER22**	32	32	–	17,4	250	60	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
1612587	**A3232LSER22**	32	39	32,0	21,5	250	60	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
1798922	**A4040LSER22**	40	47	40,0	25,8	300	60	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
1798920	**A1010LSER11**	10	13	10,0	7,3	100	100	-15.0	-1.5	LT11NR	–	–	–	**SSN2T**	T8
left hand															
1612586	**A2532LSEL16**	32	29	–	16,3	250	–	-15.0	-1.5	LT16NL	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1131458	**A1020LSEL11**	20	13	–	7,3	180	25	-15.0	-1.5	LT11NL	–	–	–	**SSN2T**	T8
1131476	**A1320LSEL11**	20	16	–	8,9	180	32	-15.0	-1.5	LT11NL	–	–	–	**SSN2T**	T8
1798980	**A1616LSEL16**	16	20	16,0	11,3	150	32	-15.0	-1.5	LT16NL	–	–	–	**SSA3T**	T10
1131499	**A1620LSEL16**	20	20	–	11,5	180	40	-15.0	-1.5	LT16NL	–	–	–	**SSA3T**	T10
1131516	**A2020LSEL16**	20	24	20,0	13,4	180	40	-15.0	-1.5	LT16NL	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1131532	**A2525LSEL16**	25	29	–	16,1	200	45	-15.0	-1.5	LT16NL	**SMYE3**	**SSY3T**	T10	**SSA3T**	T10
1131540	**A2525LSEL22**	25	32	–	17,2	200	45	-15.0	-1.5	LT22NL	**SMYE4**	**SSY4T**	T20	**SSA4T**	T20
1612585	**A2020LSEL22**	20	27	20,0	15,6	180	50	-15.0	-1.5	LT22NL	–	–	–	**SSA4T**	T20
1612588	**A3232LSEL22**	32	39	32,0	21,5	250	60	-15.0	-1.5	LT22NL	**SMYE4**	**SSY4T**	T20	**SSA4T**	T20
1799093	**A4040LSEL22**	40	47	40,0	25,8	300	60	-15.0	-1.5	LT22NL	**SMYE4**	**SSY4T**	T20	**SSA4T**	T20
1798979	**A1010LSEL11**	10	13	10,0	7,3	100	100	-15.0	-1.5	LT11NL	–	–	–	**SSN2T**	T8

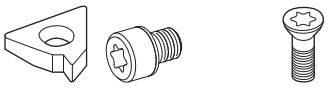


Carbide shank with through coolant.



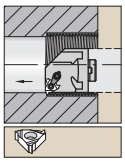


E-LSE

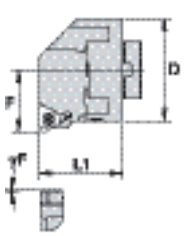


order number	catalogue number	D	D min	F	L1	A	γF°	γP°	gage insert	shim	shim screw	Torx	insert screw	Torx
right hand														
1152844	**E16RLSER16**	16	20	11,5	200,0	6	-15	-1.5	LT16NR	**—**	**—**	—	**SN3TPKG**	T10
1152846	**E20SLSER16**	20	24	13,4	250,0	7	-15	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1152848	**E25TLSER16**	25	29	15,8	300,0	8	-15	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10

NOTE: Items listed without a shim are designed for a 1.5° inclination angle.

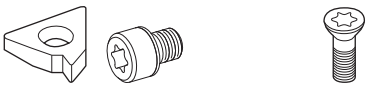


With through coolant.



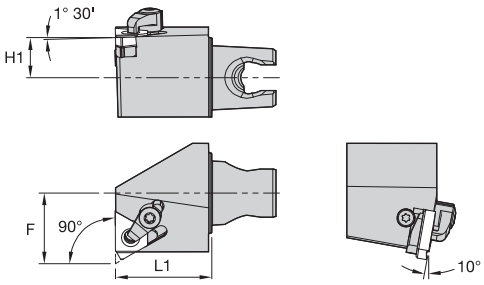


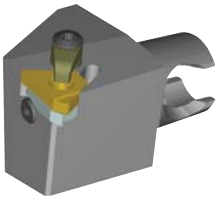
H-LSE



order number	catalogue number	D	D min	L1	F	γF°	γP°	gage insert	shim	shim screw	Torx	insert screw	Torx
right hand													
1095216	**H16LSER3**	25	30,5	41,3	16,4	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1095218	**H20LSER3**	32	36,8	41,3	19,3	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1095220	**H24LSER3**	38	44,7	41,3	22,5	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1095224	**H24LSER4**	38	45,3	41,3	24,7	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
1803997	**H40LSER22**	40	47,0	41,3	25,9	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
1803995	**H50LSER16**	50	54,0	41,3	28,6	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1803999	**H50LSER22**	50	56,0	41,3	30,5	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
3842905	**H50LSER27**	50	58,0	41,3	31,4	-15.0	-1.5	LT27NR	**SMYI5**	**SSY5T**	T25	**SSA5T**	T25
1095222	**H32LSER3**	51	61,0	41,3	32,4	-15.0	-1.5	LT16NR	**SMYI3**	**SSY3T**	T10	**SSA3T**	T10
1095226	**H32LSER4**	51	61,0	41,3	32,4	-15.0	-1.5	LT22NR	**SMYI4**	**SSY4T**	T20	**SSA4T**	T20
3842895	**H32LSER5**	51	61,0	41,3	32,5	-15.0	-1.5	LT27NR	**SMYI5**	**SSY5T**	T25	**SSA5T**	T25
3842897	**H40LSER5**	64	77,0	41,3	38,9	-15.0	-1.5	LT27NR	**SMYI5**	**SSY5T**	T25	**SSA5T**	T25

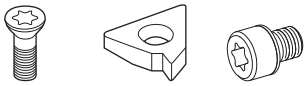
NOTE: For boring adaptors, see pages B386.



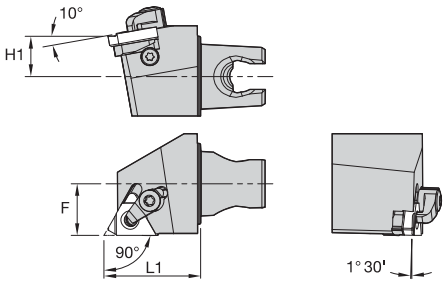


Clamp shown in images is no longer available.

LSE • End Mount



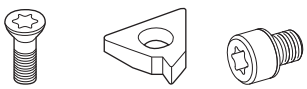
order number	catalogue number	L1	F	H1	gage insert	insert screw	shim	shim screw
right hand								
2399506	**KM25LSER1630**	30	22	12,5	LT16EL	**SSA3T**	**SMYI3**	**SSY3T**
left hand								
2399507	**KM25LSEL1630**	30	22	12,5	LT16ER	**SSA3T**	**SMYE3**	**SSY3T**





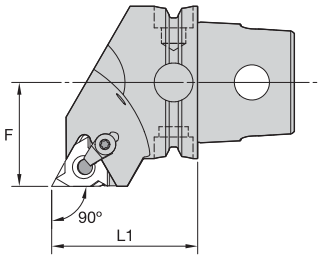
Clamp shown in images is no longer available.

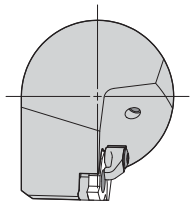
LSS • Side Mount

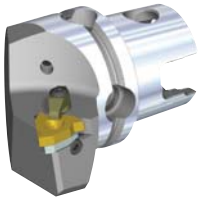


order number	catalogue number	L1	F	H1	gage insert	insert screw	shim	shim screw
right hand								
2399504	**KM25LSSR1630**	30	16	12,5	LT16ER	**SSA3T**	**SMYE3**	**SSY3T**
3176219	**KM25LSSR2230**	30	16	12,5	LT22ER	**SSA4T**	**SMYE4**	**SSY4T**
left hand								
2399505	**KM25LSSL1630**	30	16	12,5	LT16EL	**SSA3T**	**SMYI3**	**SSY3T**
3176220	**KM25LSSL2230**	30	16	12,5	LT22EL	**SSA4T**	**SMYI4**	**SSY4T**

KM QUICK CHANGE

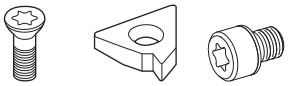






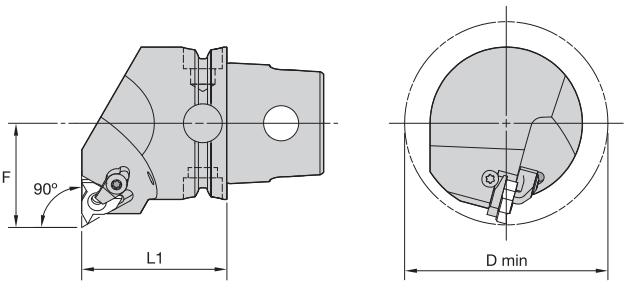
Clamp shown in images is no longer available.

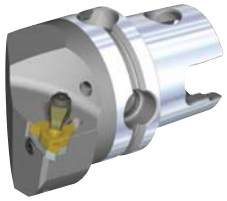
LSS 90°



order number	catalogue number	L1 mm	L1 in	F mm	F in	gage insert	insert screw	shim	shim screw	kg	lbs
right hand											
3950857	**KM40TSLSSR16**	40	1.575	27	1.063	LT16ER	**SSA3T**	**SMYE3**	**SSY3T**	0,31	.68
3950858	**KM40TSLSSR22**	40	1.575	27	1.063	LT22ER	**SSA4T**	**SMYE4**	**SSY4T**	0,30	.66
3959401	**KM40TSLSSR27**	45	1.772	27	1.063	LT27ER	**SSA5T**	**SMYE5**	**SSY5T**	0,37	.82
left hand											
3950855	**KM40TSLSSL16**	40	1.575	27	1.063	LT16EL	**SSA3T**	**SMYI3**	**SSY3T**	0,32	.70
3950856	**KM40TSLSSL22**	40	1.575	27	1.063	LT22EL	**SSA4T**	**SMYI4**	**SSY4T**	0,31	.68
3959400	**KM40TSLSSL27**	45	1.772	27	1.063	LT27EL	**SSA5T**	**SMYI5**	**SSY5T**	0,37	.82



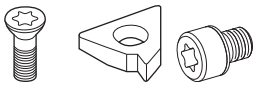




Clamp shown in images is no longer available.

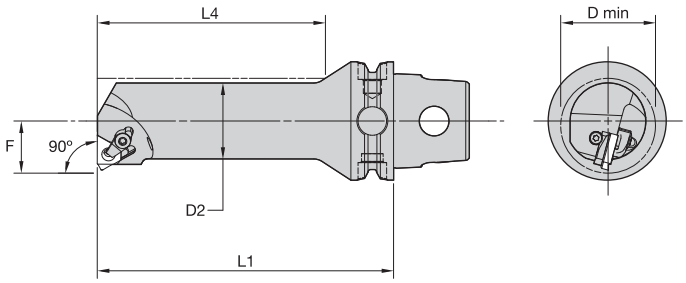
KM QUICK CHANGE

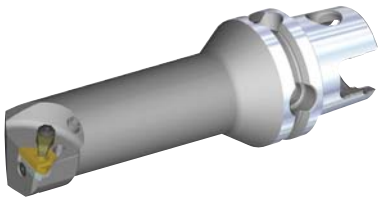
LSE-N 90° • Internal Only



order number	catalogue number	L1 mm	L1 in	F mm	F in	D min mm	D min in	gage insert	insert screw	shim	shim screw	kg	lbs
right hand													
3950832	**KM40TSLSER16N**	40	1.575	27	1.063	54	2.126	LT16NR	**SSA3T**	**SMYI3**	**SSY3T**	0,35	.77
3950854	**KM40TSLSER22N**	40	1.575	27	1.063	54	2.126	LT22NR	**SSA4T**	**SMYI4**	**SSY4T**	0,35	.77
3959399	**KM40TSLSER27N**	45	1.772	27	1.063	54	2.126	LT27NR	**SSA5T**	**SMYI5**	**SSY5T**	0,39	.86
left hand													
3950831	**KM40TSLSEL16N**	40	1.575	27	1.063	54	2.126	LT16NL	**SSA3T**	**SMYE3**	**SSY3T**	0,35	.77







Clamp shown in images is no longer available.

KM QUICK CHANGE

LSE 90°

order number	catalogue number	D2 mm	D2 in	D min mm	D min in	F mm	F in	L4 mm	L4 in	L1 mm	L1 in	gage insert	kg	lbs
right hand														
3955464	**KM40TSS10DLSER11**	10	.39	13	.51	7	.276	35	1.38	60	2.362	LT11NR	0,22	.49
3955466	**KM40TSS12ELSER11**	12	.47	16	.63	9	.354	42	1.66	70	2.756	LT11NR	0,25	.56
3955468	**KM40TSS16FLSER16**	16	.63	20	.79	11	.433	56	2.21	80	3.150	LT16NR	0,28	.61
3955470	**KM40TSS20GLSER16**	20	.79	25	.98	13	.512	70	2.76	90	3.543	LT16NR	0,34	.75
3955472	**KM40TSS25HLSER16**	25	.98	32	1.26	17	.669	75	2.95	100	3.937	LT16NR	0,50	1.11
3955474	**KM40TSS32JLSER16**	32	1.26	40	1.57	22	.866	96	3.78	110	4.331	LT16NR	0,72	1.58
3955476	**KM40TSS32JLSER22**	32	1.26	40	1.57	22	.866	96	3.78	110	4.331	LT22NR	0,71	1.56
left hand														
3955463	**KM40TSS10DLSEL11**	10	.39	13	.51	7	.276	35	1.38	60	2.362	LT11NL	0,22	.49
3955465	**KM40TSS12ELSEL11**	12	.47	16	.63	9	.354	42	1.65	70	2.756	LT11NL	0,25	.55
3955469	**KM40TSS20GLSEL16**	20	.79	25	.98	13	.512	70	2.76	90	3.543	LT16NL	0,34	.75
3955471	**KM40TSS25HLSEL16**	25	.98	32	1.26	17	.669	75	2.95	100	3.937	LT16NL	0,50	1.11
3955473	**KM40TSS32JLSEL16**	32	1.26	40	1.57	22	.866	96	3.78	110	4.331	LT16NL	0,72	1.58
3955475	**KM40TSS32JLSEL22**	32	1.26	40	1.57	22	.866	96	3.78	110	4.331	LT22NL	0,71	1.56

NOTE: Items listed without a shim are designed for a 1,5° inclination angle.

Spare Parts



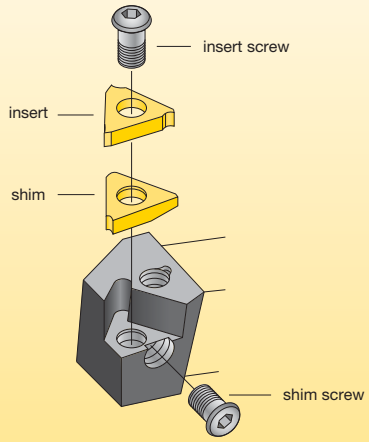


catalogue number	insert screw	shim	shim screw
right hand			
KM40TSS10DLSER11	**SSN2T**	**–**	**–**
KM40TSS12ELSER11	**SSN2T**	**–**	**–**
KM40TSS16FLSER16	**SN3TPKG**	**–**	**–**
KM40TSS20GLSER16	**SSA3T**	**SMYI3**	**SSY3T**
KM40TSS25HLSER16	**SSA3T**	**SMYI3**	**SSY3T**
KM40TSS32JLSER16	**SSA3T**	**SMYI3**	**SSY3T**
KM40TSS32JLSER22	**SSA4T**	**SMYI4**	**SSY4T**
left hand			
KM40TSS10DLSEL11	**SSN2T**	**–**	**–**
KM40TSS12ELSEL11	**SSN2T**	**–**	**–**
KM40TSS20GLSEL16	**SSA3T**	**SMYE3**	**SSY3T**
KM40TSS25HLSEL16	**SSA3T**	**SMYE3**	**SSY3T**
KM40TSS32JLSEL16	**SSA3T**	**SMYE3**	**SSY3T**
KM40TSS32JLSEL22	**SSA4T**	**SMYE4**	**SSY4T**

Laydown Threading Toolholders

In all cases, the proper shim selection is important.

Kennametal toolholders are supplied with a shim for a 1.5° lead angle. Change the shim if your thread is more than 1° different.
For more details on proper shim selections, see pages D109–D110.



insert size and screw	insert screw	shim	shim screw and washer
3ER	SS-A3T	SM-YIE3	SS-Y3T
3EL	SS-A3T	SM-YI3	SS-Y3T
4ER	SS-A4T	SM-YIE4	SS-Y4T
4EL	SS-A4T	SM-YI4	SS-Y4T
Laydown Threading boring bars			
2IR	SS-N2T	–	–
2IL	SS-N2T	–	–
3IR	SS-A3T	SM-YI3	SS-Y3T
3IL	SS-A3T	SM-YIE3	SS-Y3T
4IR	SS-A4T	SM-YI4	SS-Y4T
4IL	SS-A4T	SM-YIE4	SS-Y4T

SM	—	Y	E	3	—	2N
Shim		Y-shim for Laydown standard inserts	E – External I – Internal	IC –16mm		Shim Angle

2P	2° positive
1P	1° positive
–	0°
1N	1° negative
2N	2° negative
3N	3° negative

resultant angle		3.5°	2.5°	1.5°	0.5°	-0.5°	-1.5°
insert size (IC)	toolholder	shim ordering code					
16mm	ex. RH/in. LH ex. LH/in. RH	SM-YE3-2P SM-YI3-2P	SM-YE3-1P SM-YI3-1P	SM-YE3 SM-YI3	SM-YE3-1N SM-YI3-1N	SM-YE3-2N SM-YI3-2N	SM-YE3-3N SM-YI3-3N
22mm	ex. RH/in. LH ex. LH/in. RH	SM-YE4-2P SM-YI4-2P	SM-YE4-1P SM-YI4-1P	SM-YE4 SM-YI4	SM-YE4-1N SM-YI4-1N	SM-YE4-2N SM-YI4-2N	SM-YE4-3N SM-YI4-3N

Slanted Shim Kit

Because you might occasionally need different shims than those supplied with our standard toolholders, we strongly recommend that shim kits be readily available in every tool shop.

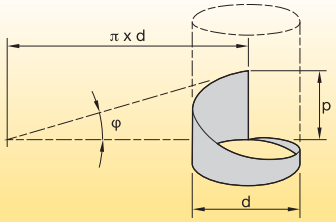
insert size	shim size (D)	ordering code	contains slanted shims
3x	16mm	ABY3SET	SM-YE3-2P, 1P, 1N, 2N, 3N SM-YI3-2P, 1P, 1N, 2N, 3N
4x	22mm	ABY4	SM-YE4-2P, 1P, 1N, 2N, 3N SM-YI4-2P, 1P, 1N, 2N, 3N

The Helix Angle

Example:
d = 48,06mm (1.892")
p = 3,175mm (.125")

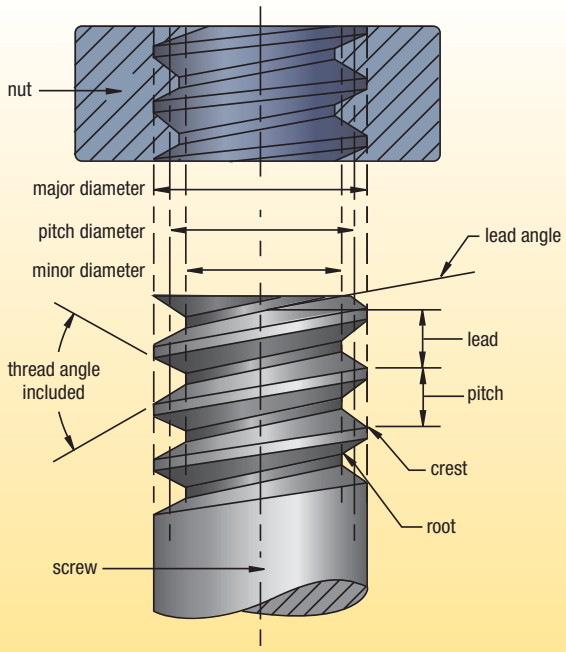
ϕ = Helix angle
p = pitch
d = pitch diameter

$$\phi = \arctan\left(\frac{p * starts}{\pi * \varnothing}\right) = 1.13°$$



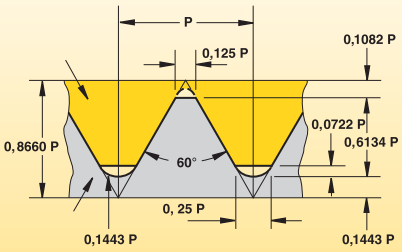
Screw Thread Definitions

1. **Major diameter** — The largest diameter of a straight screw thread. This applies to both internal and external threads.
2. **Pitch diameter** — On a straight thread, it is the diameter which passes through the thread profiles at such points which make the thread width of the groove equal to one-half of the basic pitch. On a "perfect thread," this occurs at the point where the widths of the thread and groove are equal.
3. **Thread angle (included)** — The included angle between the individual flanks of the thread form.
4. **Minor diameter** — The smallest diameter of a straight screw thread. This applies to both internal and external threads.
5. **Lead angle** — On a straight thread, the lead angle is the angle created by the helix of the thread at the pitch diameter with a plane perpendicular to the axis.
6. **Lead** — The distance a screw thread advances axially in one revolution. On a single start, the pitch and lead are identical. The lead is equal to the pitch times the number of starts.
7. **Pitch** — The distance from a point on a screw thread to a corresponding point on the next thread measured parallel to the thread axis.
8. **Crest** — The outer most surface of the thread form which joins the flanks.
9. **Root** — The inner most surface of the thread form which joins the flanks.



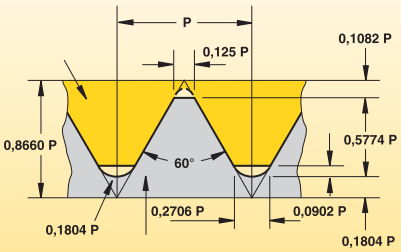
NOTE: Threads per inch (TPI) not shown:
The number of threads per inch measured axially.
The terms pitch and TPI are often used interchangeably. TPI = 1/pitch

ISO M (Metric) and UN (Unified National)



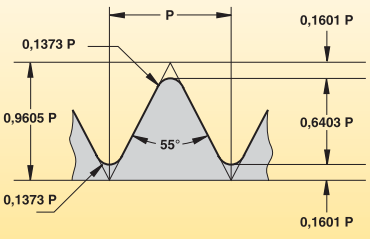
Use: All branches of mechanical industry.

UNJ (controlled root radius)



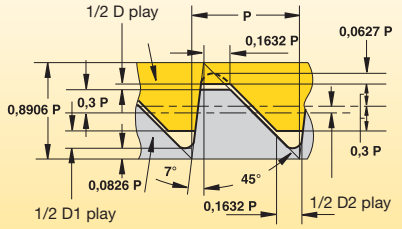
Use: Aircraft and space industry.

Whitworth (BSW)



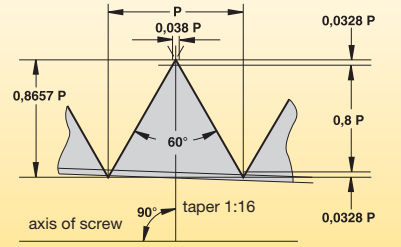
Use: Fittings and pipe couplings for gas, water, and sewer lines (replaced by ISO).

American Buttress



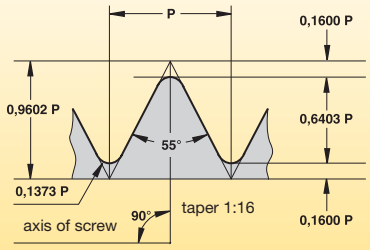
Use: Fittings and pipe couplings.

NPT (American National Pipe Thread)



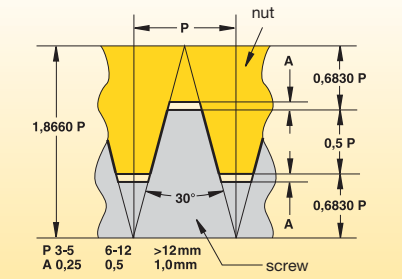
Use: Fittings and pipe couplings.

BSPT (British Standard Pipe Thread)



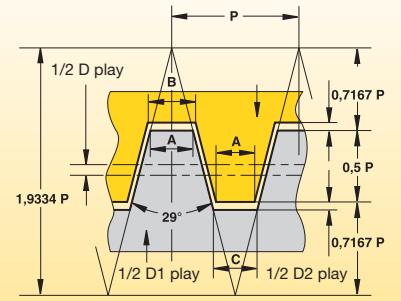
Use: Pipe thread for steam, gas, and water lines.

TR DIN 103



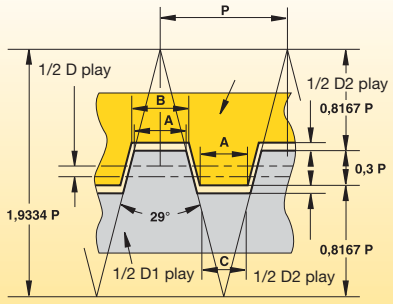
Use: Mechanical industry for motion transmission screws.

Acme



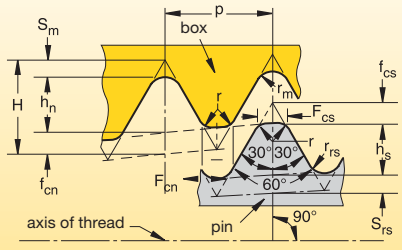
A = 0,0307 P
B = 0,3707 P—x D play
C = 0,3707 P—(D1 play—D2 play)
Use: Acme-General is used in mechanical industry for motion transmission screws.

Acme, truncated (Stub)



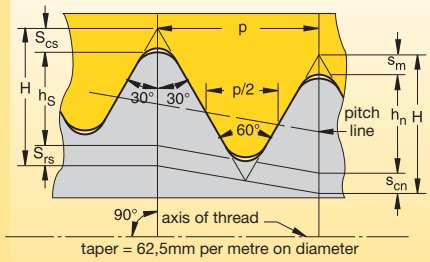
A = 0,4224 P
B = 0,4224 P—x D play
C = 0,4224 P—(D1 play—D2 play)
Use: Where normal Acme is too deep.

API Rotary Shoulder Connection



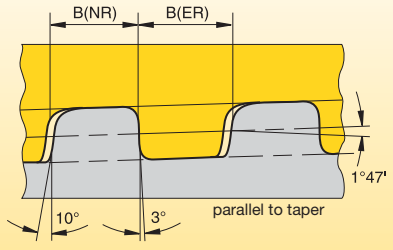
NOTE: Taper shown exaggerated.

API Casing and Tubing Round Thread Form



NOTE: Taper shown exaggerated.

API Buttress

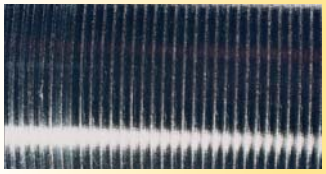


Suggested Grades and Speeds for Threading Various Workpiece Materials

workpiece group	workpiece material	recommended surface speed — m/mm				
		uncoated	PVD coated			
		K68	KC5010	KC5025	KC5410	KU25T
free-machining carbon steel	10L18, 10L45, 1213, 12L13, 12L14, 1140, 1141, 11L44, 1151, 10L50	—	91–198	45–198	—	91–137
plain carbon steel	10063, 1008, 1010, 1015, 1018, 1020, 1025, 1026, 1108, 1117	—	76–198	45–175	—	76–122
alloy steels/tool steels 150–325 HB (up to 35 HRC)	1042, 1045, 1070, 1080, 1085, 1090, 1095, 1541, 1561, 1572, 5140, 8620, W1, O1, S1, P20, H13, D2, A6, H13, L6	—	76–198	38–167	—	73–122
alloy steels/tool steels 330–450 HB (36–47 HRC)		—	61–160	—	—	61–106
martensitic/ferritic stainless/precipitation hardening	416, 420F, 440F, 405, 409, 429, 430, 434, 436, 442, PH	—	45–160	30–122	—	24–61
austenitic stainless steel	201, 202, 301, 302, 303, 304, 304, 305, 321, 347, 348, 310, 314, 316, 316L, 330	61–106	61–198	46–137	—	24–106
grey cast iron 135–270 HB	class 20, 30, 35, 45	61–91	61–237	46–122	—	30–110
grey cast iron 275–450 HB	class 50, 55, 60	45–76	45–175	15–76	—	30–110
alloy/ductile iron	A536, J434C, 60-40-18, 80-55-06, 100-70-03	45–76	45–198	30–160	—	30–110
free-machining aluminium alloys	2024-T4, 2014-T6, 6061-T6 2011-T3, 3003-H18, A2, Alcan, Alcoa 510, Duralumin	122–244	122–365	—	152–457	30–305
high-silicon aluminium alloys	A380, A390, A380-1, A390-1, A380-2	—	—	—	—	—
copper/zinc/brass		76–183	76–304	46–236	—	30–244
non-metallics	Graphite, Nylon, Plastics, Rubbers, Phenolics, Carbon	122–457	122–396	46–305	—	30–244
high-temperature alloys 125–269 HB (up to 27 HRC)	Nickel 200, Monel, R405, Monel K500, INCONEL 600, INCONEL® 625/901x750/718, Waspaloy, Hastelloy C	24–37	24–122	13–76	—	11–85
high-temperature alloys 260–450 HB (26–47 HRC)	Rene 95, Waspaloy A286, Incoloy 800, Haynes 188, Stellite F, Haynes 25	24–30	30–76	6–61	—	11–61
titanium alloys	Ti-6Al-4V, TI-5Al-2.5Sn	34–55	34–99	—	—	11–76

NOTE: When workpiece hardness levels are at the top of a range, starting m/mm should be at the lower end. Regularly inspect insert clamps for worn flats.

Edge preparation:
Uncoated — sharp
PVD coated — light hone except positive top rake, top rake-sharp

problem	cause	possible solution
thread with torn finish 	• Burs. • Torn finish. • Steps. • Improper shim. • Improper infeed.	• Use modified flank infeed. • Use full profile insert. • Increase coolant concentration. • Increases m/min. • Check machine “Z” travel axis. • Check insert form. • Check for correct shim in LT system. • Calculate flank clearance.
chatter 	• Poor rigidity. • Insert movement. • Improper infeed. • Off centreline.	• Use modified flank infeed. • Minimise tool overhang. • Check for workpiece deflection. • Check insert and clamp. • Verify that tool cutting position is at workpiece centreline. • Adjust number of passes. Fewer passes reduce chatter.
built-up edge 	• Speed too low. • Insufficient coolant. • Chip load.	• Increase m/min. • Increase coolant concentration and/or flow. • Adjust infeed angle. • Increase depth of cut per pass.
deformation 	• Wrong grade. • Speed too high. • Improper infeed angle. • Insufficient coolant.	• Use modified flank infeed. • Use a more wear-resistant grade (e.g., KC5010™). • Reduce m/mm. • Increase coolant flow.
chipping  	• Improper infeed. • Chip load. • Wrong grade. • Incorrect speed. • Poor rigidity.	• Use modified flank infeed. • Increase or decrease number of passes. • Eliminate spring passes. • Use tougher grade (e.g., KC5025™). • Increase m/mm if chipping on trailing edge. • Decrease m/mm if chipping on leading edge. • Minimise tool overhang. • Check for insert movement/check clamp. Torque screw or clamp to correct value. • Check for possible part deflection. • Calculate flank clearance. • Ensure correct shim.
broken nose 	• Heavy chip load. • Small nose radius. • Wrong grade. • Improper infeed.	• Use modified flank infeed. • Decrease chip load. • Use large nose radius if possible. • Use tougher grade (e.g., KC5025).
flank wear 	• Improper shim. • Wrong grade. • Insufficient coolant. • Off centreline. • Insufficient flank clearance. • Improper infeed angle.	• Ensure correct shim. • Use a more wear-resistant grade (e.g., KC5025). • Increase coolant flow. • Check the centreline height of the tool. (The smaller the diameter, the more critical the need for centreline accuracy.) • Calculate flank clearance and change shim to increase clearance on worn flank. • If wear is on trailing flank, increase infeed angle clearance.

(continued)

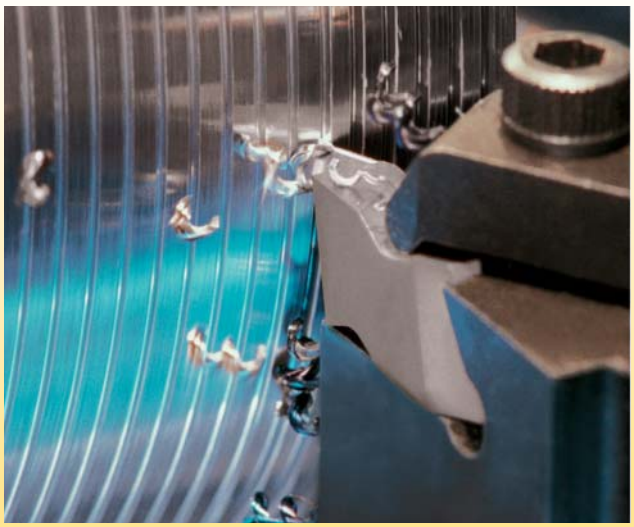
(Technical Information • Failure and Solution Guide — continued)

problem	possible solution																	
	increase m/min	reduce m/min	increase chip load	decrease chip load where failure occurs	use tougher carbide grade	use harder carbide grade	apply coolant	use coated carbide	use topping insert	change infeed angle	check for insert movement and reseat	reduce tool overhang	reselect shim	apply chipbreaker style	reduce DOC	adjust centre height	begin cutting threads 12mm before workpiece	change infeed method
chatter	•			•							•	•				•		•
bur on crest	•								•									•
short tool life		•	•	•		•		•										•
chipped leading edge			•	•	•													
chipped trailing edge					•					•								
broken nose (first pass)	•														•	•		
broken nose (after first pass)				•	•					•			•					•
built-up on cutting edge	•		•				•	•										•
premature topping													•					
splitting threads																	•	
poor chip evacuation														•				•

Kennametal insert technology brings chip control to your threading operations with the Top Notch™ platform. The proprietary Kennametal recessed chip groove, when used according to our recommendations, controls the chip in most applications. Our positive rake design lowers cutting pressures, which in turn lowers damaging heat generation thus providing better tool life. Long, stringy chips no longer mar the workpiece surface finish. The danger to operators when removing long chips from the workpiece and chuck is eliminated. All of these benefits combine to improve the productivity of your threading operations.

The Last Pass

Some CNC controls require the last pass to be at a 0° infeed angle because the chip will not break on the last pass. On most carbon and alloy steels, the last pass can remain at 0,127mm depth of cut and produce an acceptable finish. For some materials, a 0,025mm to 0,076mm (spring) pass may be used to improve surface finish, however, chip breaking action may be compromised.

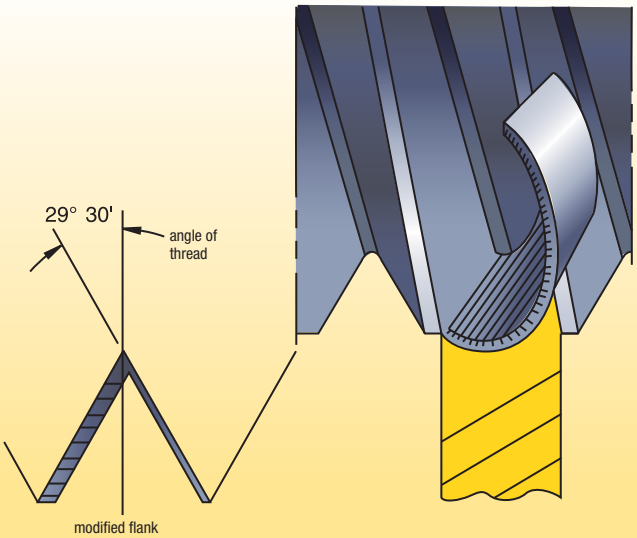


Machine Programming

Modern CNC controls allow the programmer to easily adjust infeed angle, the number of passes, and depth of cut for each pass. The chip control threading insert performs best at an infeed angle of 29° 30', although 15° to 30° is acceptable. Also, it is important to maintain a minimum of 0,127mm depth of cut on every pass. In most applications, use of CNC canned cycles produce only marginally successful results. Custom written programmes are better and are recommended.

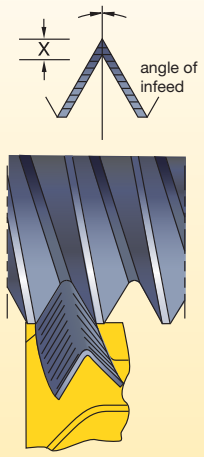
Infeed Angle

In order to effectively and consistently break the chip, it is important to use an infeed angle between 28° and 29° 30'. Do not apply chip control inserts at infeed angles less than 15°.



Radial

modified flank



Advantage —

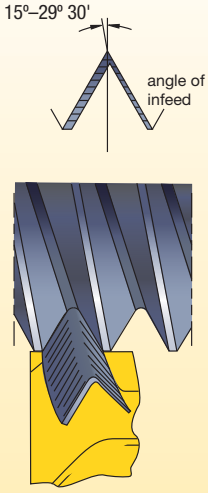
- Cutting on both sides of the thread form places all of the cutting edge in the cut and protects edge from chipping.
- Even wear on the insert.

Disadvantage —

- Tool develops a channel chip that may be difficult to handle.
- Tip chipping occurs when cutting high-tensile materials.
- Bur condition is increased.
- Entire cutting edge is engaged at finish of thread, causing increased tendency to chatter.

Modified flank

modified flank



Advantage —

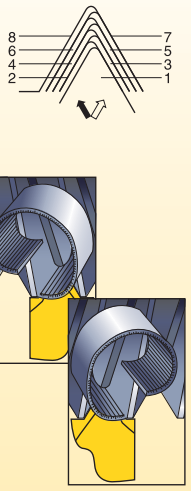
- Tool cuts both sides of thread form, so it is protected from chipping similar to 0° infeed. Channel-type chip develops, but uneven chip thickness helps remove the chip similar to flank infeed.
- This is the preferred method, especially when used with a chip control insert.
- Combined radial and/or alternating flank infeed.
- Results in good tool life, with wear evenly distributed over both flanks.

Disadvantage —

- Similar disadvantages as with 0° infeed, although reduced somewhat in magnitude as cutting forces are better equalised and chip flow is much less of a problem.

Alternating flank

alternating flank



Advantage —

- Increased tool life because both edges are used equally.

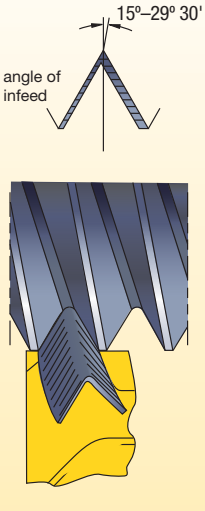
NOTE: Some machine tools may require special programming techniques to achieve this method of infeed.

Disadvantage —

- Difficult to cut on conventional machinery.

Reversed modified flank

modified flank



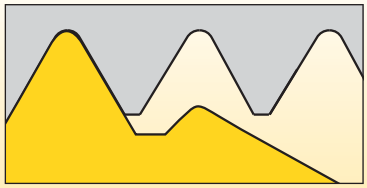
Advantage —

- Tool cuts both sides of thread form, so it is protected from chipping similar to 0° infeed. Channel-type chip develops, but uneven chip thickness helps remove the chip similar to flank infeed.
- This is the preferred method, especially when used with a chip control insert.
- Combined radial and/or alternating flank infeed.
- Results in good tool life, with wear evenly distributed over both flanks.
- As chip flow is the reversed feed direction, it is an excellent choice for internal threading.

Disadvantage —

- Programming needs to be done line by line.

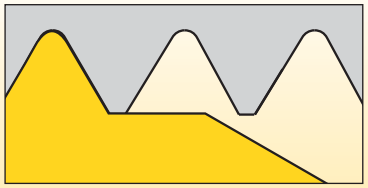
Partial Profile



Tooth profile with universal profile shape:

- Reduced inventory.
- For various pitches in a limited range.
- Major/minor diameters must be accurately pre-turned.

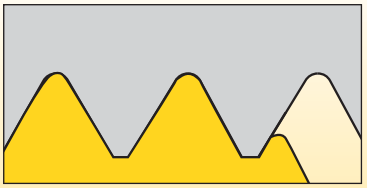
Full Profile



Tooth profile with full profile shape including tooth height:

- For bur-free, precise threads in the specified pitch.
- General application.
- Machining allowance for outside/core diameter around .004–.006".

Multi-Tooth Profile



Multi-tooth full profile generally with 2–3 teeth:

- Highly productive threading with fewer passes and longer tool life.
- Requires a rigid setup and long thread pass through.

Formulas

Metric Formula		
to find	**given**	**formula**
m/min	D (mm) RPM	$m/min = \frac{\pi \times D}{1000} \times RPM$
RPM	D (mm) m/min	$RPM = \frac{m/min \times 1000}{D \times \pi}$

Legend

m/min	=	metres per minute
RPM	=	revolutions per minute
D	=	part diameter
π	=	3.1416

Maximum Cutting Speeds

On older machines cutting speed is often limited by the maximum travel speed (IPM or mm/min) of the tool allowed by the machine. Check your maximum speed with the following formulas:

metric formula: maximum cutting speed (m/min) =
part diameter (mm) x 3.14 x (1/pitch) x $\frac{\text{max mm/min}}{1000\text{mm}}$

Flank clearance

γ = arctan (sin (β/2) * tan(α))
γ = side (flank) clearance
β = included angle of thread form
α = radial inclination angle

Thread	Angle	External	Internal
UN & ISO	60	5.3	8
BSW	55	4.8	7.3
TR	30	2.6	4
ACME	29	2.6	3.9
AMBUT	7	.6	.9
AMBUT	45	4	6

Recommendation for Threading Infeed Passes

TPI	48–32	28–24	20–16	14–12	11.5–9	8–6	5–4	3–2
metric pitch (mm)	0,50–0,75	0,80–1	1,25–1,5	1,75–2	2,5–3	3,5–4	4,5–6	8,0
Thread Type	**recommended number of passes**							
Common V-thread forms ISO, UN, UNJ, NPT, Whitworth, BSPT, API Rotary Shoulder	4–5	5–6	6–8	8–10	9–12	12–15	14–16	15–25
Acme, Trapez, Round, API Round	—	—	5–6	7–8	10–11	12–13	13–15	18–20
Stub Acme, API Buttress	—	—	5	5–6	7–8	8–10	10–12	14–16
American Buttress	—	—	7–8	9–10	11–12	13–15	17–19	22–24

NOTE: Maintain minimum .0,05mm infeed on last passes to avoid work hardening and excessive abrasion of the threading tool.

Constant Volume Infeed Values for Threading Operations

In most applications, use of CNC canned cycles produces only marginally successful results. For example, an 8-pitch external thread has a depth of 2mm (.0789").

$$\Delta ap_x = \frac{ap}{\sqrt{nap-1}} * \sqrt{\phi}$$

Formula for constant chip load infeed

Δap = radial infeed
x = actual pass (from 1 to the nap)
nap = number of passes
ϕ = 1st pass, 0.3
2nd pass, 1
3rd pass and up, x-1

Using Radial Infeed

Bending stress on the cutting edge caused by V-shaped chips from long-chipping steel workpiece materials.

High cutting forces with small cutting thicknesses require sharp edges with high strength.

Using Flank Infeed

Lower bending stress and stabilised cutting edges produce more favourable chip shapes and larger cutting thicknesses.

Carbides with high hardness, good wear resistance, and temperature stability are advantageous.

Guidelines for Infeeds — How to Determine the Number and the Size of Passes

The number of passes “s” per thread is decisive for successful threading and crest turning. The following tables give standard values for the application condition when machining steel. The proper number of passes must be determined empirically.

If insert breakage occurs, the number of passes must be increased. With increased wear, we recommend decreasing the number of passes. The chip thickness should not be less than 0,05mm. The allowance at the diameter should not exceed 0,2mm.

Metric ISO, External Thread Cutting

thread pitch P (mm)	0,50	0,75	1,00	1,25	1,50	1,75	2,00	2,50	3,00	3,50	4,00	4,50	5,00
T Ap (mm)	0,305	0,457	0,610	0,762	0,914	1,067	1,219	1,524	1,829	2,159	2,464	2,769	3,073
N Ap	4	4	5	6	6	8	8	10	12	14	15	15	16
	values for flank infeed (X/Z)												
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z
1	0,096	0,145	0,167	0,187	0,224	0,221	0,252	0,278	0,302	0,328	0,361	0,405	0,435
2	0,080	0,119	0,138	0,154	0,185	0,182	0,208	0,230	0,249	0,271	0,298	0,335	0,359
3	0,073	0,109	0,126	0,141	0,169	0,167	0,191	0,210	0,228	0,248	0,273	0,306	0,329
4	0,056	0,084	0,097	0,108	0,130	0,128	0,146	0,161	0,175	0,190	0,209	0,235	0,252
5			0,082	0,091	0,110	0,108	0,123	0,136	0,148	0,160	0,176	0,198	0,213
6				0,080	0,097	0,095	0,109	0,120	0,130	0,141	0,155	0,175	0,187
7						0,086	0,098	0,108	0,118	0,128	0,141	0,158	0,169
8						0,079	0,090	0,100	0,108	0,118	0,129	0,145	0,156
9								0,093	0,101	0,109	0,120	0,135	0,145
10								0,087	0,095	0,103	0,113	0,127	0,136
11									0,089	0,097	0,107	0,120	0,129
12									0,085	0,092	0,102	0,114	0,122
13										0,088	0,097	0,109	0,117
14										0,085	0,093	0,105	0,112
15											0,090	0,101	0,108
16													0,104
T Ap (mm)	0,305	0,457	0,610	0,762	0,914	1,067	1,219	1,524	1,829	2,159	2,464	2,769	3,073

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

Metric ISO, Internal Thread Cutting

thread pitch P (mm)	0,50	0,75	1,00	1,25	1,50	1,75	2,00	2,50	3,00	3,50	4,00	4,50	5,00
T Ap (mm)	0,279	0,406	0,533	0,686	0,813	0,940	1,092	1,346	1,626	1,905	2,159	2,438	2,718
N Ap	4	4	5	6	6	8	8	10	11	12	14	15	16
	values for flank infeed (X/Z)												
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z
1	0,088	0,129	0,146	0,168	0,199	0,195	0,226	0,246	0,282	0,315	0,328	0,357	0,384
2	0,073	0,106	0,121	0,139	0,164	0,161	0,187	0,203	0,232	0,260	0,271	0,295	0,317
3	0,067	0,097	0,110	0,127	0,151	0,147	0,171	0,186	0,213	0,238	0,248	0,270	0,291
4	0,051	0,075	0,085	0,097	0,116	0,113	0,131	0,143	0,163	0,183	0,190	0,207	0,223
5			0,071	0,082	0,097	0,095	0,111	0,120	0,138	0,154	0,160	0,175	0,188
6				0,072	0,086	0,084	0,097	0,106	0,121	0,136	0,141	0,154	0,166
7						0,076	0,088	0,096	0,110	0,123	0,128	0,139	0,150
8						0,070	0,081	0,088	0,101	0,113	0,118	0,128	0,138
9								0,082	0,094	0,105	0,109	0,119	0,128
10								0,077	0,088	0,099	0,103	0,112	0,120
11									0,083	0,093	0,097	0,106	0,114
12									0,000	0,089	0,092	0,101	0,108
13										0,000	0,088	0,096	0,103
14										0,000	0,085	0,092	0,099
15											0,000	0,089	0,096
16													0,092
T Ap (mm)	0,279	0,406	0,533	0,686	0,813	0,940	1,092	1,346	1,626	1,905	2,159	2,438	2,718

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

UN Thread, External Thread Cutting

TPI	24	20	18	16	14	12	11	10	9	8	7	6	5
T Ap (mm)	0,660	0,787	0,864	0,965	0,914	1,067	1,219	1,524	1,829	2,159	2,464	2,769	3,073
N Ap	5	6	6	7	9	9	10	11	12	13	14	15	16
	values for flank infeed (X/Z)												
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z
1	0,181	0,193	0,212	0,216	0,177	0,207	0,223	0,264	0,302	0,341	0,374	0,405	0,435
2	0,149	0,159	0,175	0,178	0,146	0,171	0,184	0,218	0,249	0,282	0,309	0,335	0,359
3	0,137	0,146	0,160	0,163	0,134	0,156	0,168	0,200	0,228	0,258	0,283	0,306	0,329
4	0,105	0,112	0,123	0,125	0,103	0,120	0,129	0,153	0,175	0,198	0,217	0,235	0,252
5	0,088	0,094	0,103	0,106	0,087	0,101	0,109	0,129	0,148	0,167	0,183	0,198	0,213
6		0,083	0,091	0,093	0,076	0,089	0,096	0,114	0,130	0,147	0,161	0,175	0,187
7				0,084	0,069	0,080	0,087	0,103	0,118	0,133	0,146	0,158	0,169
8					0,063	0,074	0,080	0,095	0,108	0,122	0,134	0,145	0,156
9					0,059	0,069	0,074	0,088	0,101	0,114	0,125	0,135	0,145
10							0,070	0,083	0,095	0,107	0,117	0,127	0,136
11								0,078	0,089	0,101	0,111	0,120	0,129
12									0,085	0,096	0,105	0,114	0,122
13										0,092	0,101	0,109	0,117
14											0,097	0,105	0,112
15												0,101	0,108
16													0,104
T Ap (mm)	0,660	0,787	0,864	0,965	0,914	1,067	1,219	1,524	1,829	2,159	2,464	2,769	3,073

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

UN Thread, Internal Thread Cutting

TPI	24	20	18	16	14	12	11	10	9	8	7	6	5
T Ap (mm)	0,584	0,686	0,762	0,864	0,991	1,143	1,245	1,372	1,524	1,727	1,956	2,286	2,743
N Ap	5	6	6	7	8	9	9	10	11	12	13	14	15
	values for flank infeed (X/Z)												
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z
1	0,160	0,168	0,187	0,193	0,205	0,221	0,241	0,250	0,264	0,285	0,309	0,347	0,402
2	0,132	0,139	0,154	0,159	0,169	0,183	0,199	0,207	0,218	0,236	0,255	0,287	0,332
3	0,121	0,127	0,141	0,146	0,155	0,167	0,182	0,189	0,200	0,216	0,234	0,263	0,304
4	0,093	0,097	0,108	0,112	0,119	0,128	0,140	0,145	0,153	0,166	0,179	0,202	0,233
5	0,078	0,082	0,091	0,094	0,100	0,108	0,118	0,123	0,129	0,140	0,151	0,170	0,196
6		0,072	0,080	0,083	0,088	0,095	0,104	0,108	0,114	0,123	0,133	0,150	0,173
7				0,075	0,080	0,086	0,094	0,098	0,103	0,111	0,120	0,135	0,156
8					0,073	0,079	0,086	0,090	0,095	0,102	0,111	0,124	0,144
9						0,074	0,080	0,084	0,088	0,095	0,103	0,116	0,134
10								0,078	0,083	0,089	0,097	0,109	0,126
11									0,078	0,085	0,092	0,103	0,119
12										0,080	0,087	0,098	0,113
13											0,083	0,094	0,108
14											0,080	0,090	0,104
15													0,100
16													
T Ap (mm)	0,584	0,686	0,762	0,864	0,991	1,143	1,245	1,372	1,524	1,727	2,036	2,286	2,743

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

NPT Thread, External, and Internal Machining

TPI	27	18	14	11.5	8
T Ap (mm)	0,762	1,118	1,422	1,727	2,489
N Ap	6	8	10	12	14
	values for flank infeed (X/Z)				
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z
1	0,187	0,231	0,260	0,285	0,378
2	0,154	0,191	0,214	0,236	0,312
3	0,141	0,175	0,196	0,216	0,286
4	0,108	0,134	0,151	0,166	0,219
5	0,091	0,113	0,127	0,140	0,185
6	0,080	0,100	0,112	0,123	0,163
7		0,090	0,101	0,111	0,147
8		0,083	0,093	0,102	0,135
9			0,087	0,095	0,126
10			0,081	0,089	0,118
11				0,085	0,112
12				0,080	0,107
13					0,102
14					0,098
15					
16					
T Ap (mm)	0,762	1,118	1,422	1,727	2,489

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

BSPT Thread, External, and Internal Machining

TPI	28	19	14	11
T Ap (mm)	0,584	0,864	1,168	1,448
N Ap	5	8	10	12
	values for flank infeed (X/Z)			
order of passes	X/Z	X/Z	X/Z	X/Z
1	0,160	0,179	0,213	0,239
2	0,132	0,148	0,176	0,197
3	0,121	0,135	0,161	0,181
4	0,093	0,104	0,124	0,139
5	0,078	0,087	0,104	0,117
6		0,077	0,092	0,103
7		0,070	0,083	0,093
8		0,064	0,076	0,086
9			0,071	0,080
10			0,067	0,075
11				0,071
12				0,067
13				
14				
15				
16				
T Ap (mm)	0,584	0,864	1,168	1,448

Trapezoid Thread to DIN 103, External, and Internal Machining

pitch	1,5	2	3	4	5
T Ap (mm)	1,016	1,245	1,753	2,261	2,743
N Ap	6	8	10	12	14
	values for flank infeed (X/Z)				
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z
1	0,249	0,258	0,320	0,373	0,417
2	0,206	0,213	0,264	0,308	0,344
3	0,188	0,195	0,242	0,282	0,315
4	0,144	0,150	0,186	0,217	0,242
5	0,122	0,126	0,157	0,183	0,204
6	0,107	0,111	0,138	0,161	0,180
7		0,100	0,125	0,145	0,162
8		0,092	0,115	0,134	0,149
9			0,107	0,125	0,139
10			0,100	0,117	0,131
11				0,111	0,123
12				0,105	0,117
13					0,112
14					0,108
15					
16					
T Ap (mm)	1,016	1,245	1,753	2,261	2,743

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

Round Thread to DIN 405, External, and Internal Machining

pitch	10	8	6
T Ap (mm)	1,321	1,626	2,159
N Ap	8	10	12
	values for flank infeed (X/Z)		
order of passes	X/Z	X/Z	X/Z
1	0,273	0,297	0,357
2	0,226	0,245	0,294
3	0,207	0,224	0,270
4	0,159	0,172	0,207
5	0,134	0,145	0,174
6	0,118	0,128	0,154
7	0,107	0,116	0,139
8	0,098	0,106	0,128
9		0,099	0,119
10		0,093	0,112
11			0,106
12			0,100
13			
14			
15			
16			
T Ap (mm)	1,321	1,626	2,159

Whitworth, External, and Internal Thread Cutting

TPI	28	20	19	16	14	12	11	10	9	8	7	6	5
T Ap (mm)	0,584	0,813	0,813	0,864	1,016	1,346	1,473	1,626	1,803	2,032	2,311	2,718	3,251
N Ap	5	6	6	8	8	9	9	10	11	12	14	15	16
	values for flank infeed (X/Z)												
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z
1	0,160	0,199	0,199	0,179	0,210	0,261	0,285	0,297	0,312	0,336	0,351	0,398	0,460
2	0,132	0,164	0,164	0,148	0,174	0,215	0,236	0,245	0,258	0,277	0,290	0,329	0,380
3	0,121	0,151	0,151	0,135	0,159	0,197	0,216	0,224	0,236	0,254	0,266	0,301	0,348
4	0,093	0,116	0,116	0,104	0,122	0,151	0,166	0,172	0,181	0,195	0,204	0,231	0,267
5	0,078	0,097	0,097	0,087	0,103	0,128	0,140	0,145	0,153	0,164	0,172	0,195	0,225
6		0,086	0,086	0,077	0,091	0,112	0,123	0,128	0,135	0,145	0,151	0,171	0,198
7				0,070	0,082	0,102	0,111	0,116	0,122	0,131	0,137	0,155	0,179
8				0,064	0,075	0,093	0,102	0,106	0,112	0,120	0,126	0,143	0,165
9						0,087	0,095	0,099	0,104	0,112	0,117	0,133	0,153
10								0,093	0,098	0,105	0,110	0,125	0,144
11									0,093	0,099	0,104	0,118	0,136
12										0,095	0,099	0,112	0,130
13											0,095	0,107	0,124
14											0,091	0,103	0,119
15												0,099	0,114
16													0,110
T Ap (mm)	0,584	0,813	0,813	0,864	1,016	1,346	1,473	1,626	1,803	2,032	2,311	2,718	3,251

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

Multi-Tooth Threads, Internal

	ISO metric						ISO UN					Whitworth	NPT		
type	3M	2M	3M	2M	3M	2M	2M	3M	2M	3M	2M	2M	2M	3M	2M
pitch (mm)	1,0	1,5	1,5	2,0	2,0	3,0	—	—	—	—	—	—	—	—	—
TPI	—	—	—	—	—	—	16	16	12	12	8	11	11,5	11,5	8
total depth	0,609	0,838	0,838	1,168	1,168	1,778	0,939	0,939	1,245	1,245	1,880	1,575	1,753	1,753	2,540
1	0,330	0,381	0,508	0,508	0,711	0,558	0,431	0,558	0,558	0,762	0,584	0,736	0,584	0,812	0,889
2	0,279	0,254	0,330	0,381	0,457	0,482	0,304	0,381	0,406	0,482	0,508	0,482	0,508	0,558	0,635
3	—	0,203	—	0,279	—	0,431	0,203	—	0,279	—	0,431	0,355	0,355	0,3815	0,558
4	—	—	—	—	—	0,304	—	—	—	—	0,355	—	0,304	—	0,457

Recommendations for Steel Workpieces (<300 BHN)

			total depth — on radius		
catalogue number	insert size	TPI profile	1st pass	2nd pass	3rd pass
NTC-8R/L8EM	8	8 UN	1,21	1,63	2,00
NTC-8R/L8IM	8	8 UN	1,19	1,55	1,88
NTC-8R/L10EM	8	10 UN	0,92	1,27	1,60
NTC-8R/L10IM	8	10 UN	0,90	1,22	1,52
NTC-8R/L12EM	8	12 UN	0,76	1,04	1,32
NTC-8R/L12IM	8	12 UN	0,76	0,93	1,20
NTC-8R/L14EM	8	14 UN	0,68	0,95	1,12
NTC-8R/L14IM	8	14 UN	0,60	0,78	1,04
NTC-8R/L16EM 8	8	16 UN	0,58	0,81	0,96
NTC-8R/L16IM	8	16 UN	0,50	0,68	0,93
NTC-8R/L18EM	8	18 UN	0,48	0,66	0,86
NTC-8R/L18IM	8	18 UN	0,48	0,60	0,83
NDC-68RDR/L-75M	8	8 round	1,47	1,65	1,85
NDC-61RDR/L-75M	8	10 round	1,11	1,29	1,45
NDC-88RDRD/L-75M	8	8 round	1,29	1,75	1,85
NDC-88VR/L-75M	8	8 NPT	1,01	1,72	2,45
NDC-8115VR/L-75M	8	11.5 NPT	0,96	1,37	1,70
NDN-814VR/L-75M	8	14 NPT	0,96	1,22	1,36

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

ACME, External

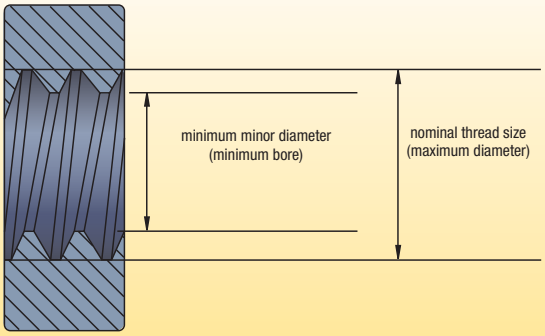
pitch, TPI	28	20	19	16	14	12	11	10	9	8	7	6	5
depth	.028	.032	.032	.034	.040	.053	.058	.064	.071	.080	.091	.107	0.128
number of passes	5	6	6	8	8	9	9	10	11	12	14	15	16
	values for flank infeed (X/Z)												
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z
1	.039	.041	.050	.063	.074	.095	.112	.138	.180	.256	.008/-	.008/-	.008/-
2	.009	.008	.009	.010	.010	.011	.012	.013	.019	.028	.013/.007	.014/.007	.017/.009
3	.009	.008	.009	.009	.010	.011	.011	.012	.018	.026	.01/.005	.011/.006	.013/.007
4	.007	.007	.007	.009	.009	.010	.010	.011	.016	.023	.008/.004	.009/.005	.011/.006
5	.006	.006	.007	.007	.007	.009	.010	.011	.015	.022	.007/.004	.008/.004	.009/.005
6	.005	.005	.005	.006	.006	.008	.009	.010	.013	.019	.007/.003	.007/.004	.009/.004
7	.003	.004	.005	.005	.005	.007	.008	.010	.011	.017	.006/.003	.007/.004	.008/.004
8		.003	.004	.005	.005	.006	.007	.009	.011	.015	.006/.003	.006/.003	.007/.004
9			.004	.004	.005	.006	.007	.008	.009	.013	.005/.003	.006/.003	.007/.004
10				.004	.005	.006	.007	.008	.009	.013	.005/.003	.005/.003	.006/.003
11				.004	.004	.006	.006	.007	.009	.011	.005/.002	.005/.003	.006/.003
12					.004	.006	.006	.007	.008	.011	.004/.002	.005/.003	.006/.003
13					.004	.005	.006	.006	.007	.010	.004/.002	.005/.003	.006/.003
14						.004	.005	.006	.007	.009	.004/.002	.005/.002	.005/.003
15							.004	.006	.007	.009		.005/.002	.005/.003
16							.004	.006	.006	.008			.005/.003
17								.004	.005	.007	.004/.002	.005/.003	.006/.003
18								.004	.005	.007	.004/.002	.005/.002	.005/.003
19									.005	.006		.005/.002	.005/.003
20										.006			.005/.003

NOTE: Always allow 0,08–0,13mm extra stock for full profile inserts.

ACME, Internal

pitch, TPI	28	20	19	16	14	12	11	10	9	8	7	6	5
depth	.028	.032	.032	.034	.040	.053	.058	.064	.071	.080	.091	.107	0.128
number of passes	5	6	6	8	8	9	9	10	11	12	14	15	16
	values for flank infeed (X/Z)												
order of passes	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z	X/Z
1	.039	.041	.050	.063	.074	.095	.112	.138	.180	.256	.008/-	.008/-	.008/-
2	.009	.008	.009	.010	.010	.011	.012	.013	.019	.028	.013/.007	.014/.007	.017/.009
3	.009	.008	.009	.009	.010	.011	.011	.012	.018	.026	.01/.005	.011/.006	.013/.007
4	.007	.007	.007	.009	.009	.010	.010	.011	.016	.023	.008/.004	.009/.005	.011/.006
5	.006	.006	.007	.007	.007	.009	.010	.011	.015	.022	.007/.004	.008/.004	.009/.005
6	.005	.005	.005	.006	.006	.008	.009	.010	.013	.019	.007/.003	.007/.004	.009/.004
7	.003	.004	.005	.005	.005	.007	.008	.010	.011	.017	.006/.003	.007/.004	.008/.004
8		.003	.004	.005	.005	.006	.007	.009	.011	.015	.006/.003	.006/.003	.007/.004
9			.004	.004	.005	.006	.007	.008	.009	.013	.005/.003	.006/.003	.007/.004
10				.004	.005	.006	.007	.008	.009	.013	.005/.003	.005/.003	.006/.003
11				.004	.004	.006	.006	.007	.009	.011	.005/.002	.005/.003	.006/.003
12					.004	.006	.006	.007	.008	.011	.004/.002	.005/.003	.006/.003
13					.004	.005	.006	.006	.007	.010	.004/.002	.005/.003	.006/.003
14						.004	.005	.006	.007	.009	.004/.002	.005/.002	.005/.003
15							.004	.006	.007	.009		.005/.002	.005/.003
16							.004	.006	.006	.008			.005/.003
17								.004	.005	.007	.004/.002	.005/.003	.006/.003
18								.004	.005	.007	.004/.002	.005/.002	.005/.003
19									.005	.006		.005/.002	.005/.003
20										.006			.005/.003

The following charts list the largest thread pitch that can be applied on internal applications using Top Notch threading inserts for 60° V-threading and Acme threading.



Metric-sized 60° V-Threading Limits

internal threading limitations NT-1, NT-2 60° V-threading inserts

TPI	nominal thread size		minimum thread diameter (mm)	
	NT-1	NT-2	NT-1	NT-2
4,00	M48 x 4.00	–	43,67	–
3,00	M42 x 3.00	–	38,75	–
2,50	M39 x 2.50	M24 x 2,50	36,29	21,29
2,00	M33 x 2.00	M15 x 2,00	30,84	12,84
1,75	M32 x 1.75	M15 x 1,75	30,11	13,11
1,50	M32 x 1.50	M15 x 1,50	30,38	13,38
1,25	M29 x 1.29	M14 x 1,25	27,65	12,65
1,00*	M27 x 1.00	M14 x 1,00	25,92	12,92
0,75	M22 x 0.75	M12 x 0,75	21,19	11,19

*Thread pitch of 1mm and less can be cut with an NT-2 insert provided the core thread diameter is 25mm or larger (11mm or larger with NT-1).

internal threading limitations NT-3 and NT-4 60° V-threading inserts

TPI	nominal thread size	minimum thread diameter (mm)
6,00**	M76 x 6.00	69,50
5,50**	M73 x 5.50	67,05
5,00	M70 x 5.00	64,59
4,00	M64 x 4.00	59,67
3,00	M52 x 3.00	48,75
2,50	M48 x 2.50	45,29
2,00	M42 x 2.00	39,84
1,75	M40 x 1.75	38,11
1,50*	M38 x 1.50	36,38

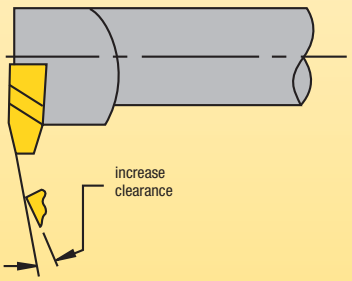
*Thread pitch of 1,5mm and less can be cut provided core thread diameter is 35mm or larger.
**NT-4-insert only.

Acme Threading Limits

internal threading limitations NA and NAS-2, -3, -4, and -6 Acme threading inserts

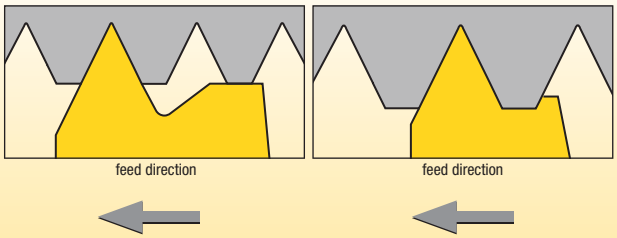
TPI	nominal thread size	minimum thread diameter (mm)	
	NT-1	NT-1	NT-2
2**	5	4.500	114.3
2-1/2**	4-1/2	4.100	104.1
3**	4	3.665	93.1
4	3-1/2	3.250	82.6
5	3	2.800	71.1
6	2-1/2	2.333	59.3
8	2-1/4	2.125	54.0
10	2	1.900	48.3
12	1-3/4	1.667	42.4
14	1-5/8	1.554	39.5
16*	1-1/2	1.438	36.5

*Sixteen threads per inch and finer can be cut provided minor diameter is 36,5mm (1.438") or larger.
**NA-6 insert only.



Additional secondary clearance can be ground on leading edge of insert to provide sufficient helical clearance for machining coarser threads and multiple start threads. Modified standard inserts may be furnished for machining threads outside of the limits shown.

60° V-Thread Crest Turning Application Data



NTC crest turning insert for (P ≤ 2mm) and finer.

NTC crest turning insert for (P ≥ 3mm) and coarser.

NOTE: NTC inserts automatically control root to crest dimensions. Therefore, in setting up threading operations with NTC inserts, check the O.D. or I.D. at the thread crest for correct dimensions.

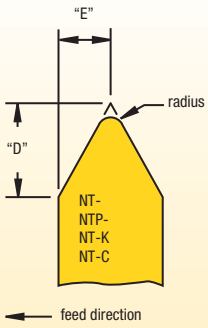
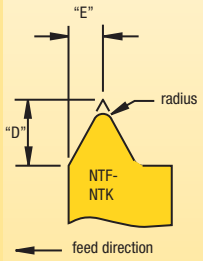
60° V-Thread Crest Turning Application Data

insert catalogue number	nose radius on insert (mm)	thread radius per MIL-S-8879A (mm)
NJ-3014R/L12	0,317/0,342	0,317/0,381
NJK-3008R/L20	0,190/0,215	0,190/0,0228

"J" thread note for catalogue

The controlled root radius thread form (SAE8879C) is defined for the external thread only. To machine the corresponding internal thread, choose any insert that will cut a unified class 2B thread, then bore the minor diameter to size. Refer to SAE8879C and MIL-S-8879C and SAEAS8879D for the correct "J" thread minor diameter values.

60° V-Thread Application Data

insert description	insert	D (mm)	E (mm)	recommended TPI*		recommended TP*	
				external	internal	external	internal
	NT-1	1,90	1,11	–	24–12	–	1,00–2,00
	NT-2	28,70	1,90	36–8	20–7	0,70–3,00	1,25–3,50
	NT-2-K	28,70	1,90	36–8	20–7	0,70–3,00	1,25–3,50
	NTF-2	15,75	1,01	44–14	24–12	0,60–1,75	1,00–2,00
	NTK-2	15,75	1,01	44–14	24–12	0,60–1,75	1,00–2,00
	NTP-2	28,70	1,90	36–8	20–7	0,70–3,0	1,25–3,50
	NT-3	37,59	2,46	20–6	12–5	1,25–4,00	2,00–5,00
	NT-3-K	37,59	2,46	20–6	12–5	1,25–4,00	2,00–5,00
	NT-3-C	37,59	2,46	11–6	6 (only)	2,50–4,00	4,00 (only)
	NT-3-CK	37,59	2,46	11–6	6 (only)	2,50–4,00	4,00 (only)
	NTF-3	21,08	1,37	44–10	24–9	0,60–2,50	1,00–2,50
	NTK-3	21,08	1,37	44–10	24–9	0,60–2,50	1,00–2,50
	NTP-3	37,59	2,46	20–6	12–5	1,25–4,00	2,00–5,00
	NT-4	49,78	3,22	20–4	12–4	1,25–6,25	2,00–6,25
	NT-4-K	49,78	3,22	20–4	12–4	1,25–6,25	2,00–6,25
	NT-4-C	49,78	3,22	11–4 1/2	6–4 1/2	2,50–5,50	4,00–5,50
	NT-4-CK	49,78	3,22	11–4 1/2	6–4 1/2	2,50–5,50	4,00–5,50
	NTF-4	21,08	1,37	44–10	24–9	0,60–2,50	1,00–2,50
	NTK-4	21,08	1,37	44–10	24–9	0,60–2,50	1,00–2,50
	NTP-4	49,78	3,22	20–4	12–4	1,25–6,25	2,00–6,25

*Based on maximum insert radius size and class 2A and 2B thread specifications.

API Thread Forms • Insert Applications Chart for API Rotary Shouldered Connections

thread form	Kennametal insert		tool joint application	minimum box size*
	cresting	non-cresting		
V-.038R 2" TPF 4 TPI	NDC-4038R/L2 4-E/IR4API382	ND-3038R/L	2-3/8 API internal flush 2-7/8 API internal flush 3-1/2 API internal flush 4 API internal flush 4-1/2 API internal flush 5-1/2 API internal flush 6-5/8 API internal flush 4 API full hole API #23, API #26, API #31, API #35, API #38, API #40, API #44, API #46, API #50	API #31 2-7/8 IF
V-.038R 3" TPF 4 TPI	NDC-4038R/L3 4-E/IR4API383	ND-3038R/L	API #56 API #61 API #70 API #77	API #56
V-.050 2" TPF 4 TPI	NDC-4050R/L2 4-E/IRAPI502	ND-4050R/L	5-1/2 API full hole 6-5/8 API regular 6-5/8 API full hole	5-1/2 API full hole
V-.050 3" TPF 4 TPI	NDC-4050R/L3 4-E/IR4API503	ND-4050R/L	5-1/2 API regular 7-5/8 API regular 8-5/8 API regular	5-1/2 API regular
V-.040 3" TPF 5 TPI	NDC-3040R/L3 NDC-4040R/L3 4-E/IR5API403	ND-3040R/L ND-4040R/L	2-3/8 API regular 2-7/8 API regular 3-1/2 API regular 4-1/2 API regular	3-1/2 API regular

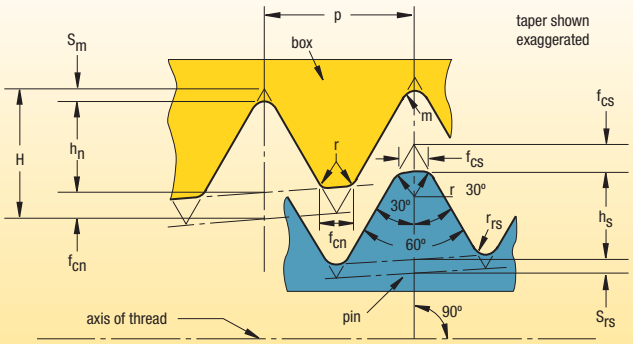
*Minimum box size that can be threaded with a standard Top Notch insert due to minimum bore equipment.

API Thread Forms
Product Thread Dimensions • Rotary Shouldered Connections (Inch)

thread form	taper inch per ft.	thread height, not truncated H	thread height, truncated $h_n=h_s$	root truncation $S_m=S_{rs}$ $f_m=f_{rs}$	crest truncation $f_{cn}=f_{cs}$	width of flat		root radius $r_m=r_{rs}$	radius at thread corners r	pitch p
						crest $f_{cn}=f_{cs}$	crest $f_m=f_{rs}$			
V-.038R	2	.216005	.121844	.038000	.056161	.065	—	.038	.015	.250
V-.038R	3	.215379	.121381	.038000	.055998	.065	—	.038	.015	
V-.040	3	.172303	.117842	.020000	.034461	.040	—	.020	.015	.250
V-.050	3	.215379	.147303	.025000	.043076	.050	—	.025	.015	
V-.050	2	.216005	.147804	.025000	.043201	.050	—	.025	.015	.250

NOTE: All dimensions in inches.

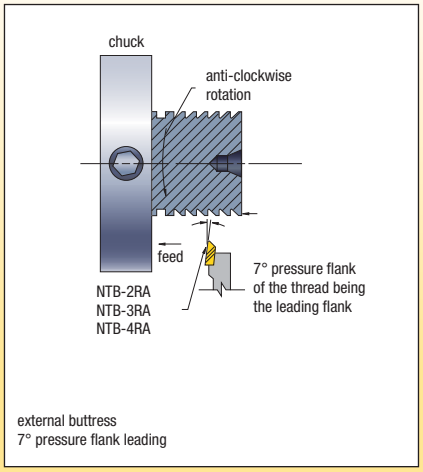
V-.040 and V-.050 Product Thread Form

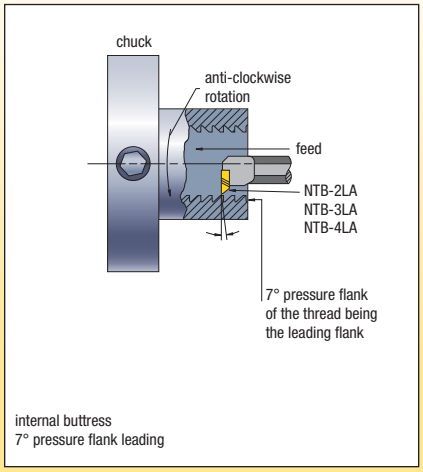


Casing and Tubing Round Thread (Height Dimensions)

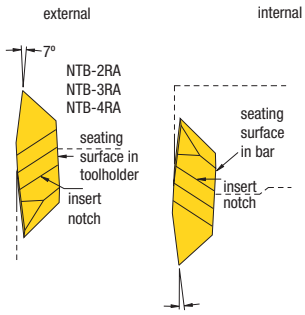
thread element		10 TPI p = .1000	8 TPI p = .1250
H	= .866p	.08660	.10825
$H_s = h_n$	= .626p - .007	.05560	.07125
$S_{rs} = S_m$	= .120p + .002	.01400	.01700
$S_{cs} = S_{cn}$	= .120p + .005	.01700	.02000

American Buttress (7° Pressure Flank Leading) NTB-A Inserts • Push Type

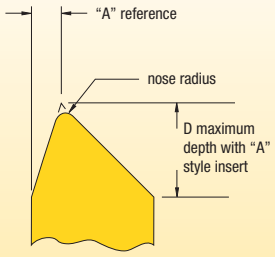




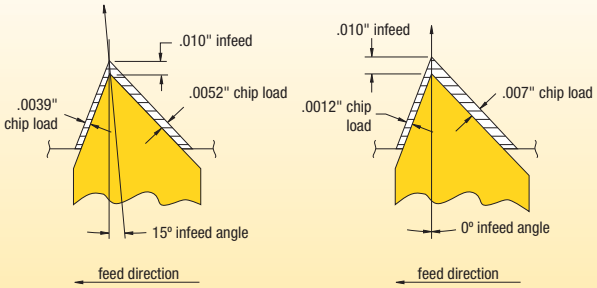
Insert vs. Toolholder Orientation



Reference Dimensions



Infeed Angle vs. Chip Load: 7° Pressure Flank Leading



NTB-A insert

insert	D (inch)	"A" ref. (inch)	nose radius (inch)	pitch based on maximum radius
NTB-2A	.133	.024	.002–.004	16–20 TPI
NTB-3A	.171	.031	.005–.008	8–16 TPI
NTB-4A	.218	.049	.008–.012	4–6 TPI

NOTE: For balanced chip load, 15° infeed angle is suggested.

Internal Threading Limitations

internal threading limitations
NTB-2A Buttress threading inserts

TPI	nominal thread size	minimum minor diameter (inch)
8	1-3/4	1.600
10	1-5/8	1.505
12	1-1/2	1.400
16	1-1/4	1.175
20	1-1/16	1.002

internal threading limitations
NTB-3 and NTB-4A Buttress threading inserts

TPI	nominal thread size	minimum minor diameter (inch)
4*	2-1/2	2.200
5	2-1/4	2.010
6	2	1.800
8	1-3/4	1.600
10	1-5/8	1.505
12**	1-1/2	1.400

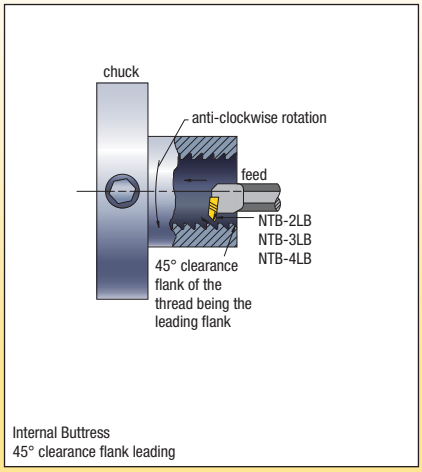
*NTB-4A insert only.
**Can cut 16 or 20 threads per inch provided minor diameter is 1.375" or larger.

Threads per Inch vs. Maximum Root Radius Chart (Inch)

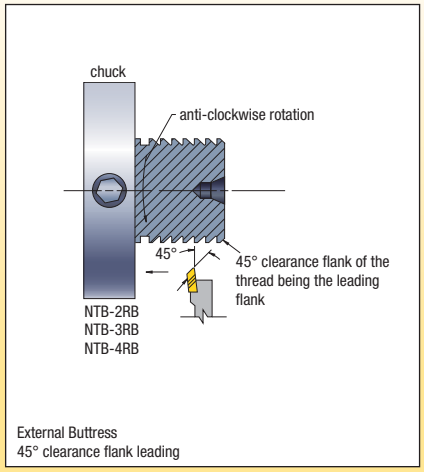
TPI	20	16	12	10	8	6	5	4	3	2-1/2	2	1-1/2	1-1/4	1
maximum root radius	.0036	.0045	.0059	.0071	.0089	.0119	.0143	.0179	.0238	.0268	.0375	.0476	.0572	.0714

NOTE: Special Buttress forms are available upon request.

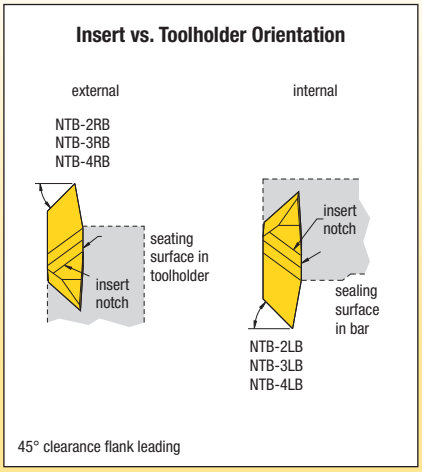
American Buttress (45° Clearance Flank Leading): NTB-B Inserts • PULL-type



Internal Buttress
45° clearance flank leading

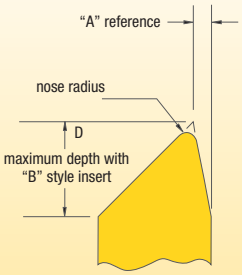


External Buttress
45° clearance flank leading

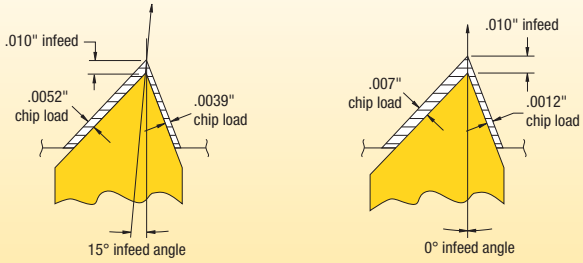


45° clearance flank leading

Reference Dimensions



Infeed Angle vs. Chip Load: 45° Clearance Flank Leading



NTB-B insert

insert	D (inch)	"A" reference (inch)	nose radius (inch)	pitch based on maximum radius
NTB-3B	.171	.031	.005–.004	8–16 TPI

NOTE: For balanced chip load, a reverse 15° infeed angle is suggested.

Internal Threading Limitations

internal threading limitations
NTB-2B Buttress threading inserts

TPI	nominal thread size	minimum minor diameter (inch)
8	1-3/4	1.600
10	1-5/8	1.505
12	1-1/2	1.400
16	1-1/4	1.175
20	1-1/16	1.002

internal threading limitations
NTB-3 and NTB-4B Buttress threading inserts

TPI	nominal thread size	minimum minor diameter (inch)
4*	2-7/8	2.575
5	2-3/4	2.510
6	2-3/8	2.175
8	2-1/8	1.975
10	1-7/8	1.755
12	1-5/8	1.525
16	1-1/2	1.407
20	1-7/16	1.378

*NTB-4B insert only.

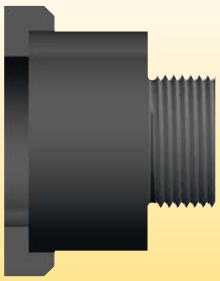
Required Information

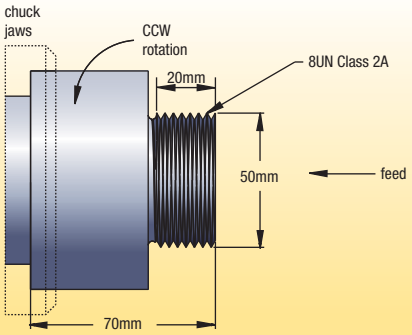
From Part Drawing:

material: 316SS, 200 HB
thread form: 8UN
tolerance: class 2A
operation: external threading
pitch diameter: 50mm x 25mm deep

From Machine Setup Data:

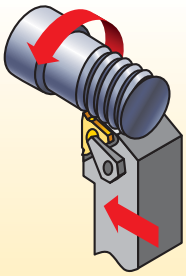
tooling: 20mm x 20mm
spindle rotation: anti-clockwise
feed: toward chuck





Steps for a Successful Threading Operation

Step 1 • Determine Threading Method



Need to Know:

- Operation (external).
- Spindle rotation (CCW).
  Anti-clockwise rotation.
- Feed direction (toward chuck).
- Right-hand toolholder.
- Right-hand insert (ER).
- Standard helix method.

Step 2 • Select Insert



Need to Know:

- Thread form (ISO R262 1mm pitch).
- Hand of insert (right hand — ER).

Choose the High-Performance Solution

catalogue number	insert size	KCU25/ KC5025
3ER10ISO	3	•

High-Performance Selection

NOTE: Use insert with largest insert size available.
insert: 3ER10ISO
grade: KCU25/KC5025
speed: 150 m/min

Step 3 • Select the Grade and Speed

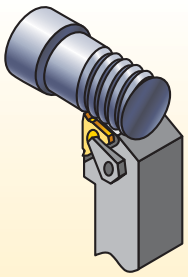
Need to Know:

- Workpiece material (316SS-200HB).
- Operation (external).

Options: Grade and Speed Selection Guidelines

threading operation	stainless steel
external	general purpose and high performance
	KC5025
	50–360 m/min

Step 4 • Select Toolholder



Need to Know:

- External or internal operation (external).
- Pitch diameter to determine minimum bore diameter (N/A).
- Type of tooling — toolholder, boring bar (toolholder).
- Hand of tool (right hand).
- Insert size (16).

Options:

catalogue number	insert size	shim
AL203R	3	SM-YE3

First choice: LSASR-123 holder

Step 5 • Select Shim

Need to Know:

- Thread form — TPI or pitch (8 TPI).
- Pitch diameter (50mm).
- Helix method (standard).
  See Laydown Threading (LT) shim selection chart.

Select SM-YE3 shim

NOTE: The SM-YE3 shim is supplied with the selected toolholder.

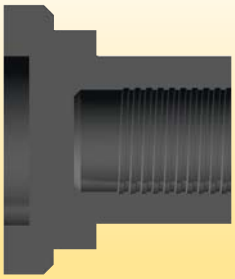
Required Information

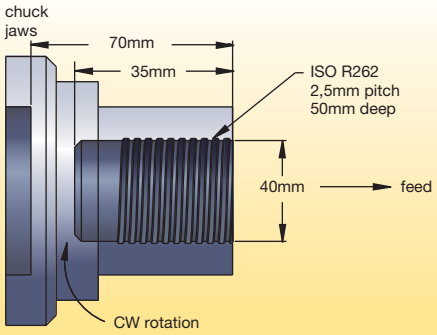
From Part Drawing:

material: 4140 steel
thread form: ISO R262 2,5mm pitch
tolerance: ISO Metric Class 6G/6H
operation: internal threading
pitch diameter: 40mm x 35mm deep

From Machine Setup Data:

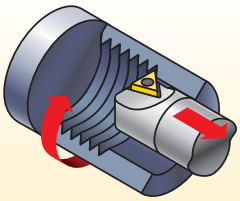
tooling: 20mm boring bar
spindle rotation: clockwise
feed: away from chuck





Steps for a Successful Threading Operation

Step 1 • Determine Threading Method



Need to Know:

- Operation (internal).
- Spindle rotation (CW).
  Clockwise rotation.
- Feed direction (away from chuck).
- Left-hand toolholder.
- Left-hand insert (NL).
- Reverse helix method.

Step 2 • Select Insert



Need to Know:

- Thread form (ISO Metric Class 6G/6H).
- Hand of insert (left hand — NL).

Choose the High-Performance Solution

catalogue number	insert size	KCU25/ KC5025
3IL25ISO	3	•

High-Performance Selection

NOTE: Use insert with largest possible insert size to go into the bore.
insert: 3IL25ISO
grade: KCU25/KC5025
speed: 130 m/min

Step 3 • Select the Grade and Speed

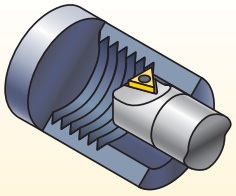
Need to Know:

- Workpiece material (4010 steel).
- Operation (internal).

Options: Grade and Speed Selection Guidelines

threading operation	steel
internal	general purpose and high performance
	KC5025
	40–200 m/min

Step 4 • Select Toolholder



Need to Know:

- External or internal operation (internal).
- Pitch diameter to determine minimum bore diameter for internal operations (40mm).
- Type of tooling — toolholder, boring bar (boring bar).
- Hand of tool (left hand).
- Insert size (16).

Options:

catalogue number	insert size	shim
AVR32D3R	3	SM-YE3

First choice: LSASR-123 holder

Step 5 • Select Shim

Need to Know:

- Thread form — TPI or pitch (2,5mm pitch).
- Pitch diameter (50mm).
- Helix method (standard). See Laydown Threading (LT) shim selection chart.

Select SM-YE3 shim

NOTE: For this application, the standard shim supplied should be replaced with the recommended shim, SM-YE3.

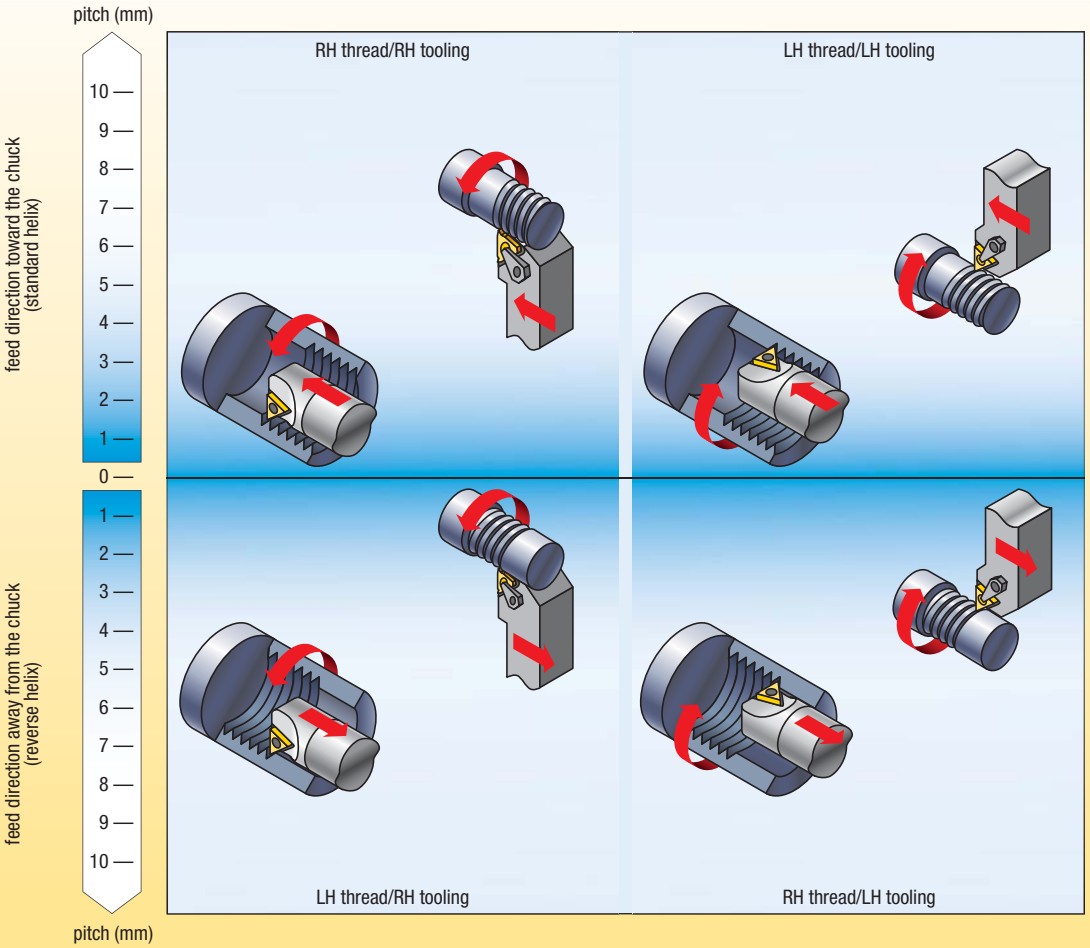
Laydown Threading Shim Selection Guidelines

It is essential to select the correct shim to ensure thread quality and maximum tool life. These parameters are needed:

- Pitch
- Pitch diameter
- Number of starts
- Feed direction

NOTE: When considering method of thread cutting, the part's shape and stability and the flow of chips are determining factors in your decision.

Laydown Selection Chart



NOTE: For multi-start threads, use the lead value instead of the pitch.

Diagram of Thread Lead Angles

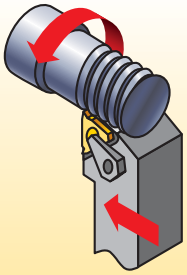
To calculate the lead angle of a given thread, use this formula:

$$ß = \text{Arctan} \frac{P \bullet S}{\pi D_e}$$

ß = thread lead angle
D_e = effective pitch diameter of thread wear
P = 1/TPI
TPI = threads per inch
S = number of starts
single-start, lead = pitch
multiple-start, lead = pitch (x) number of starts

All toolholders are designed with an inclination angle = 1.5°. When turning standard threads with a lead angle of 1–2°, this guarantees adequate clearance at the flanks of the insert's thread tooth. The thread lead angle and the required inclination angle of the insert are given by ß.

Cutting edge height is constant at every shim and insert combination. All toolholders are supplied with 1-1/2° lead angle.

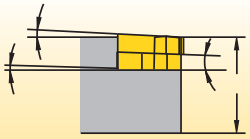


Laydown Threading Shim Selection Table • Metric

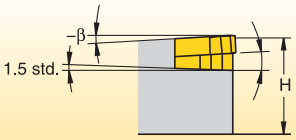
insert size	toolholder external	toolholder internal	shim ordering code (mm)							
						standard				
3 (9,52)	RH	LH	SM–YE3–3P	SM–YE3–2P	SM–YE3–1P	SM–YE3	SM–YE3–1N	SM–YE3–1.5N	SM–YE3–2N	SM–YE3–3N
3 (9,52)	LH	RH	SM–YI3–3P	SM–YI3–2P	SM–YI3–1P	SM–YI3	SM–YI3–1N	SM–YI3–1.5N	SM–YI3–2N	SM–YI3–3N
4 (12,7)	RH	LH	SM–YE4–3P	SM–YE4–2P	SM–YE4–1P	SM–YE4	SM–YE4–1N	SM–YE4–1.5N	SM–YE4–2N	SM–YE4–3N
4 (12,7)	LH	RH	SM–YI4–3P	SM–YI4–2P	SM–YI4–1P	SM–YI4	SM–YI4–1N	SM–YI4–1.5N	SM–YI4–2N	SM–YI4–3N
TPI		**pitch (mm)**	**pitch diameter (mm)**							
72		—	—	—	—	3,1–8	8–21,4	>21,4	21,4–8	8–3,1
—		0,35	—	—	—	3,0–8	8–21,3	>21,3	21,3–8	3–8
64		—	—	—	—	3,4–9	9–24,1	>24,1	24,1–9	9–3,4
—		0,40	—	—	—	3,5–9,1	9,1–24,3	>24,3	24,3–9,1	9,1–3,5
56		0,45	—	—	—	3,9–10,3	10,3–27,6	>27,6	27,6–10,3	10,3–3,9
—		0,50	—	—	2,8–4,3	4,3–11,4	11,4–30,4	>30,4	30,4–11,4	11,4–4,3
48		—	—	—	3–4,6	4,6–12,1	12,1–32,2	>32,2	32,2–12,1	12,1–4,6
44		—	—	—	3,3–5	5–13,2	13,2–35,1	>35,1	35,1–13,2	13,2–5
—		0,60	—	2,6–3,4	3,4–5,2	5,2–13,7	13,7–36,5	>36,5	36,5–13,7	13,7–5,2
40		—	—	2,8–3,6	3,6–5,5	5,5–14,5	14,5–38,6	>38,6	38,6–14,5	14,5–5,5
—		0,70	—	3,0–4	4–6,1	6,1–16	16–42,6	>42,6	42,6–16	16–6,1
36		—	—	3,1–4	4–6,1	6,1–16,1	16,1–42,9	>42,9	42,9–16,1	16,1–6,1
—		0,75	2,8–3,2	3,3–4,3	4,3–6,5	6,5–17,1	17,1–45,6	>45,6	45,6–17,1	17,1–6,5
32		—	3–3,4	3,4–4,5	4,5–6,9	6,9–18,1	18,1–48,3	>48,3	48,3–18,1	18,1–6,9
—		0,80	3–3,5	3,5–4,6	4,6–6,9	6,9–18,2	18,2–48,6	>48,6	48,6–18,2	18,2–6,9
28		—	3,4–3,9	3,9–5,2	5,2–7,9	7,9–20,7	20,7–55,1	>55,1	55,1–20,7	20,7–7,9
27		—	3,6–4,1	4,1–5,4	5,4–8,2	8,2–21,4	21,4–57,2	>57,2	57,2–21,4	21,4–8,2
—		1,00	3,8–4,3	4,3–5,7	5,7–8,7	8,7–22,8	22,8–60,8	>60,8	60,8–22,8	22,8–8,7
24		—	4–4,6	4,6–6	6–9,2	9,2–24,1	24,1–64,3	>64,3	64,3–24,1	24,1–9,2
—		1,25	4,7–5,4	5,4–7,1	7,1–10,8	10,9–28,5	28,5–76	>76,0	76–28,5	28,5–10,8
20		—	4,8–5,5	5,5–7,2	7,2–11	11–28,9	29–77,2	>77,2	77,2–28,9	29–11
18		—	5,3–6,1	6,1–8	8–12,2	12,2–32,2	32,2–85,8	>85,8	85,8–32,2	32,2–12,2
—		1,50	5,7–6,5	6,5–8,5	8,5–13	13–34,2	34,2–91,2	>91,2	91,2–34,2	34,2–13
16		—	6–6,9	6,9–9	9–13,8	13,8–36,2	36,2–96,5	>96,5	96,5–36,2	36,2–13,8
—		1,75	6,6–7,96	7,6–10	10–15,2	15,2–39,9	39,9–106,4	>106,4	106,4–39,9	39,9–15,2
14		—	6,9–7,9	7,9–10,3	10,3–15,7	15,7–41,4	41,4–110,3	>110,3	110,3–41,4	41,4–15,7
13		—	7,4–8,5	8,5–11,1	11,1–17	17–44,5	44,5–118,8	>118,8	118,8–44,5	44,5–17
—		2,00	7,6–8,7	8,7–11,4	11,4–17,4	17,4–45,6	45,6–121,6	>121,6	121,6–45,6	45,6–17,4
12		—	8–9,2	9,2–12	12,1–18,4	18,4–48,2	48,3–128,7	>128,7	128,7–48,2	48,2–18,4
11.5		—	8,4–9,6	9,6–12,6	12,6–19,2	19,2–50,3	50,3–134,3	>134,3	134,3–50,3	50,3–19,2
11		—	8,8–10	10–13,1	13,1–20	20–52,6	52,6–140,4	>140,4	140,4–52,6	52,6–20
—		2,50	9,5–10,8	10,8–14,2	14,2–21,7	21,7–57	57–152	>152,0	152–57	57–21,7
10		—	9,6–11	11–14,5	14,5–22	22–57,9	57,9–154,4	>154,4	154,4–57,9	57,9–22
9		—	10,7–12,2	12,2–16,1	16,1–24,5	24,5–64,3	64,3–171,6	>171,6	171,6–64,3	64,3–24,5
—		3,00	11,4–13	13–17,1	17,1–26	26–68,4	68,4–182,4	>182,4	182,4–68,4	68,4–26
8		—	12–13,8	13,8–18,1	18,1–27,6	27,6–72,4	72,4–193	>193,0	193–72,4	72,4–27,6
—		3,50	13,3–15,2	15,2–19,9	19,9–30,4	30,4–79,8	79,8–212,8	>212,8	212,8–79,8	79,8–30,4
7		—	13,8–15,7	15,7–20,7	20,7–31,5	31,5–82,7	82,7–220,6	>220,6	220,6–82,7	82,7–31,5
—		4,00	15,2–17,3	17,3–22,8	22,8–34,7	34,7–91,2	91,2–243,2	>243,2	243,2–91,2	91,2–34,7
6		—	16–18,3	18,3–24,1	24,1–36,7	36,7–96,5	96,5–257,4	>257,4	257,4–96,5	96,5–36,7
—		5,00	19–21,7	21,7–28,5	28,5–43,4	43,4–114	114–304	>304,0	304–114	114–43,4
5		—	19,3–22	22–28,9	28,9–44,1	44,1–115,8	115,8–308,8	>308,8	308,8–115,8	115,8–44,1
4,5		—	21,4–24,5	24,5–32,1	32,1–49	49–128,7	128,7–343,1	>343,1	343,1–128,7	128,7–49
—		6,00	22,7–26	26–34,2	34,2–52,1	52,1–136,8	136,8–364,8	>364,8	364,8–136,8	136,8–52,1
4		—	24,1–27,5	27,5–36,2	36,2–55,1	55,1–144,8	144,8–386	>386	386–144,8	144,8–55,1
inclination angle			4.5	3.5	2.5	1.5	0.0	0.0	-0.5	-1.5
			standard helix (feed toward the chuck)						**reverse helix (feed away from the chuck)**	

1. Select TPI or pitch from the left-hand columns.
2. Follow row to specified pitch diameter and the correct feed direction.
3. Follow the column to the top for the required shim based on the toolholder and insert size.

standard helix method:
Used when RH thread is cut with RH tool or LH thread with LH tool.



reverse helix method:
Used when RH thread is cut with LH tool or when LH thread is cut with RH tool.



NOVO KNOWS SEARCH

Searching for a tool has been enhanced by Advise and Select functions from NOVO™ applications — saving you time and money.

ADVISE

Uses a rules-based approach to provide cutting tool recommendations:

- Define Machining Feature (face milling, slotting, blind hole, etc.)
- Apply Constraint Requirements (geometric, material, tolerance, etc.)
- Set Machining Sequence (single or multi-step operations, rough then finish, etc.)
- Receive Ranked Results

SELECT

A method of selecting cutting tools from a tree structure via a hierarchy or parametric search:

- If you know which product you are looking for, a quick search can be performed by just the catalogue number or product description.
- Smart filters significantly reduce the amount of potential tooling solutions.
- After the tool is selected, NOVO also provides cutting and adaptive item options that fit with your solution.

NOVO applications can ensure you have the right tools on your machines, in the right sequence. Resulting in flawless execution that accelerates every job, and maximises every shift. **kennametal.com/novo**



Application Specific

Fix-Perfect E2–E18

Top Notch Profiling E20–E43

Railroad Machining E44–E61

K-Lock Inserts E62–E65

Fix-Perfect™

Precision Ground Insert Programme Goes Above and Beyond!

The breakthrough performance characteristics of these precision ground inserts enable outstanding indexing accuracy and excellent chip flow when machining steel, cast iron, and stainless steel workpiece materials.

Fix-Perfect Beyond™ inserts are the ideal solution to machining operations in a multitude of industries, including fluid power, energy, automotive, heavy equipment, and general engineering applications.

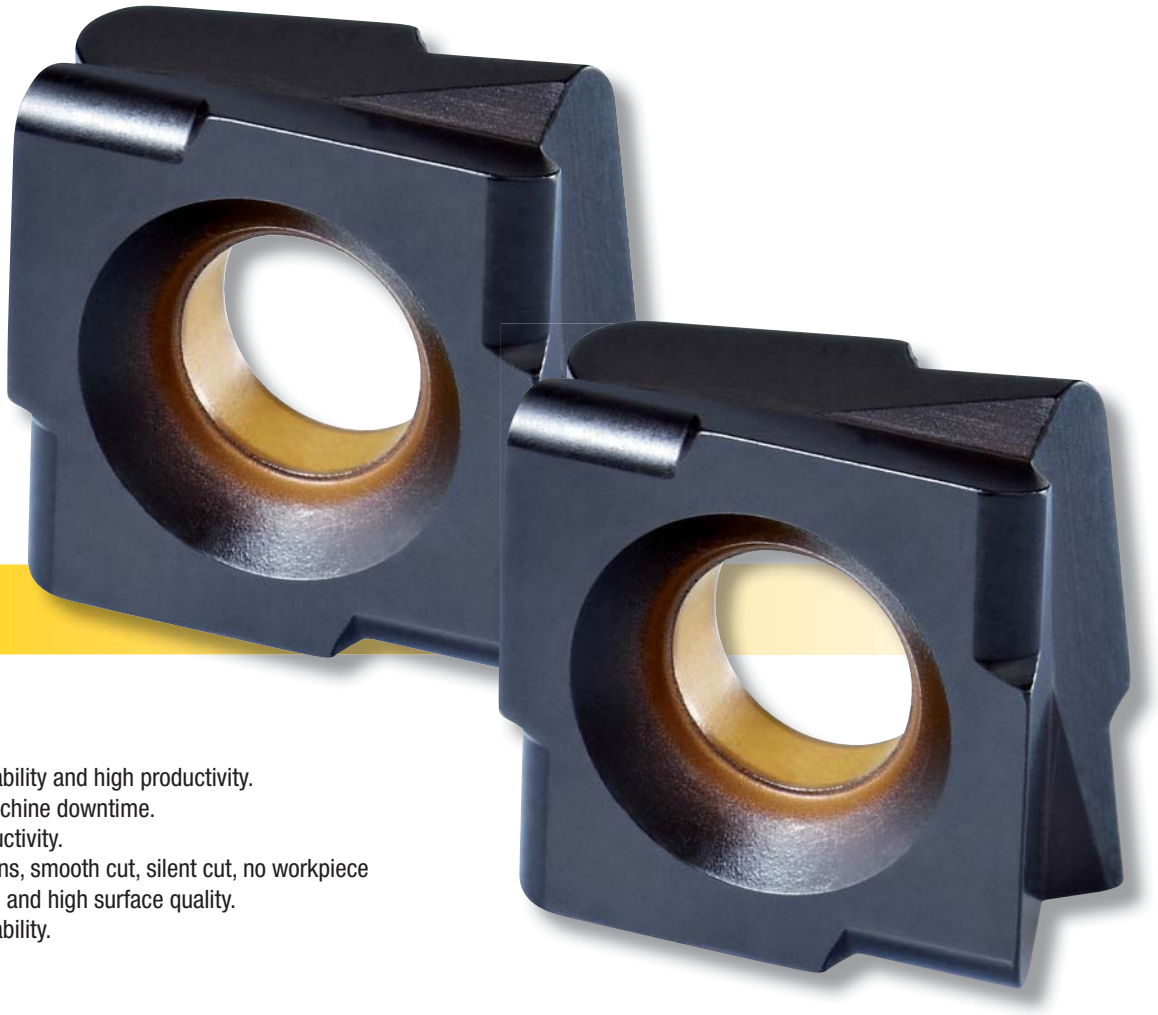
Features, Functions, and Benefits

Features

- Tangential design.
- Rigid clamping system.
- Up to eight cutting edges (protected by pocket seat).
- Positive geometry.
- Precision ground insert.

Functions

- Stable system.
- Very stable clamping system and quick and easy cutting edge switch.
- Use up to eight edges per insert.
- Very low cutting forces and excellent chip control.
- Better indexing accuracy.

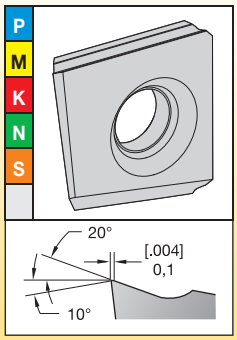


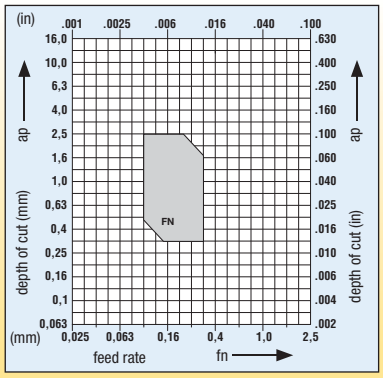
Benefits

- Process reliability and high productivity.
- Reduced machine downtime.
- Higher productivity.
- Low vibrations, smooth cut, silent cut, no workpiece deformation, and high surface quality.
- Process reliability.

Finishing

D2FIX-FN

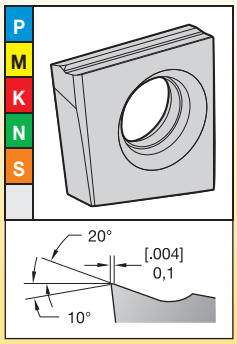


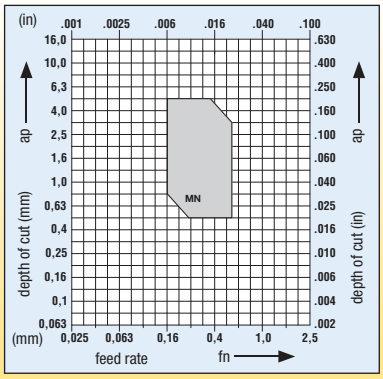


P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous Materials
S	High-Temp Alloys
H	Hardened Materials

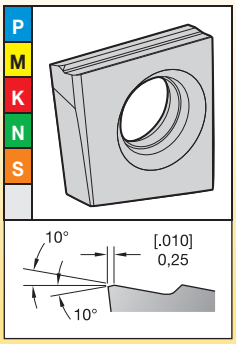
Medium Machining

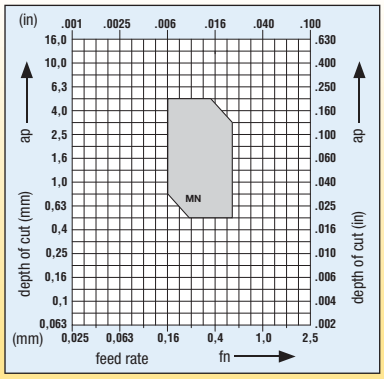
C2FIX-MN



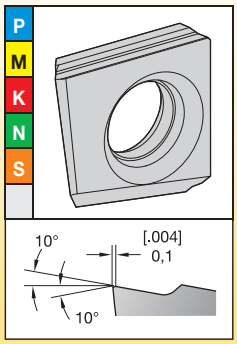


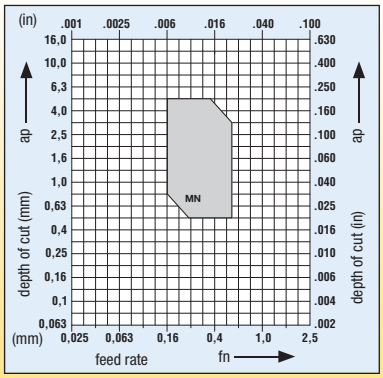
C2FIX18-MN



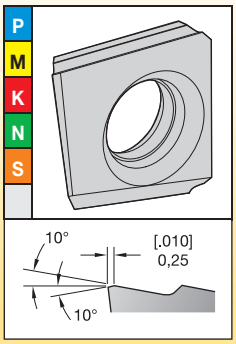


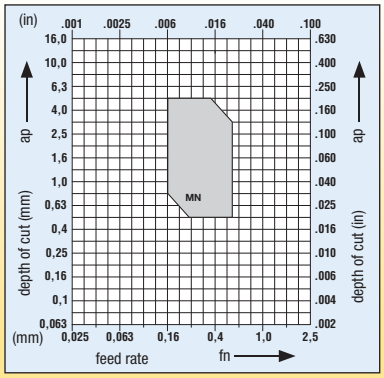
D2FIX15-MN



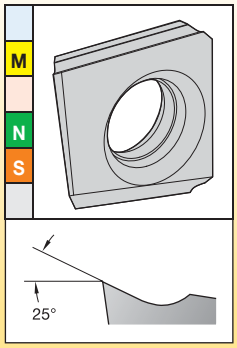


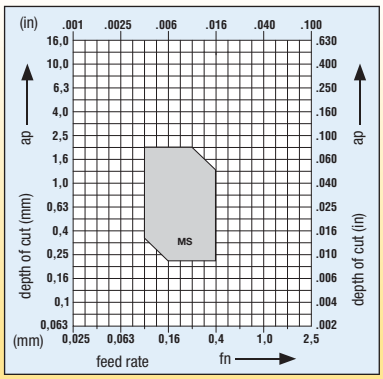
K2FIX-MN



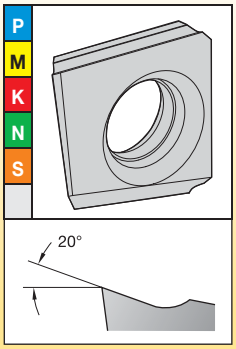


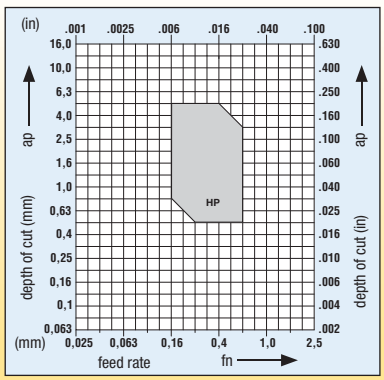
D2FIX-MS





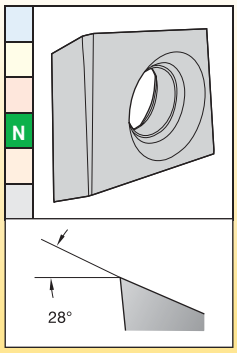
D2FIX-HP

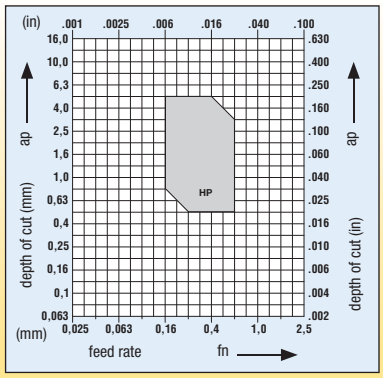




Medium Machining

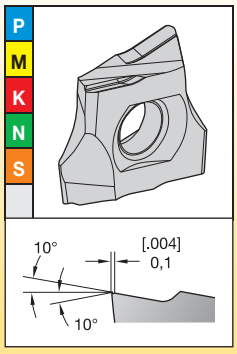
E2FIX-HP

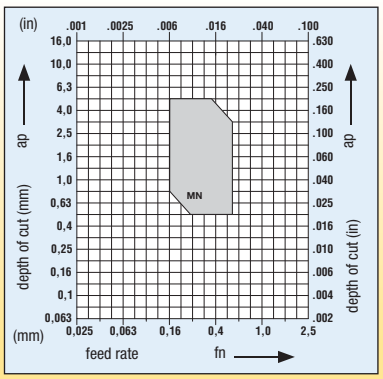




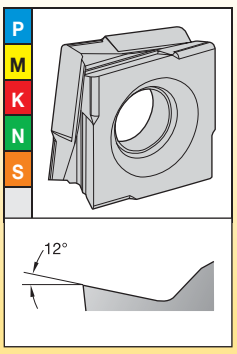
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous Materials
S	High-Temp Alloys
H	Hardened Materials

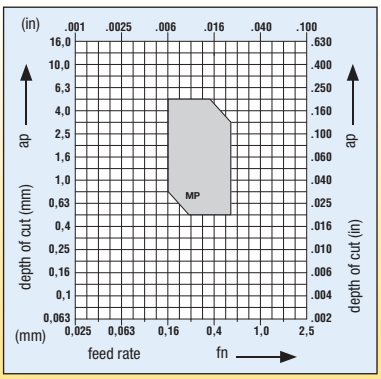
D4FIX-MN





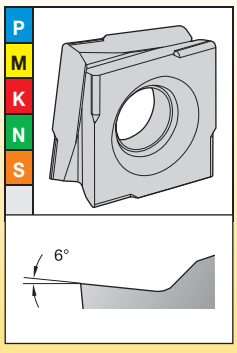
C8FIX-MP

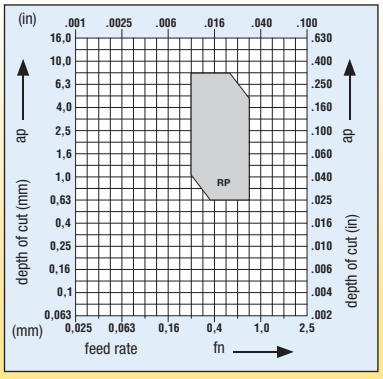




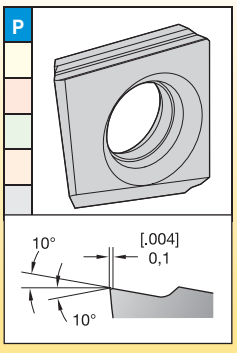
Roughing

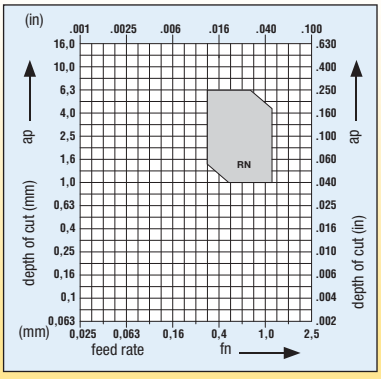
C8FIX-RP



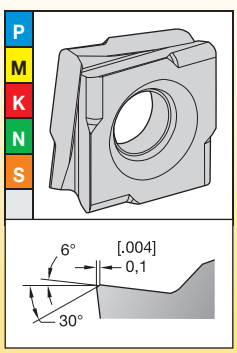


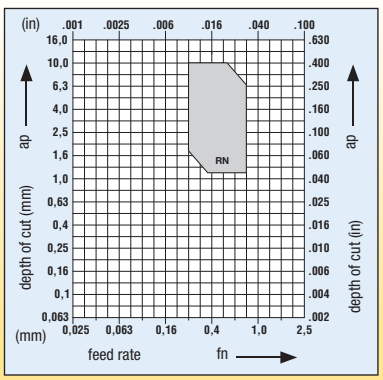
D2FIX-RN



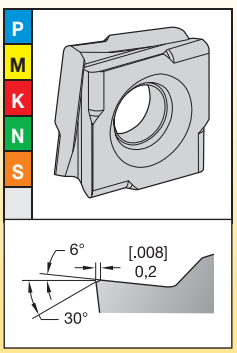


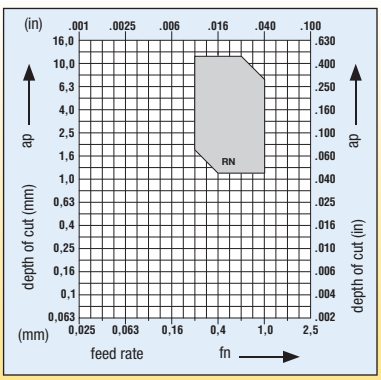
C8FIX15-RN





C8FIX18-RN





Select the Insert Geometry

8-Edged Inserts

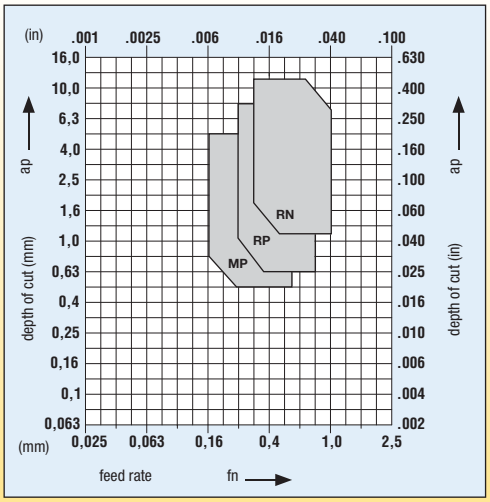
Roughing
Interrupted cut and/or heavy scale
USE: -RP OR -RN


-RP


-RN

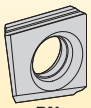
Medium Turning
Slightly interrupted cut and/or slight scale
USE: -MP


-MP

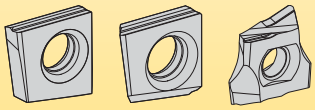


2- and 4-Edged Inserts

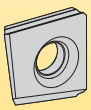
Roughing
Interrupted cut and/or heavy scale
USE: -RN

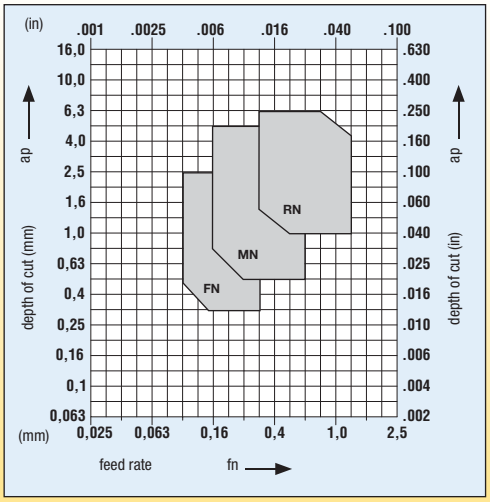

-RN

Medium Turning
Slightly interrupted cut and/or slight scale
USE: -MN


-MN

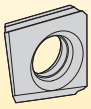
Finishing
Non-interrupted cut, not scale
USE: FN

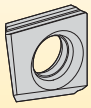

-FN

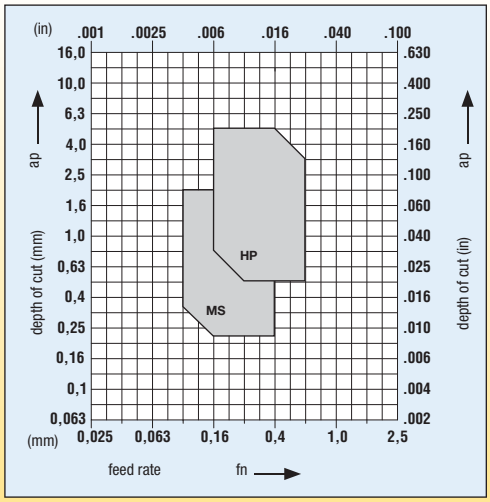


2-Edged Inserts, High Positive

Medium Turning
Slightly interrupted cut and/or slight scale
USE: -HP OR -MS


-HP


-MS



Select the grade

	P	M	K	N	S	H
heavily interrupted	KCP40/KCU25	KCU25/KCP40	KCP25/KCU25	KCU25	KCU25	–
lightly interrupted	KCP25/KCU25	KCU25/KCP40	KCP25/KCU25	KCU25	KCU25	–
varying depths of cut	KCP10/KCU10	KCU10/KCM15	KCP10/KCU10	KCU10	KCU10	KCU10
smooth	KCP10/KCU10	KCU10/KCM15	KCP10/KCU10	KCU10	KCU10	KCU10

Select the cutting speed

Steel — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	60 (200)	90 (300)	120 (400)	105 (500)	185 (617)	215 (717)	245 (800)	275 (900)	300 (1000)	m/min	SFM
P	KCP40				◁▷						150	500
	KCU10						◁▷				200	650
	KCP25						◁▷				200	650
	KCP10							◁▷			250	180

Stainless Steel — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	45 (150)	70 (233)	90 (300)	115 (383)	140 (467)	165 (550)	185 (617)	210 (700)	230 (767)	m/min	SFM
M	KCP40					◁▷					140	450
	KCM15						◁▷				165	550
	KCU25						◁▷				165	550
	KCU10							◁▷			185	600

Cast Iron — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	90 (300)	135 (450)	180 (600)	225 (750)	275 (900)	320 (1050)	360 (1200)	410 (1350)	460 (1500)	m/min	SFM
K	KCU25			◁▷							140	450
	KCU10				◁▷						165	550
	KCP25					◁▷					165	550
	KCP10						◁▷				185	600

Non-Ferrous — speed — m/min (SFM) — starting conditions ◁▷

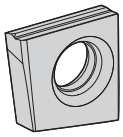
material group	grade	150 (500)	225 (750)	300 (1000)	380 (1267)	460 (1533)	535 (1783)	610 (2033)	685 (2283)	760 (2533)	m/min	SFM
N	KCU10					◁▷					460	1500

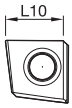
High-Temperature Alloys — speed — m/min (SFM) — starting conditions ◁▷

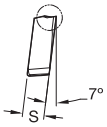
material group	grade	35 (117)	45 (150)	55 (183)	65 (217)	75 (250)	85 (283)	95 (317)	120 (400)	140 (467)	m/min	SFM
S	KCU25		◁▷								45	150
	KCU10				◁▷						60	200

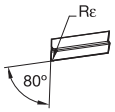
Hardened Steel — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	5 (17)	15 (50)	25 (83)	35 (117)	45 (150)	55 (183)	65 (217)	75 (250)	85 (283)	m/min	SFM
H	KCU10				◁▷						30	100









● first choice
○ alternate choice

		KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
P		●	●	●	●	●	●
M		○	○	●	●	●	●
K		●	●	●	●	●	●
N						●	●
S				○	○	●	●
H							

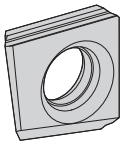
C2FIX-MN

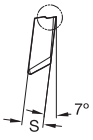
catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
C2FIX110404RMN	10,70	4,00	0,40	–	–	–	–	●	–
C2FIX110405RMN	10,70	4,00	0,50	–	●	●	–	–	–
C2FIX150510RMN	14,50	5,00	1,00	–	●	–	–	–	–
C2FIX150512RMN	14,50	5,00	1,20	–	–	–	–	–	●
C2FIX150505RMN	14,70	5,00	0,50	–	●	–	–	–	–
left hand									
C2FIX110404LMN	10,70	4,00	0,40	–	–	–	–	–	●
C2FIX110405LMN	10,70	4,00	0,50	–	●	●	–	●	–
C2FIX110408LMN	10,70	4,00	0,80	–	●	–	–	–	–
C2FIX150510LMN	14,50	5,00	1,00	–	●	●	–	–	–
C2FIX150508LMN	14,60	5,00	0,80	–	●	–	–	●	●
C2FIX150504LMN	14,70	5,00	0,40	–	–	●	–	–	●
C2FIX150505LMN	14,70	5,00	0,50	–	●	●	–	●	–
C2FIX180610LMN	17,50	6,00	1,00	–	●	●	–	●	–

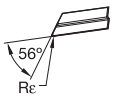
beyond

		KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
P		●	●	●	●	●	●
M		○	○	●	●	●	●
K		●	●	●	●	●	●
N						●	●
S				○	○	●	●
H							

● first choice
○ alternate choice

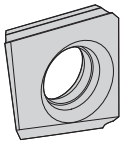


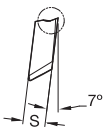



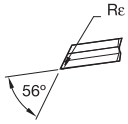


D2FIX-MN

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
D2FIX110405RMN	10,50	4,00	0,50	–	●	●	–	–	–
D2FIX150508RMN	14,20	5,00	0,80	–	●	–	–	–	–
D2FIX150505RMN	14,50	5,00	0,50	●	●	●	–	–	–
D2FIX150504RMN	14,60	5,00	0,40	–	●	–	–	–	–
D2FIX150503RMN	14,70	5,00	0,30	–	●	–	–	–	–
left hand									
D2FIX110405LMN	10,50	4,00	0,50	–	●	●	–	–	–
D2FIX150508LMN	14,20	5,00	0,80	–	●	–	–	–	–
D2FIX150505LMN	14,50	5,00	0,50	–	●	–	–	–	–





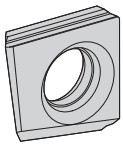
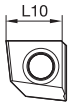
D2FIX-HP

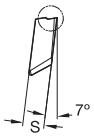
catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
D2FIX110404RHP	10,00	4,00	0,40	–	–	–	–	–	●
D2FIX110403RHP	10,10	4,00	0,30	–	●	–	–	●	–
D2FIX150508RHP	13,60	5,00	0,80	–	–	–	–	●	●
D2FIX150504RHP	14,00	5,00	0,40	–	–	–	–	●	●
D2FIX150503RHP	14,10	5,00	0,30	–	●	–	–	●	–
left hand									
D2FIX110403LHP	10,10	4,00	0,30	–	–	–	–	●	–
D2FIX150508LHP	13,60	5,00	0,80	–	–	–	–	●	–
D2FIX150503LHP	14,10	5,00	0,30	–	–	–	–	●	–

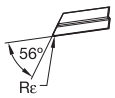
beyond

P	●	●	●	●	●	●
M	○	○	●	●	●	●
K	●	●	●	●	●	●
N					●	●
S			○	○	●	●
H						

● first choice
○ alternate choice

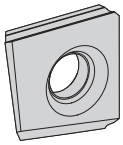
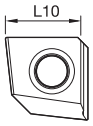



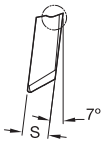


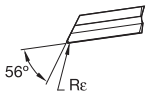


D2FIX-MS

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
D2FIX150505RMS	13,90	5,00	0,50	–	–	–	–	●	–
D2FIX150503RMS	14,10	5,00	0,30	–	–	–	–	●	–
left hand									
D2FIX150505LMS	13,90	5,00	0,50	–	–	–	–	●	–
D2FIX150503LMS	14,10	5,00	0,30	–	–	–	–	●	–

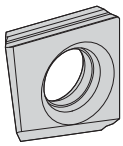



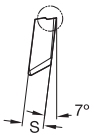


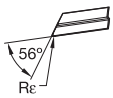


D2FIX-FN

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
D2FIX150505RFN	13,90	5,00	0,50	–	●	–	–	●	–

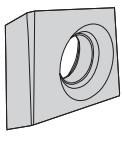
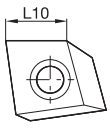


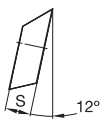



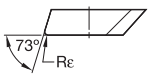


D2FIX-RN

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
D2FIX150505RRN	14,50	5,00	0,50	●	–	●	–	–	–
left hand									
D2FIX150505LRN	14,50	5,00	0,50	–	●	–	–	–	–

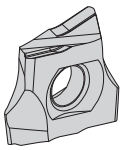


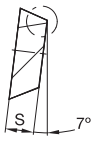


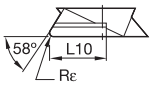
E2FIX-HP

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
E2FIX100505RHP	10,50	5,00	0,50	–	–	–	–	●	–
left hand									
E2FIX100505LHP	10,50	5,00	0,50	–	–	–	–	●	–

beyond





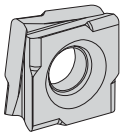
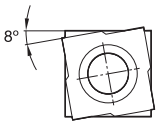


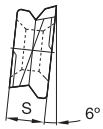
● first choice
○ alternate choice

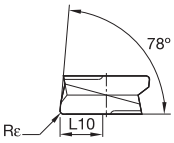
P		●	●	●	●	●	●
M		○	○	●	●	●	●
K		●	●	●	●	●	●
N						●	●
S				○	○	●	●
H							

D4FIX-MN

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
D4FIX140608RMN	6,70	5,90	0,80	●	●	–	–	●	●
D4FIX140605RMN	7,00	5,90	0,50	●	●	–	–	–	–
D4FIX140604RMN	7,10	5,90	0,40	–	–	●	–	–	●
D4FIX140603RMN	7,20	5,90	0,30	●	●	–	–	–	–
left hand									
D4FIX140608LMN	6,70	5,90	0,80	–	●	–	–	–	–

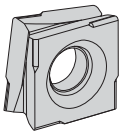



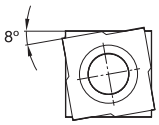


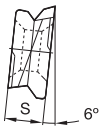


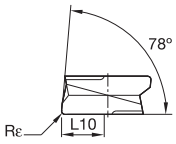
C8FIX-RN

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
C8FIX150612RRN	8,60	6,60	1,20	–	●	–	–	–	–
C8FIX150608RRN	8,90	6,60	0,80	●	●	●	–	–	●
C8FIX150605RRN	9,10	6,60	0,50	●	●	●	–	●	●
C8FIX180812RRN	10,60	7,90	1,20	–	●	●	–	–	●
C8FIX180808RRN	10,90	7,90	0,80	–	●	●	–	–	–
left hand									
C8FIX150612LRN	8,60	6,60	1,20	–	●	–	–	–	–
C8FIX150608LRN	8,90	6,60	0,80	–	●	–	–	–	●
C8FIX150605LRN	9,10	6,60	0,50	–	●	●	–	–	●
C8FIX180812LRN	10,60	7,90	1,20	–	●	–	–	–	–







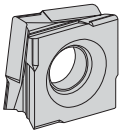


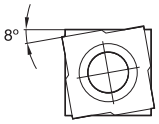
● first choice
○ alternate choice

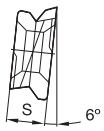
P		●	●	●	●	●	●
M		○	○	●	●	●	●
K		●	●	●	●	●	●
N						●	●
S				○	○	●	●
H							

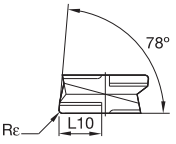
C8FIX-RP

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
C8FIX120508RRP	6,90	5,50	0,80	●	●	–	–	–	–
C8FIX120505RRP	7,10	5,50	0,50	–	●	–	–	–	●
C8FIX120504RRP	7,20	5,50	0,40	●	●	–	–	–	–
C8FIX120503RRP	7,30	5,50	0,30	–	●	●	–	–	–
left hand									
C8FIX120508LRP	6,90	5,50	0,80	–	●	●	–	–	–
C8FIX150612LRP	7,80	6,60	1,20	–	●	–	–	–	–
C8FIX150608LRP	8,80	6,60	0,80	–	–	–	–	–	●







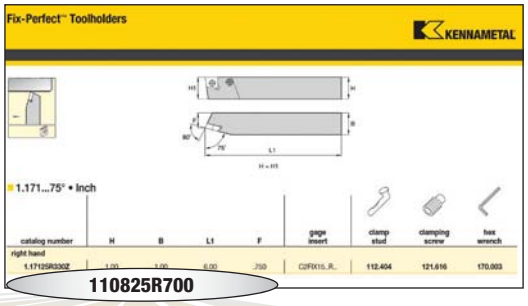


C8FIX-MP

catalogue number	L10	S	Rε	KCP10	KCP25	KCP40	KCM15	KCU10	KCU25
right hand									
C8FIX120503RMP	7,30	5,50	0,30	–	●	–	–	●	●
C8FIX150603RMP	9,30	6,60	0,30	●	●	●	–	●	●
C8FIX180805RMP	11,10	7,90	0,50	–	●	–	–	–	–
left hand									
C8FIX120503LMP	7,30	5,50	0,30	●	●	–	–	●	–
C8FIX150603LMP	9,30	6,60	0,30	–	●	–	–	–	–

How Do Catalogue Numbers Work?

Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding image to easily identify which attributes apply.



1	1	08	25	R	7	0	0
Turning Programme	Number of Cutters	Version	Shaft Dimensions	Direction of Working	Insert Size and Type	Insert Shape	Clamping Screw Support

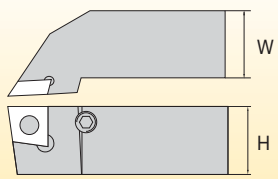
1 = Fix-Perfect

1 = Inserts with 2 cutting edges

3 = Inserts with 4 cutting edges

7 = Inserts with 8 cutting edges

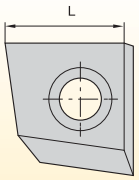
08 = 90° or 93° setting, for machining aluminium
16 = 92° setting angle
20 = 92° setting angle
22 = 92° setting angle
30 = 75° setting angle
71 = 75° setting angle
72 = 45° setting angle
77 = 90° setting angle
80 = 90° or 93° setting angle



Toolholder

10 = 10 x 10mm
11 = 40 x 40mm
16 = 16 x 16mm
20 = 20 x 20mm
21 = 50 x 50mm
25 = 25 x 25mm
32 = 32 x 25mm
32 x 32mm
40 = 40 x 32mm

R = Right
L = Left



	L	cutting edges
0	8mm 20mm 25mm	4 4 4
1	10,5mm 12mm	2 8
3	14,5mm 15mm	2 8
4	17,5mm 18mm	2 8
5	23,5mm 21mm	2 8
7	10,5mm	2 Alu

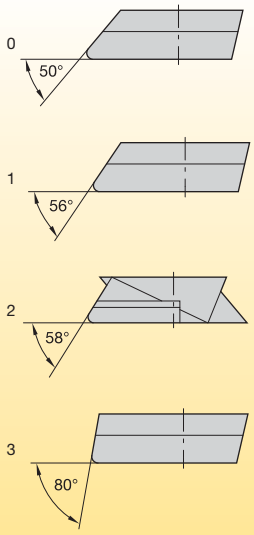
0 = Activated from main cutting edge

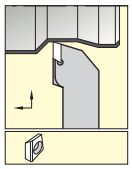
1 = Minor cutting edge

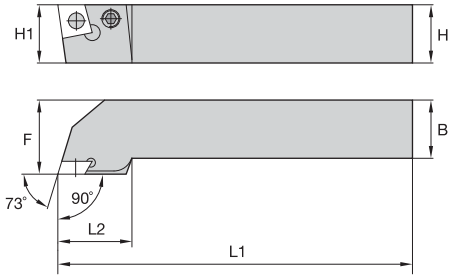
2 = Above

5 = Main cutting edge with sharp-edged full cartridge

6 = Minor cutting edge with sharp-edged full cartridge



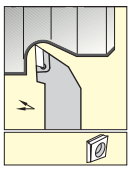


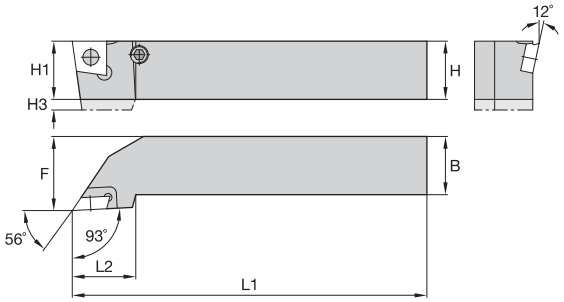


H = H1

1.108...90° • Metric

catalogue number	H	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
right hand								
1.10825R700	25	25	150,0	32,0	E2FIX10..R..	**410.081**	**121.616**	**170.003**

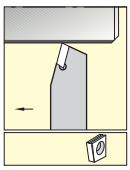


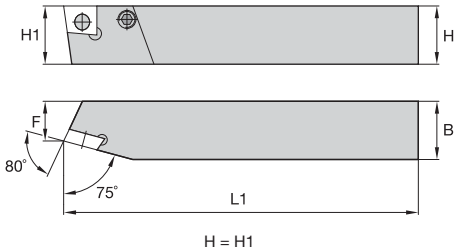


H = H1

1.108...93° • Metric

catalogue number	H	H3	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
right hand									
1.10820R310	20	5	20	125,0	25,0	D2FIX15..RHP/FN/MS	**112.403**	**121.612**	**170.003**
1.10825R310	25	–	25	150,0	32,0	D2FIX15..RHP/FN/MS	**112.404**	**121.616**	**170.003**
left hand									
1.10825L310	25	5	25	150,0	32,0	D2FIX15..LHP/FN/MS	**112.404**	**121.616**	**170.003**



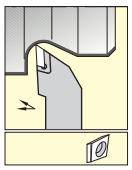


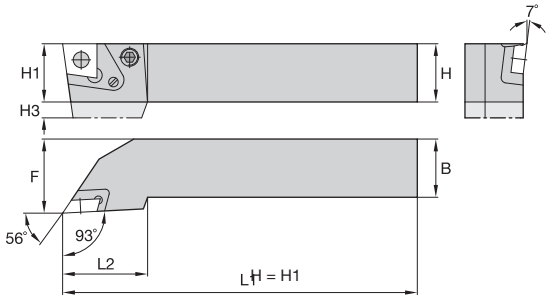
1.171...75° • Metric





catalogue number	H	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
left hand								
1.17125L330	25	25	150,0	17,0	C2FIX15..L..	**112.404**	**121.616**	**170.003**



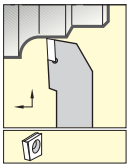


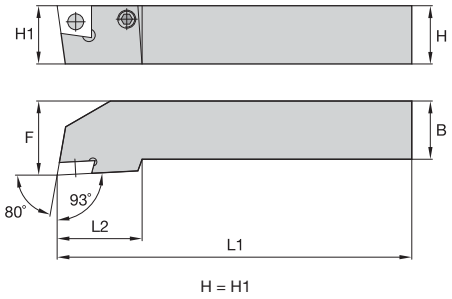
1.18 • Metric





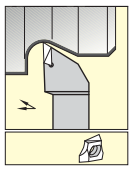

catalogue number	H	H3	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench	steel nest assembly
right hand										
1.18016R110	16	4	16	100,0	24,0	D2FIX11..R..	**112.244**	**121.612**	**170.003**	–
1.18020R110	20	–	20	125,0	25,0	D2FIX11..R..	**112.244**	**121.612**	**170.003**	–
1.18020R310	20	5	20	125,0	26,0	D2FIX15..R..	**112.403**	**121.612**	**170.003**	–
1.18025R110	25	–	25	150,0	32,0	D2FIX11..R..	**112.244**	**121.612**	**170.003**	–
1.18025R310	25	–	25	150,0	32,0	D2FIX15..R..	**112.404**	**121.616**	**170.003**	–
1.18025R315	25	7	25	150,0	32,0	D2FIX15..R..	**112.505**	**121.616**	**170.003**	**132.151**
1.18032R315	32	–	25	170,0	32,0	D2FIX15..R..	**112.505**	**121.616**	**170.003**	**132.151**
left hand										
1.18016L110	16	4	16	100,0	24,0	D2FIX11..L..	**112.244**	**121.612**	**170.003**	–
1.18020L110	20	–	20	125,0	25,0	D2FIX11..L..	**112.244**	**121.612**	**170.003**	–
1.18025L310	25	–	25	150,0	32,0	D2FIX15..L..	**112.404**	**121.616**	**170.003**	–
1.18025L315	25	7	25	150,0	32,0	D2FIX15..L..	**112.505**	**121.616**	**170.003**	**132.156**
1.18032L315	32	–	25	170,0	32,0	D2FIX15..L..	**112.505**	**121.616**	**170.003**	**132.156**

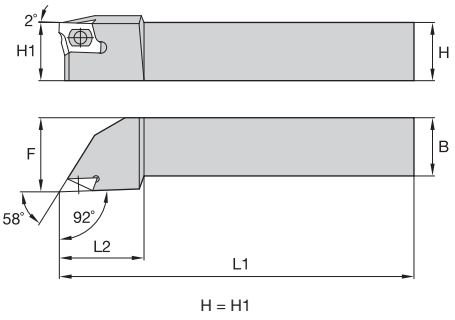




1.180...93° • Metric

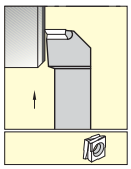
catalogue number	H	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
left hand								
1.18025L330	25	25	150,0	32,0	C2FIX15..L..	**112.404**	**121.616**	**170.003**

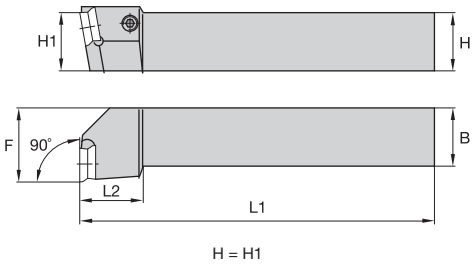




1.380...92° • Metric

catalogue number	H	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
right hand								
1.38020R021	20	20	125,0	25,0	D4FIX..R..	**114.111**	**121.812**	**170.004**
1.38025R021	25	25	150,0	32,0	D4FIX..R..	**114.114**	**121.816**	**170.004**
left hand								
1.38025L021	25	25	150,0	32,0	D4FIX..L..	**114.114**	**121.816**	**170.004**

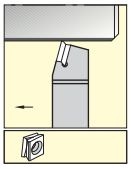


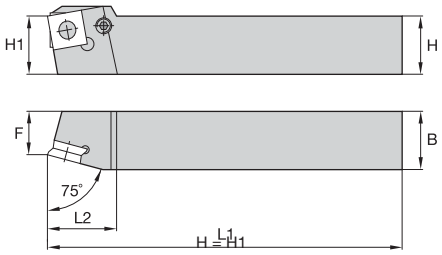


1.777...90° • Metric

catalogue number	H	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
right hand								
1.77725R301	25	25	150,0	32,0	C8FIX15..L..	**118.314**	**121.816**	**170.004**

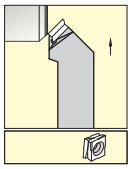
NOTE: Right-hand tool requires left-hand insert.

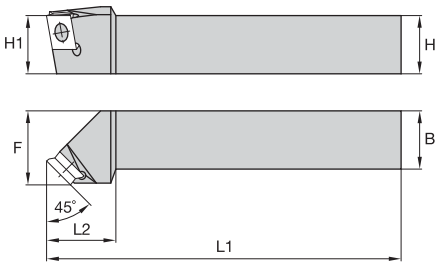




1.771...75° • Metric

catalogue number	H	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
right hand								
1.77120R100	20	20	125,0	17,0	C8FIX12..R..	**118.204**	**121.612**	**170.003**
1.77125R300	25	25	150,0	21,0	C8FIX115..R..	**410.084**	**121.816**	**170.004**
1.77132R400	32	32	170,0	27,0	C8FIX18..R..	**410.091**	**–**	**–**
left hand								
1.77120L100	20	20	125,0	17,0	C8FIX12..L..	**118.204**	**121.612**	**170.003**



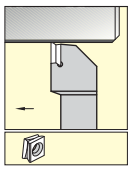


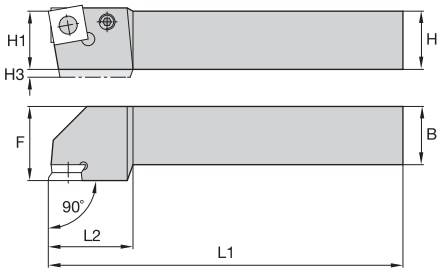
H = H1

1.772...45° • Metric

catalogue number	H	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
right hand								
1.77225R301	25	25	150,0	32,0	C8FIX15..L..	**118.314**	**121.816**	**170.004**

NOTE: C8FIX15..L.. is usable for plunging only.
For both plunging and turning, C4FIX15..L.. has to be used.





H = H1

1.780...90° • Metric

catalogue number	H	H3	B	L1	F	gage insert	clamp stud	clamping screw	hex wrench
right hand									
1.78012R103	12	–	12	80,0	14,0	C8FIX12..R..	–	–	**170.003**
1.78016R100	16	4	16	100,0	25,0	C8FIX12..R..	**118.204**	**121.616**	**170.003**
1.78020R100	20	–	20	125,0	25,0	C8FIX12..R..	**118.204**	**121.616**	**170.003**
1.78025R100	25	–	25	150,0	32,0	1.81201R...	**118.204**	**121.616**	**170.003**
1.78025R300	25	–	25	150,0	32,0	C8FIX15..R..	**410.084**	**121.816**	**170.004**
1.78032R400	32	–	32	170,0	40,0	C8FIX18..R..	**410.091**	**121.825**	**170.004**
left hand									
1.78025L100	25	–	25	150,0	32,0	1.81202L...	**118.204**	**121.616**	**170.003**
1.78025L300	25	–	25	150,0	32,0	C8FIX15..L..	**410.084**	**121.816**	**170.004**

Grooving Tools and **Beyond**™ Inserts for Your Shallow Groove and Turn Operations

Top Notch™



Top Notch Grooving Tools and Beyond Inserts are the proven solution for high productivity. The Top Notch system provides consistent tool performance, accurate indexing, and superior clamping to provide excellent surface finishing and superior tool life.

FEATURES AND BENEFITS

- The Beyond PVD coated grades are designed to cut a variety of workpiece materials.
- Rigid clamping securely locks insert in place through the toughest cuts.
- Versatile design enables one system to handle O.D. and I.D. grooving, face grooving, back turning, undercutting, and even threading operations.
- Chip control inserts provide excellent chip evacuation in grooving, and offer better chip control in multidirectional turning.

Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com**.

KENNAMETAL®

kennametal.com

Beyond™ Top Notch™ Profiling

The Top Notch system is the proven solution for high productivity. The Top Notch system provides consistent tool performance, accurate indexing, and superior clamping to provide excellent surface finishing and superior tool life.



Features and Benefits

Beyond™ Grades

Higher Productivity and Profitability

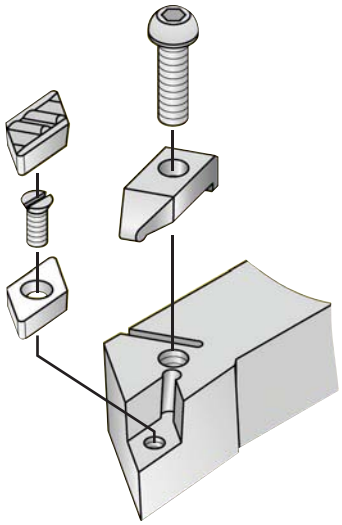
- Lower cutting forces increase speeds and reduce cycle time.
- Extended tool life.

Reliability

- Predictable tool life/uniform wear.
- Resists chip flow damage.
- Consistent surface finish.

Versatility

- Products can be applied across a wide range of applications.
- Use in low- to high-speed applications.
- Complete portfolio of products.
- For finish to rough turning of steel, cast iron, stainless steel, and high-temp alloys.



FP Geometry

- Higher metal removal rate.
- Versatility.
- Long tool life.
- Optimum chip control over wide range of cutting conditions and workpiece materials.
- Improved surface finish.
- Better indexability.
- Less adjustment during insert change.



UF Geometry

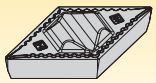
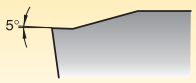
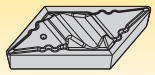
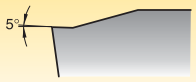
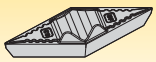
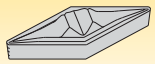
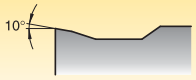
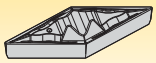
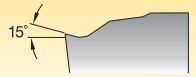
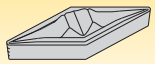
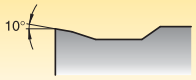
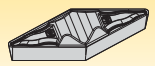
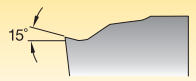
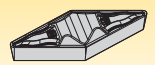
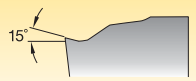
- Reduces cutting forces.
- Long tool life.
- Optimum chip control over wide range of cutting conditions.
- Chip control in finishing applications.

HP Geometry

- Reduces cutting forces.
- Long tool life.
- Interference is avoided to improve surface finish of the workpiece.
- Better indexability.
- Good control over job dimensions.
- Reduces workpiece material sticking.

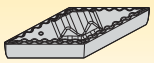
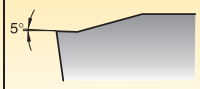
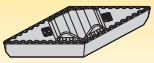
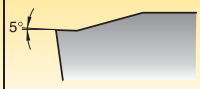
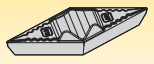
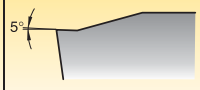
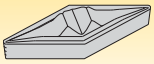
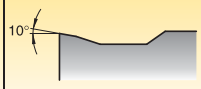
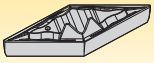
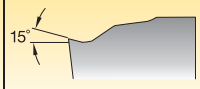
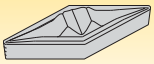
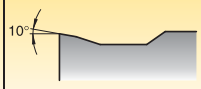
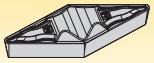
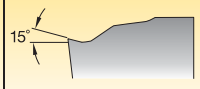
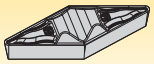
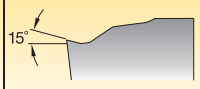
Select the geometry — based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 — depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
fine finishing	DCGR-UF			0,1–0,3 0,1–1,3
	KCGR-UF			0,1–0,3 0,1–1,3
finishing	DCGR			0,1–0,3 0,1–1,3
	KCGR			0,1–0,4 0,3–2,0
	DCGR-FP			0,063–0,25 0,16–1,6
	DCGR-HP			0,1–0,4 0,3–2,0
	KCGR-FP			0,063–0,25 0,16–1,6
	KCGR-HP			0,063–0,25 0,16–1,6

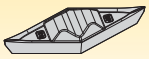
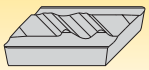
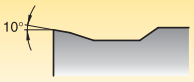
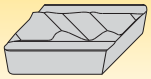
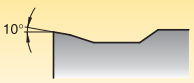
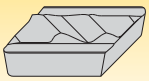
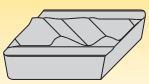
Select the geometry — based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

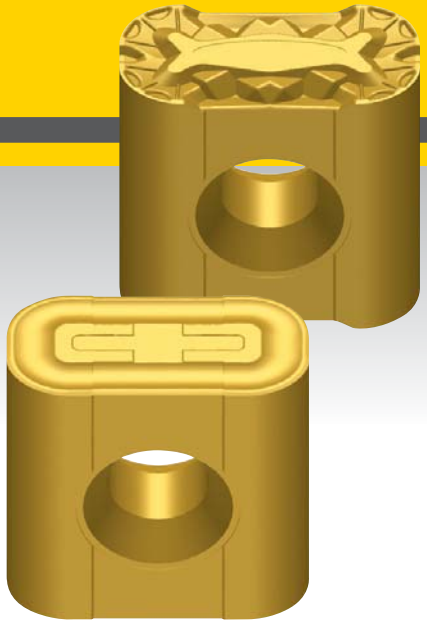
operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
fine finishing	VBMR-UF			0,1–0,3 0,1–1,3
	VCMR-UF			0,1–0,3 0,1–1,3
	VPGR-UF			0,1–0,3 0,1–1,3
finishing	VBMR			0,1–0,4 0,3–2,0
	VBMR-FP			0,063–0,25 0,16–1,6
	VCGR			0,1–0,4 0,3–2,0
	VCMR-FP			0,063–0,25 0,16–1,6
	VPGR-FP			0,063–0,25 0,16–1,6

Select the geometry — based on feed rate and depth of cut

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

operation	insert style application	insert geometry	profile	feed rate — mm: 0,04 / 0,063 / 0,01 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 5,0 depth of cut — mm: 0,1 / 0,16 / 0,25 / 0,4 / 0,63 / 1,0 / 1,6 / 2,5 / 4,0 / 6,3 / 10,0
finishing	**VPGR-HP**			0,2–0,4 0,6–2,3
finishing	**KNGX-15**			0,2–0,4 0,8–2,8
finishing	**KNGX-20**			0,2–0,5 1,0–3,0
	KNGX-25			0,3–0,6 1,1–3,6
finishing	**KNGX-32**			0,3–0,7 1,5–5,1

Kennametal Tools for **Railways** and **Wheel Machining**



Kennametal offers a complete line of tooling for wheel and axle maintenance in railroad shops. All tools incorporate the latest technology for maximum metal removal and higher productivity. They are proven performers in actual use over extended periods of time, under a wide range of operating conditions. Standard off-the-shelf inserts and fewer pieces of hardware reduce inventory and operating costs. Included in this range are tools for reconditioning mounted wheel sets, wheel boring, wheel truing, axle turning, and journal burnishing.

Experience the advantages at your Authorised Kennametal Distributor or at **kennametal.com.**

KENNAMETAL®

kennametal.com

Step 1 • Select the insert geometry

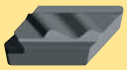
Negative Inserts



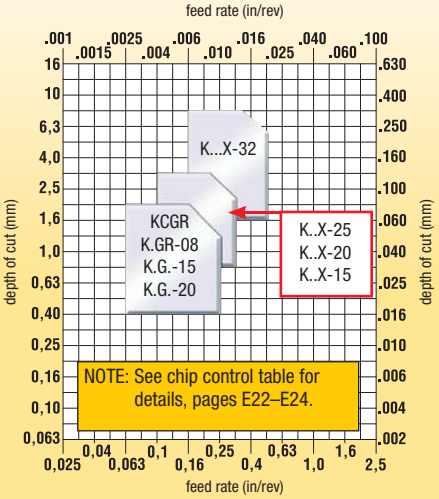
-K...X-32
Roughing



-K...X-25–K...X-15,
Medium Machining



-K. GR-08, K.G.-15,
K.G.-20
Finishing



Positive Inserts



-VCMR
Medium Machining



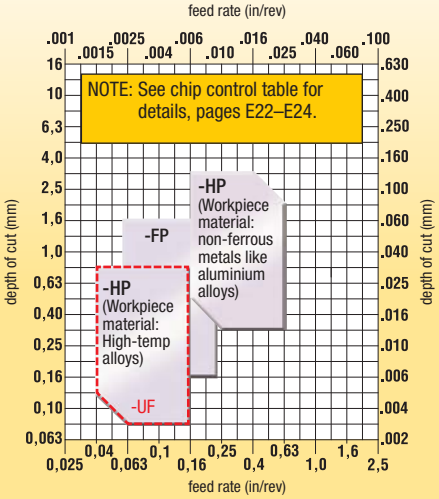
-.CGR, VBMR
Finishing



-VCGN
Finishing



-KCGR
Finishing



Chip Control Range
-UF: feed 0,08–0,3 mm/rev; DOC 0,1–1,3mm
-FP: feed 0,1–0,3 mm/rev; DOC 0,1–1,3mm
-HP: feed 028–0,4 mm/rev; DOC 0,6–2,3mm

Step 2 • Select the grade

		Steel			Stainless Steel		
cutting condition		**Finishing**	**Medium Machining**	**Roughing**	**Finishing**	**Medium Machining**	**Roughing**
heavily interrupted cut		**KCP25**	**KCM25**	**KCM25**	**KCM25**	**KCM25**	**KCM25**
lightly interrupted cut		**KCP10**	**KCP25**	**KCP25**	**KC5010/KCU10**	**KC5025/KCU25**	**KC5025/KCU25**
varying depth of cut, casting, or forging skin		**KT315**	**KCP25**	**KCP25**	**KT315**	**KCM25**	**KCM25**
smooth cut, pre-turned surface		**KT315**	**KCP05/KCP10**	**KCP10**	**KT315**	**KC5010/KCU10**	**KCM25**

		Cast Iron			Non-Ferrous		
cutting condition		**Finishing**	**Medium Machining**	**Roughing**	**Finishing**	**Medium Machining**	**Roughing**
heavily interrupted cut		**KCP10**	**KCP10**	**KCP10**	**KC5010/KCU10**	**KC5010/KCU10**	**KC5010/313/ KCU10**
lightly interrupted cut		**KCP05**	**KCP05**	**KCP05**	**KC5410/KD1425**	**KC5010/KCU10**	**KC5010**
varying depth of cut, casting, or forging skin		**KCK05**	**KCK05**	**KCK05**	**KD1425**	**KC5410**	**KC5410**
smooth cut, pre-turned surface		**KC5010/KCU10**	**KC5010/KCU10**	**KC5010/KCU10**	**KD1425**	**KC5410**	**KC5410**

		High-Temperature Alloys		
cutting condition		**Finishing**	**Medium Machining**	**Roughing**
heavily interrupted cut		**KC5025/KUC25**	**K68**	**K68**
lightly interrupted cut		**KC5010**	**KC5010**	**KCM25**
varying depth of cut, casting, or forging skin		**KC5010**	**KC5010**	**KC5010**
smooth cut, pre-turned surface		**KC5010/KCU10/ K313**	**KC5010/KCU10**	**KC5010**

Select the cutting speed

Steel — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	400 (1300)	m/min	SFM
P	KT315					◁▷				260	850
	KCP05/KCP10					◁▷				340	800
	KCP25				◁▷					180	600
	KCM25			◁▷						165	550

Stainless Steel — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	50 (170)	100 (330)	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	400 (1300)	m/min	SFM
M	KT315			◁▷						230	750
	KC5010/KCU10				◁▷					180	600
	KC5025/KCU25		◁▷							120	400
	KCM25			◁▷						150	500

Cast Iron — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	150 (490)	200 (655)	250 (820)	300 (980)	350 (1150)	400 (1300)	500 (1600)	750 (2400)	m/min	SFM
K	KB1345								◁▷	760	2520
	KT315				◁▷					275	900
	KC5010/KCU10			◁▷						245	800
	KCK20			◁▷						245	800
	KCP25			◁▷						230	750

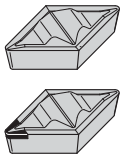
Non-Ferrous — speed — m/min (SFM) — starting conditions ◁▷

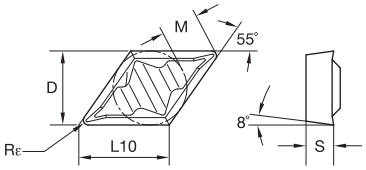
material group	grade	250 (800)	500 (1600)	750 (2400)	1000 (3200)	1250 (4000)	1500 (4800)	1750 (5600)	2000 (6400)	m/min	SFM
N	K01425			◁▷						765	2500
	KC5410		◁▷							550	1800
	KC5010/KCU10		◁▷							460	1500
	K68/K313	◁▷								150	500

High-Temperature Alloys — speed — m/min (SFM) — starting conditions ◁▷

material group	grade	15 (50)	40 (120)	55 (180)	80 (250)	100 (330)	170 (550)	200 (655)	120 (400)	m/min	SFM
S	KC5010/KCU10				◁▷					60	200
	KC5025/KCU25			◁▷						50	170
	KCM25				◁▷					70	230
	K68/K313		◁▷							30	100

◁▷ Represents the recommended starting conditions. Optimise for your specific application.



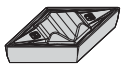


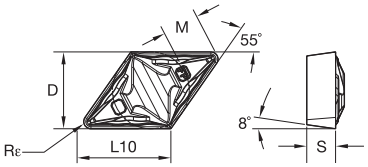
● first choice
○ alternate choice

		K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P		●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M		●	●	●					●	●	●	●	●	●	●		●	
K		●	●	●	○	○	○	●				●	●	●	●		●	
N		●	●	●								●	●	●	●	●		●
S		●	●	●					●	●	●	●	●	●	●			
H																		

DCGR • DPGR

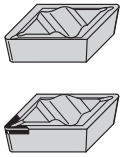
ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
DCGR150404	12,70	15,50	4,76	6,94	0,4	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–
DCGR150408	12,70	15,50	4,76	6,48	0,8	●	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	●
DCGR150412	12,70	15,50	4,76	6,01	1,2	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–

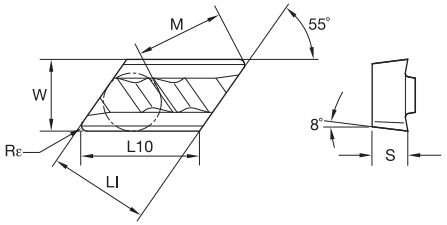




DCGR-FP • DPGR-FP

ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
DCGR150404FP	12,70	15,50	4,76	6,94	0,4	–	–	–	–	–	●	–	–	–	–	●	–	–	–	–	–	–
DCGR150408FP	12,70	15,50	4,76	6,48	0,8	–	–	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–



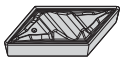


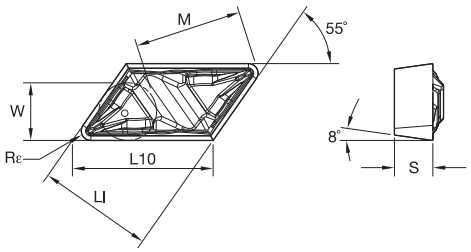
● first choice
○ alternate choice

		K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P		●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M		●	●	●					●	●	●	●	●	●	●		●	
K		●	●	●	○	○	○	●				●	●	●	●		●	
N		●	●	●								●	●	●	●	●		●
S		●	●	●					●	●	●	●	●	●	●			
H																		

KCGR • NPGR

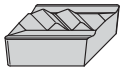
ISO catalogue number	LI	L10	W	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
right hand																							
KCGR110304R08	9,53	11,60	6,35	3,18	9,10	0,4	●	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	●
KCGR110308R08	9,53	11,60	6,35	3,18	8,66	0,8	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	●	–
left hand																							
KCGR110308L08	9,53	11,60	6,35	3,18	8,66	0,8	–	–	–	–	–	–	–	●	–	–	●	●	–	●	–	–	●
KCGR110304L08	9,53	11,60	6,35	3,18	9,10	0,4	●	–	–	–	–	–	–	–	–	–	●	●	●	●	–	●	–

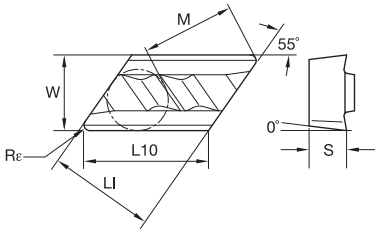




KCGR-FP • NPGR-FP

ISO catalogue number	LI	L10	W	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
right hand																							
KCGR110304R08FP	9,52	11,60	6,35	3,18	9,13	0,4	–	–	–	●	–	●	–	–	–	●	–	–	–	–	–	–	–
KCGR110308R08FP	9,52	11,63	6,35	3,18	8,73	0,8	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–
left hand																							
KCGR110308L08FP	9,52	11,63	6,35	3,18	8,73	0,8	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
KCGR110304L08FP	9,52	11,60	6,35	3,18	9,13	0,4	–	–	–	●	–	●	–	–	–	●	–	●	–	–	–	–	–





● first choice
○ alternate choice

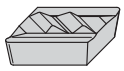
		K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P		●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M		●	●	●					●	●	●	●	●	●	●		●	
K		●	●	●	○	○	○	●				●	●	●	●		●	
N		●	●	●								●	●	●	●	●		●
S		●	●	●					●	●	●	●	●	●	●			
H																		

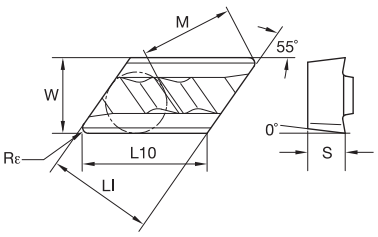
KNGX • NPR/L

ISO catalogue number	LI	L10	W	S	M	Rε
right hand						
KNGX150404R20	12,68	15,44	9,47	4,76	13,46	0,4
KNGX150408R20	12,68	15,44	9,47	4,76	12,99	0,8
KNGX150401R15	12,70	15,44	9,53	4,76	13,76	0,1
KNGX150402R15	12,70	15,44	9,53	4,76	13,67	0,2
KNGX220404R25	18,62	22,73	9,53	4,76	19,91	0,4
KNGX220408R32	18,62	22,73	9,53	4,76	19,47	0,8
left hand						
KNGX150408L20	12,68	15,44	9,47	4,76	12,99	0,8
KNGX150404L20	12,68	15,44	9,47	4,76	13,46	0,4
KNGX220408L20	18,62	22,73	9,53	4,76	19,47	0,8

–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–		
–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	
●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	
–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	
–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	
–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	
●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	
–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	
–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	

Application Specific



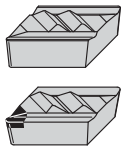


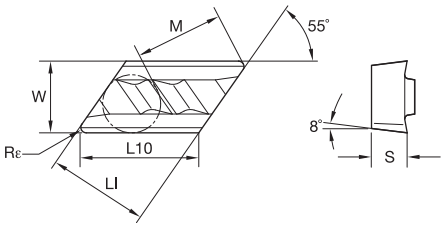
● first choice
○ alternate choice

		K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P		●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M		●	●	●					●	●	●	●	●	●	●		●	
K		●	●	●	○	○	○	●				●	●	●	●		●	
N		●	●	●								●	●	●	●	●		●
S		●	●	●					●	●	●	●	●	●	●			
H																		

KNUX • NPR/L

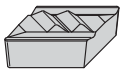
ISO catalogue number	LI	L10	W	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
right hand																							
KNUX150405R20	12,70	15,44	9,53	4,76	13,32	0,5	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
KNUX150405R25	12,70	15,44	9,53	4,76	13,32	0,5	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
KNUX150410R25	12,70	15,44	9,53	4,76	12,74	1,0	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
KNUX160405R1	16,15	17,51	9,52	4,76	–	0,5	–	–	–	–	–	–	–	●	●	–	–	●	–	–	–	–	–
KNUX160405R2	16,15	17,51	9,52	4,76	–	0,5	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
KNUX160410R1	16,15	17,51	9,52	4,76	–	1,0	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
KNUX160410R2	16,15	17,51	9,52	4,76	–	1,0	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–
left hand																							
KNUX150410L25	12,70	15,44	9,53	4,76	12,74	1,0	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
KNUX150405L25	12,70	15,44	9,53	4,76	13,32	0,5	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
KNUX160405L1	16,15	17,51	9,52	4,76	–	0,5	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–
KNUX160405L2	16,15	17,51	9,52	4,76	–	0,5	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–

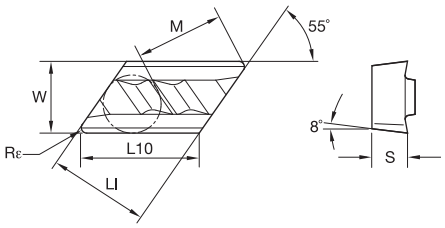




KCGX • NPR/L

ISO catalogue number	LI	L10	W	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
right hand																							
KCGX110301R15	9,53	11,60	6,35	3,18	9,43	0,1	●	●	–	–	–	–	–	–	–	–	●	–	●	●	–	–	●
KCGX110302R15	9,53	11,60	6,35	3,18	9,34	0,2	–	●	–	–	–	–	–	–	–	–	●	●	●	–	–	●	●
KCGX110304R15	9,53	11,60	6,35	3,18	9,11	0,4	●	●	–	–	–	–	–	–	–	–	●	●	●	●	●	●	●
KCGX110308R15	9,57	–	6,33	3,18	8,69	0,8	●	–	–	–	–	–	–	–	–	–	●	–	●	●	–	●	–
left hand																							
KCGX110304L15	9,53	11,60	6,35	3,18	9,11	0,4	●	●	–	–	–	–	–	–	–	–	●	●	●	●	–	–	●
KCGX110302L15	9,53	11,60	6,35	3,18	9,34	0,2	–	●	–	–	–	–	–	–	–	–	●	●	–	–	–	–	●
KCGX110301L15	9,53	11,60	6,35	3,18	9,43	0,1	●	●	–	–	–	–	–	–	–	–	–	●	●	–	–	–	●
KCGX110308L15	9,57	–	6,33	3,18	8,69	0,8	●	●	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–



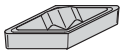


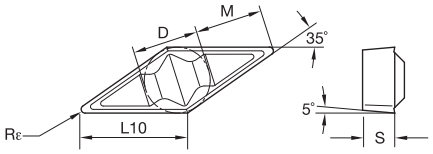
● first choice
○ alternate choice

		K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P		●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M		●	●	●					●	●	●	●	●	●	●		●	
K		●	●	●	○	○	○	●				●	●	●	●		●	
N		●	●	●								●	●	●	●	●		●
S		●	●	●					●	●	●	●	●	●	●			
H																		

KCUX • NPR/L

ISO catalogue number	LI	L10	W	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
right hand																							
KCUX110302R15	9,50	11,60	6,33	3,18	9,40	0,2	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
KCUX110305R15	9,53	11,60	6,35	3,18	9,06	0,5	●	–	–	–	●	–	–	–	–	–	●	–	●	–	–	–	–
KNUX150405R20	12,70	15,44	9,53	4,76	13,32	0,5	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
left hand																							
KCUX110302L15	9,46	11,60	6,33	3,18	9,40	0,2	●	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–
KCUX110305L15	9,53	11,60	6,35	3,18	9,06	0,5	●	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–

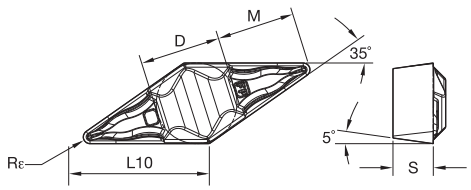




VBMR

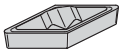
ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
VBMR110304	6,35	11,07	3,18	6,46	0,4	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	●	–

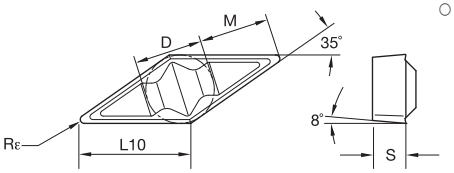




VBMR-FP

ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
VBMR110302FP	6,35	11,04	3,18	6,91	0,2	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
VBMR110304FP	6,35	11,07	3,18	6,46	0,4	–	–	–	●	–	●	–	–	–	–	–	●	–	–	–	–	–
VBMR110308FP	6,35	11,07	3,18	5,54	0,8	–	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–



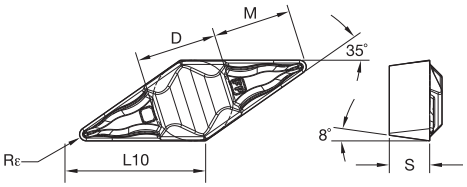


● first choice
○ alternate choice

VCMR

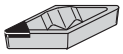
ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P						●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M						●	●	●					●	●	●	●	●	●	●		●	
K						●	●	●	○	○	○	●				●	●	●	●		●	
N						●	●	●								●	●	●	●	●		●
S						●	●	●					●	●	●	●	●	●	●			
H																						
VCMR160404	9,53	16,61	4,76	10,15	0,4	–	–	–	–	–	–	–	●	–	–	–	●	●	●	–	●	–
VCMR160408	9,53	16,61	4,76	9,23	0,8	–	–	–	–	–	–	–	●	–	–	●	●	●	●	–	●	–

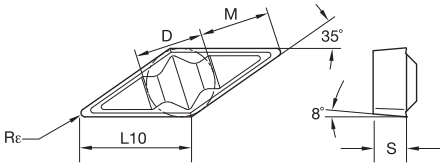




VCMR-FP

ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
VCMR160404FP	9,52	16,61	4,76	10,15	0,4	–	–	–	●	–	●	–	–	–	●	●	●	–	–	–	–	–
VCMR160408FP	9,52	16,61	4,76	9,23	0,8	–	–	–	●	–	●	●	–	–	●	–	–	–	–	–	–	–



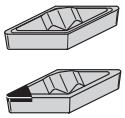


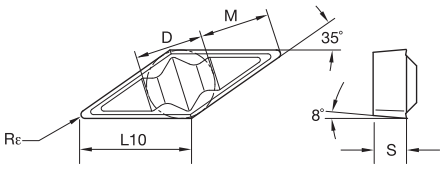
● first choice
○ alternate choice

		K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P		●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M		●	●	●					●	●	●	●	●	●	●		●	
K		●	●	●	○	○	○	●				●	●	●	●		●	
N		●	●	●								●	●	●	●	●		●
S		●	●	●					●	●	●	●	●	●	●			
H																		

VPGN

ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
VCGN160404	9,53	16,61	4,76	10,15	0,4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
VCGN160408	9,53	16,61	4,76	9,23	0,8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●

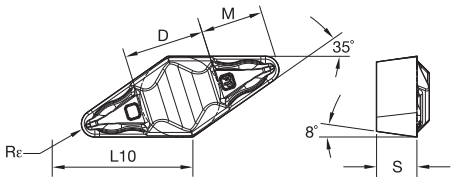




VCGR • VPGR

ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
VCGR160402	9,53	16,61	4,76	10,60	0,2	●	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–
VCGR160404	9,53	16,61	4,76	10,15	0,4	●	●	–	–	–	●	–	–	–	–	●	●	●	●	●	●	●
VCGR160408	9,52	16,61	4,76	9,23	0,8	●	●	–	–	●	–	–	–	–	–	●	●	●	●	●	●	●
VCGR160412	9,53	16,61	4,76	8,31	1,2	●	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	●
VCGR160416	9,53	16,61	4,76	7,38	1,6	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–





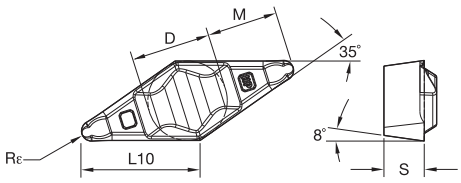
● first choice
○ alternate choice

		K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
P		●	●	●	●	●	●	○	○	○	○	●	●	●	●		●	
M		●	●	●					●	●	●	●	●	●	●		●	
K		●	●	●	○	○	○	●				●	●	●	●		●	
N		●	●	●								●	●	●	●	●		●
S		●	●	●					●	●	●	●	●	●	●			
H																		

VCGR-FP • VPGR-FP

ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
VCGR160402FP	9,52	16,61	4,76	10,60	0,2	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
VCGR160404FP	9,52	16,61	4,76	10,15	0,4	–	–	–	●	–	●	–	–	–	●	●	–	–	–	–	–	–
VCGR160408FP	9,52	16,61	4,76	9,23	0,8	–	–	–	●	–	●	●	–	–	●	–	–	–	–	–	–	–
VCGR160412FP	9,52	16,61	4,76	8,31	1,2	–	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–
VCGR160416FP	9,52	16,61	4,76	7,38	1,6	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–

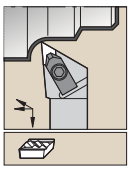


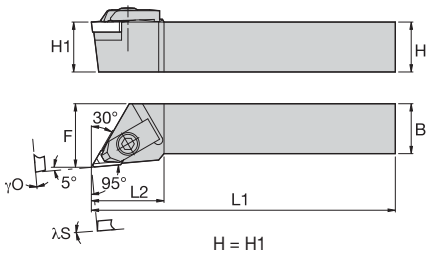


VCGR-HP • VPGR-HP

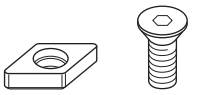
ISO catalogue number	D	L10	S	M	Rε	K68	K313	KU10	KCP10	KCP25B	KCP25	KCK05	KCM15B	KCM25B	KCM25	KCU10	KCU25	KC5010	KC5025	KC5410	KT315	KD1425
VCGR160404HP	9,52	16,61	4,76	–	0,4	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Application Specific

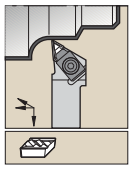


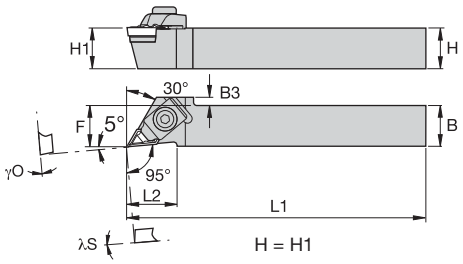


NKLC 95°



catalogue number	H	B	F	L1	λS°	γO°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
right hand													
NKLCR1616H11	16	16	20,0	100	0.0	0.0	KC..110305R	**SM885**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
NKLCR2020K11	20	20	25,0	125	0.0	0.0	KC..110305R	**SM885**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
NKLCR2525M11	25	25	32,0	150	0.0	0.0	KC..110305R	**SM885**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
left hand													
NKLCL2020K11	20	20	25,0	125	0.0	0.0	KC..110305L	**SM886**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
NKLCL2525M11	25	25	32,0	150	0.0	0.0	KC..110305L	**SM886**	**MS959**	3 mm	**CM68**	**MS524**	3 mm

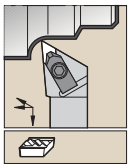


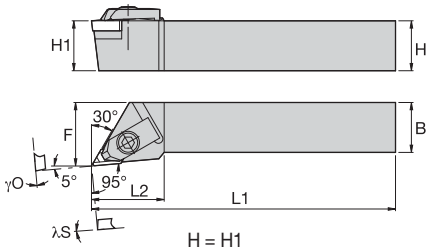


NKLC-F 95°

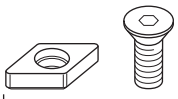
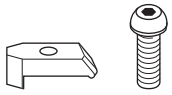


catalogue number	H	B	F	L1	λS°	γO°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
right hand													
NKLCRF1212M11Q	12	12	12,0	150	0.0	0.0	KC..110305R	**SM885**	**MS959**	3 mm	**CM180**	**MS524**	3 mm

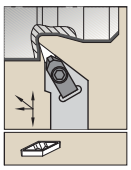


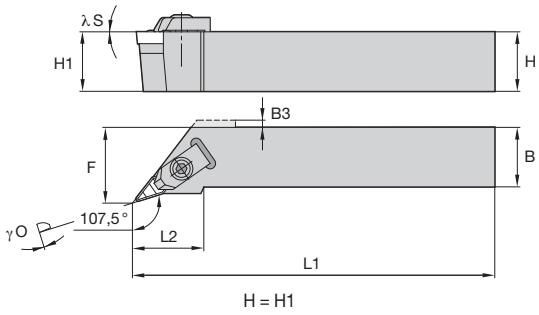


NKLN 95°

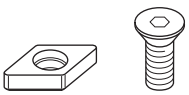
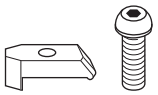



catalogue number	H	B	F	L1	λS°	γO°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
right hand													
NKLNR2020K15	20	20	25,0	125	-2.0	-5.0	KN..150410R	**SM872**	**MS111**	2 mm	**CM66**	**MS625**	4 mm
NKLNR2525M15	25	25	32,0	150	-2.0	-5.0	KN..150410R	**SM872**	**MS111**	2 mm	**CM66**	**MS625**	4 mm
left hand													
NKLNL2020K15	20	20	25,0	125	-2.0	-5.0	KN..150410L	**SM871**	**MS111**	2 mm	**CM66**	**MS625**	4 mm
NKLNL2525M15	25	25	32,0	150	-2.0	-5.0	KN..150410L	**SM871**	**MS111**	2 mm	**CM66**	**MS625**	4 mm

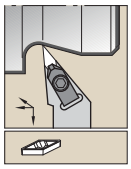


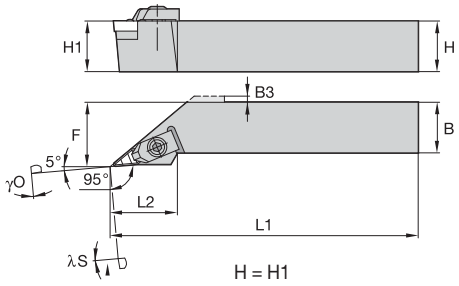


NVHB 107,5°

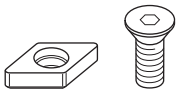
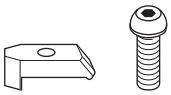



catalogue number	H	B	F	L1	LH	λS°	γO°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
right hand														
NVHBR2020K11	20	20	25,0	125	30,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM158**	**MS518**	2.5 mm
NVHBR2525M11	25	25	32,0	150	30,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM158**	**MS518**	2.5 mm
left hand														
NVHBL2020K11	20	20	25,0	125	30,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM159**	**MS518**	2.5 mm
NVHBL2525M11	25	25	32,0	150	30,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM159**	**MS518**	2.5 mm

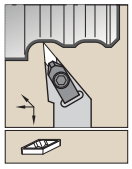


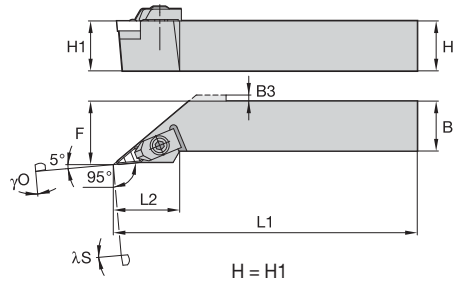


NVLB 95°

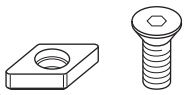
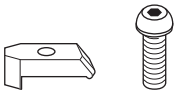



catalogue number	H	B	F	L1	LH	λS°	γO°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
right hand														
NVLBR2020K11	20	20	25,0	125	30,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM158**	**MS518**	2.5 mm
NVLBR2525M11	25	25	32,0	150	32,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM158**	**MS518**	2.5 mm
left hand														
NVLBL2020K11	20	20	25,0	125	30,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM159**	**MS518**	2.5 mm
NVLBL2525M11	25	25	32,0	150	32,0	0.0	0.0	VB..110304	**SM813**	**MS959**	2.5 mm	**CM159**	**MS518**	2.5 mm

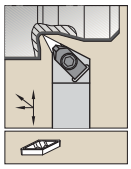


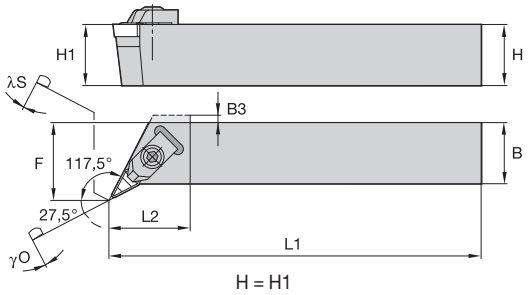


NVLC 95°

catalogue number	H	B	F	L1	LH	B3	λS°	γO°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
right hand															
NVLCR1616H16	16	16	20,0	100	37,0	5,0	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
NVLCR2020K16	20	20	25,0	125	37,0	—	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
NVLCR2525M16	25	25	32,0	150	37,0	—	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
NVLCR3225P16	32	25	32,0	170	37,0	—	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
left hand															
NVLCL2020K16	20	20	25,0	125	37,0	—	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM114**	**MS412**	4 mm
NVLCL2525M16	25	25	32,0	150	37,0	—	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM114**	**MS412**	4 mm
NVLCL3225P16	32	25	32,0	170	37,0	—	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM114**	**MS412**	4 mm

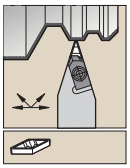


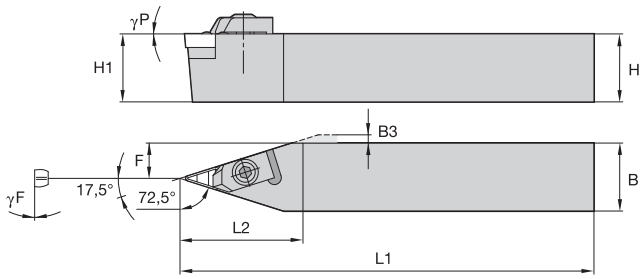


NVOC 117,5°

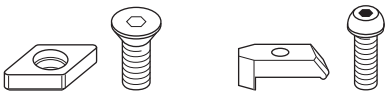


catalogue number	H	B	F	L1	LH	B3	λS°	γO°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
right hand															
NVOCR2020K16	20	20	32,0	125	29,0	3,0	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
NVOCR2525M16	25	25	32,0	150	29,0	3,0	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
left hand															
NVOCL2020K16	20	20	32,0	125	29,0	3,0	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM114**	**MS412**	4 mm
NVOCL2525M16	25	25	32,0	150	29,0	3,0	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM114**	**MS412**	4 mm

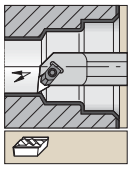




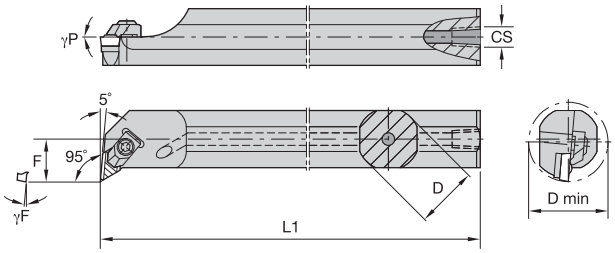
NVVC 72,5°



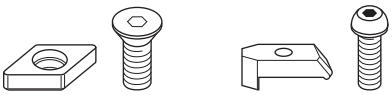
catalogue number	H	B	F	L1	LH	B3	γF°	γP°	gage insert	shim	shim screw	hex (mm)	clamp	clamp screw	hex (mm)
NVVCN2020K16	20	20	10,0	125	42,0	2,0	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
NVVCN2525M16	25	25	12,5	150	42,0	—	0.0	0.0	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm



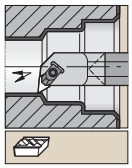
Steel shank with through coolant.



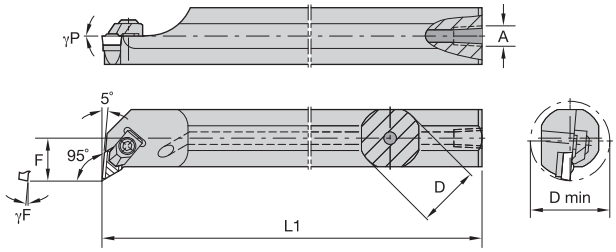
A-NKLC 95°



catalogue number	D	D min	F	L1	CS	γF°	γP°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
A12MNKLCR11	12	16,0	9,0	150	1/16-27 NPT	-5.0°	0.0°	KC..110305R	—	—	2.5 mm	**CM106**	**MS518**	2.5 mm
A16MNKLCR11	16	20,0	11,0	150	1/8-27 NPT	-7.0°	0.0°	KC..110305L	**SM886**	**MS959**	2.5 mm	**CM106**	**MS518**	2.5 mm
A20QNKLCR11	20	25,0	13,0	180	1/8-27 NPT	-5.0°	0.0°	KC..110305L	**SM886**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
A25RNKLCR11	25	32,0	16,0	200	1/4-18 NPT	-5.0°	0.0°	KC..110305L	**SM886**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
A32SNKLCR11	32	40,0	22,0	250	1/4-18 NPT	-5.0°	0.0°	KC..110305L	**SM886**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
left hand														
A12MNKLCL11	16	20,0	11,0	150	1/8-27 NPT	-7.0°	0.0°	KC..110305L	—	—	2.5 mm	**CM106**	**MS518**	2.5 mm
A16MNKLCL11	16	20,0	11,0	150	1/8-27 NPT	-7.0°	0.0°	KC..110305R	**SM885**	**MS959**	2.5 mm	**CM105**	**MS518**	2.5 mm
A20QNKLCL11	20	25,0	13,0	180	1/8-27 NPT	-5.0°	0.0°	KC..110305R	**SM885**	**MS959**	3 mm	**CM68**	**MS524**	3 mm
A25RNKLCL11	25	32,0	16,0	200	1/4-18 NPT	-5.0°	0.0°	KC..110305R	**SM885**	**MS959**	3 mm	**CM68**	**MS524**	3 mm



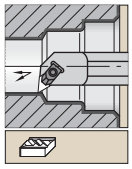
Carbide shank with through coolant.



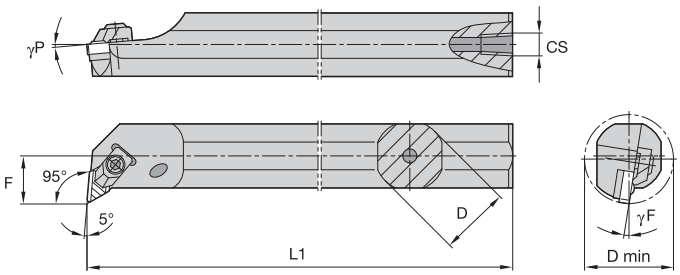
E-NKLC 95°



catalogue number	D	D min	F	L1	A	γF°	γP°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
E12QNKLCR11	12	16,0	9,0	180	4,8	-5.0°	0.0°	KC..110308L	–	–	2.5 mm	**CM106**	**MS518**	2.5 mm
E16RNKLCR11	16	20,0	11,0	200	5,5	-5.0°	0.0°	KC..110308L	**SM886**	**MS959**	2.5 mm	**CM106**	**MS518**	2.5 mm
left hand														
E12QNKLCL11	12	16,0	9,0	180	4,8	-5.0°	0.0°	KC..110308R	–	–	2.5 mm	**CM105**	**MS518**	2.5 mm



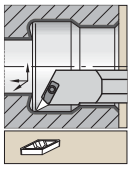
Steel shank with through coolant.



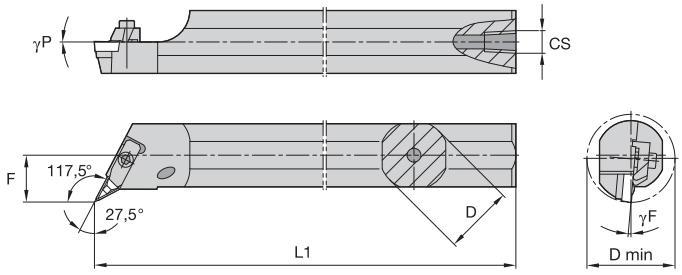
A-NKLN 95°



catalogue number	D	D min	F	L1	CS	γF°	γP°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
A40TNKLNR15	40	50,0	27,0	300	1/4-18 NPT	-5.0°	-5.0°	KN..150410L	**SM871**	**MS111**	4 mm	**CM66**	**MS624**	4 mm



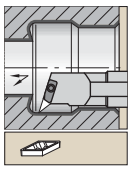
Steel shank with through coolant.



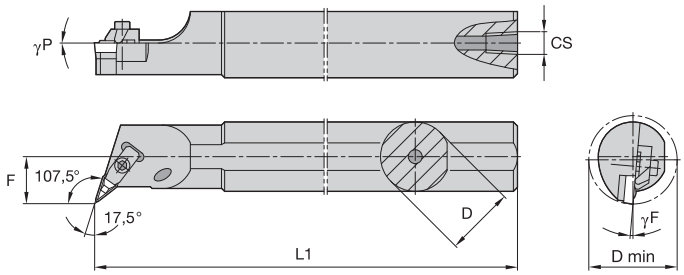
A-NVOC 117,5°



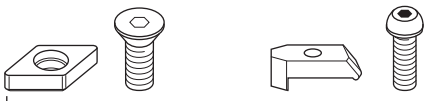
catalogue number	D	D min	F	L1	CS	γF°	γP°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
A32SNVOCR16	32	40,0	22,0	250	1/4-18 NPT	-2.0°	0.0°	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
A50UNVOCR16	50	63,0	35,0	350	1/4-18 NPT	-2.0°	0.0°	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm
left hand														
A32SNVOCL16	32	40,0	22,0	250	1/4-18 NPT	-2.0°	0.0°	VC..160408	**SM812**	**MS959**	4 mm	**CM114**	**MS412**	4 mm
A40TNVOCL16	40	50,0	27,0	300	1/4-18 NPT	-2.0°	0.0°	VC..160408	**SM812**	**MS959**	4 mm	**CM114**	**MS412**	4 mm



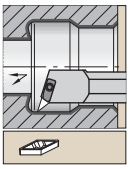
Steel shank with through coolant.



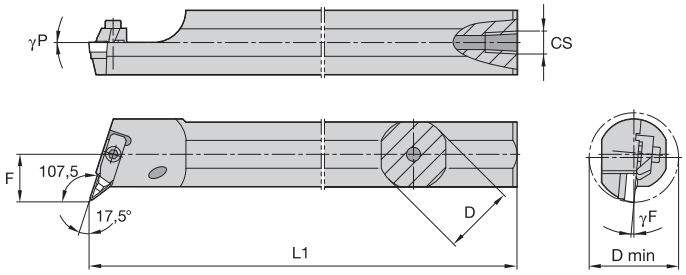
A-NVQB 107,5°



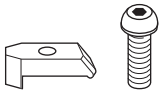
catalogue number	D	D min	F	L1	CS	γF°	γP°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
A25TNVQBR11	25	32,0	17,0	300	1/4-18 NPT	-5.0°	0.0°	VB..110304	**SM813**	**MS959**	2.5 mm	**CM159**	**MS518**	2.5 mm



Steel shank with through coolant.



A-NVQC 107,5°

catalogue number	D	D min	F	L1	CS	γF°	γP°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand														
A32SNVQCR16	32	40,0	22,0	250	1/4-18 NPT	-2.0°	0.0°	VC..160408	**SM812**	**MS959**	4 mm	**CM113**	**MS412**	4 mm

Railroad

The intimate understanding Kennametal provides of the economics of the railroad value chain enables us to offer unparalleled custom solutions tailored to your needs. We deliver superior value because we listen closely to you, our customer, and innovate based on your feedback. Our goal is to help you be more competitive — both locally and on a global scale.



Best Practices in Productivity

As your trusted partner for optimised production, Kennametal offers customers a unique commitment to research and development excellence, leading to continued delivery of highly innovative ways to enhance your productivity. Certification to ISO 9001. QS 9000 TES, and VDA 6.4 guarantees the highest possible quality standards.

Best Performance, Less Environmental Impact

With technology, we can do both. Kennametal helps customers focus on the root causes of unsustainable behaviour in highly complex manufacturing systems, while at the same time improving cost structure, quality, and performance. In addition to offering the latest in metalcutting tools and technology, our Advanced Engineering Team will analyse your existing production processes and help you identify new methods to improve your overall performance.

Wheel Lathe Tooling

Kennametal railroad tooling incorporates a unique locking unit design developed through years of testing on all types of wheel lathes and machining wheels with all types of tread surfaces.

This heavy-duty, rugged design has proven to be effective in reducing machining costs on tread turning applications, the most severe machining operation encountered in wheel and axle shops.

Strong inserts, with raised chipbreaker land and honed cutting edges, offer more effective chip control and a stronger cutting edge. Combining this tool geometry with the Kennametal grade selection delivers higher wheel turning productivity.



Wheelset

Advantages of Kennametal Wheel Lathe Tools:

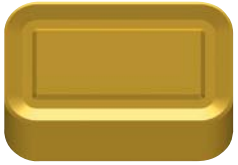
- No top clamp to wear out or interfere with chip flow.
- Insert locks against two walls in the toolholder to prevent insert movement under heavy cutting loads.
- Hardened steel locking unit provides positive insert seating and holder protection.
- Fast, trouble-free insert indexing — just unlock one screw to release the insert.
- Quick removal of the steel locking unit and insert for cleaning or replacement.
- Heavy-duty steel locking unit design ensures longer life and helps reduce operating costs.
- Fewer parts to inventory.
- Toolholders and steel locking units, made from heat-treated alloy steel, provide support to withstand severe roughing cuts on work-hardened wheels.

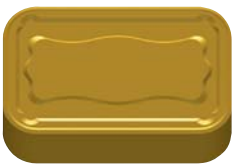

LNUX-RRF Full Radius


LNUX-RRP Full Radius


LNUX-RRH


LNUX-RRP

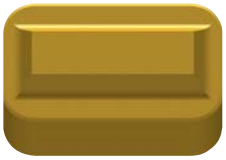

KRR6586-71


KRR6586-75


LNUX-RRSM


KRR6586-65


KRR6586-52

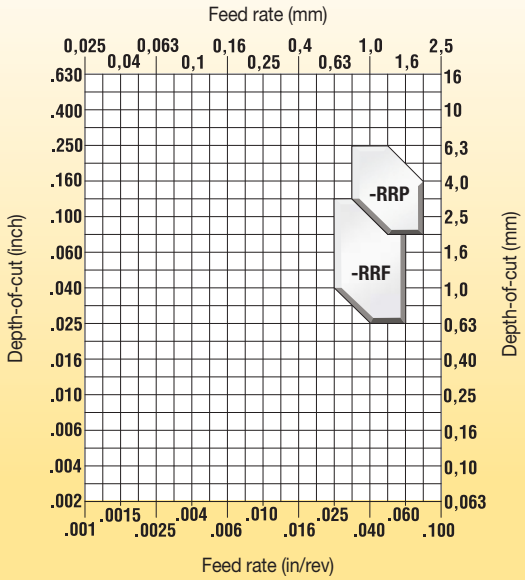

KRR6586-50

LNUX

Full-Radius Design

Our well-performed chipbreaking geometry RRF and RRP

- One insert can be applied in profiling and facing.
- Chip control even at smaller DOC will be improved!




-RRP

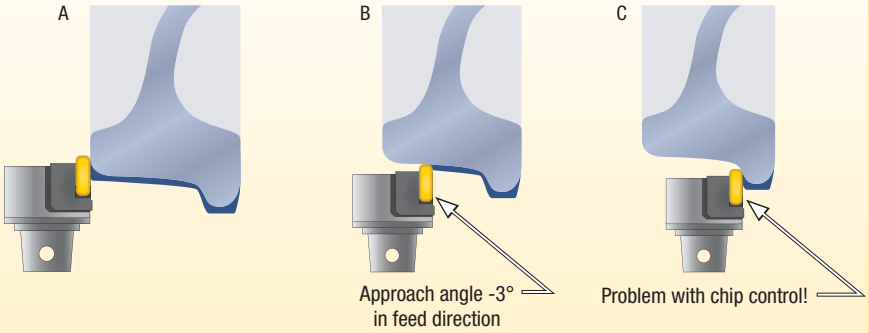

-RRF

Application Recommendation

A: At the beginning of the process, the DOC is higher because most of the bigger bur needs to be removed.

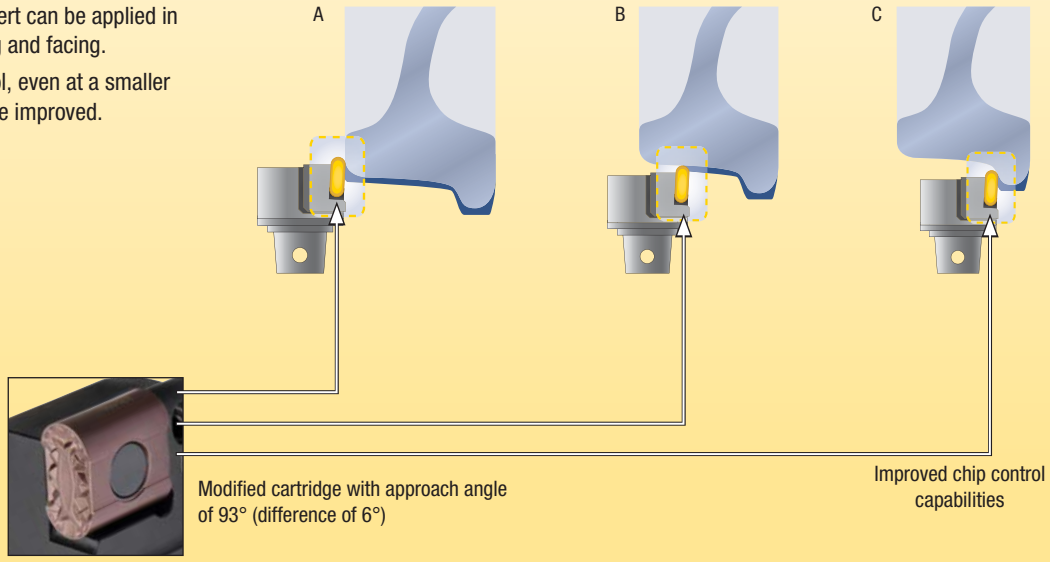
B: The DOC is smaller, but sometimes it has “hot spots” or brake spots.

C: Most critical area in regards to chip control because the thickness of the chip is quite thin and very diffficult to manage.

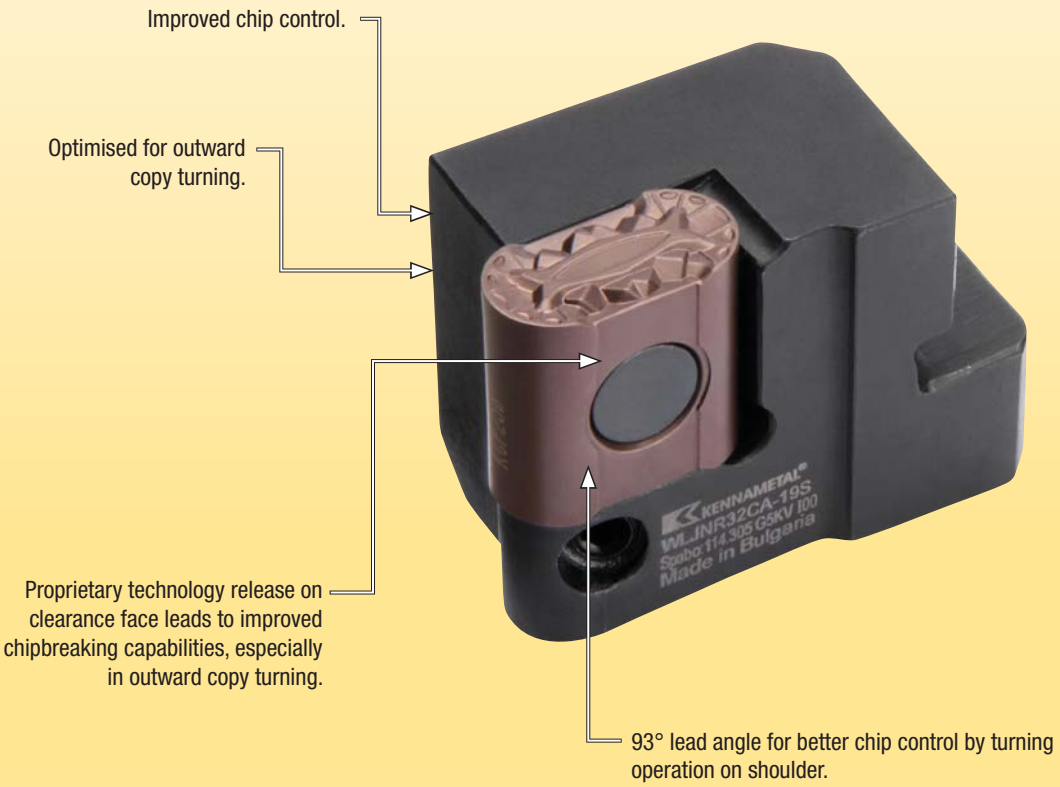


A, B, & C: One insert can be applied in profiling and facing.

A & C: Chip control, even at a smaller DOC, will be improved.



Features and Benefits

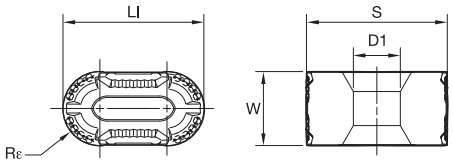


- The well performed RRF and RRP chipbreaker geometry with a full-radius design offers better chip control even at smaller DOC.

● first choice
○ alternate choice

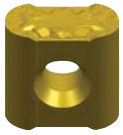
P		●	●
M			
K			
N			
S			
H			

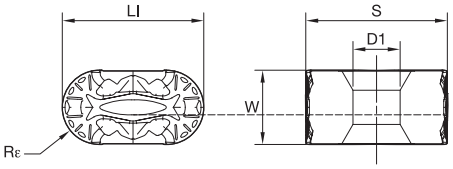




LNUX-RRF Full-Radius

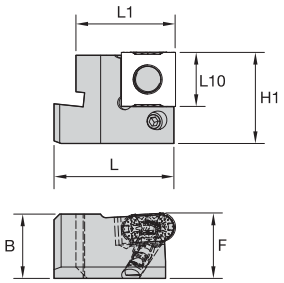
ISO catalogue number	W	LI	S	Rε	D1	KCP10B	KCP25B
LNUX191950RRF	10,00	19,05	19,05	5,00	6,35	●	●

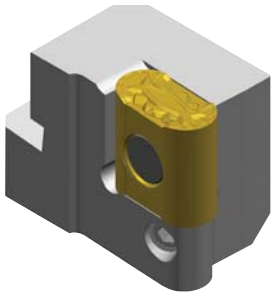




LNUX-RRP Full-Radius

ISO catalogue number	W	LI	S	Rε	D1	KCP10B	KCP25B
LNUX191950RRP	10,00	19,05	19,05	5,00	6,35	●	●
LNUX301960RRP	12,00	30,00	19,05	6,00	6,35	●	●



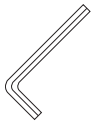


Cartridge WLJN

order number	catalogue number	H1	B	F	L10	L1	L	gage insert
6049016	WLJNL32CA19S	1.260	.890	.906	.750	1.38	1.681	LNUX191950RRP
6049018	WLJNL32CA30S	1.260	.890	.925	1.181	1.38	1.772	LNUX301960RRP
6049015	WLJNR32CA19S	1.260	.890	.906	.750	1.38	1.681	LNUX191950RRP
6049017	WLJNR32CA30S	1.260	.890	.925	1.181	1.38	1.772	LNUX301960RRP

Spare Parts

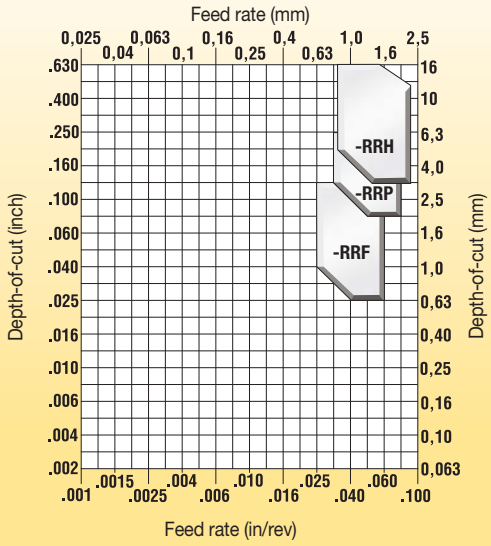




catalogue number	clamp stud	clamp screw	hex wrench
WLJNL32CA19S	114.305	121.616	170.003
WLJNL32CA30S	114.305	121.616	170.003
WLJNR32CA19S	114.305	121.616	170.003
WLJNR32CA30S	114.305	121.616	170.003

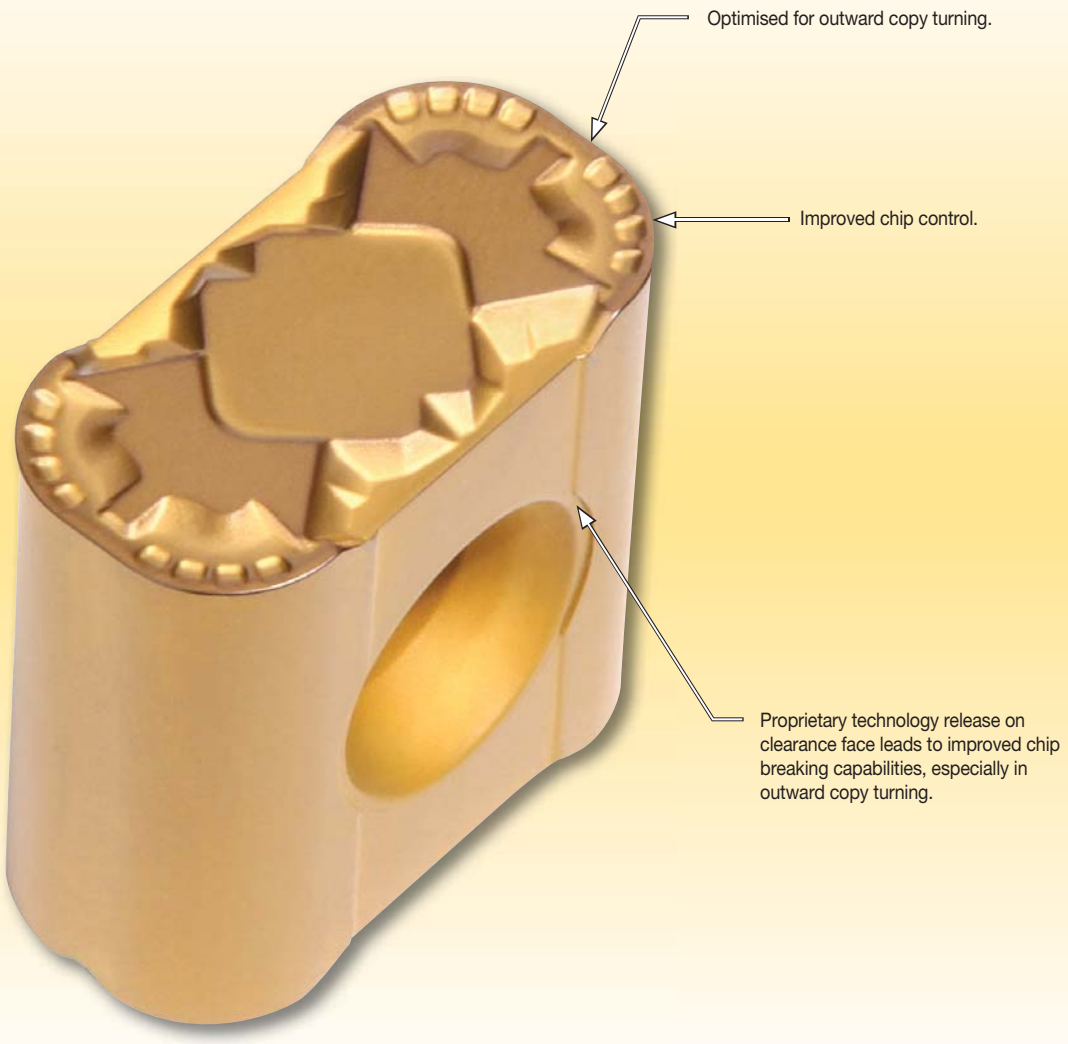
New Chipbreaking Geometry

For Rail Wheel Machining — RRF





Small DOC Re-Profiling

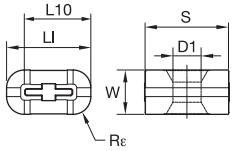


Kennametal stocks a complete line of standard inserts for wheel and axle machining. Inserts are available in various styles, sizes, and grades.

- **Wheel boring** — moulded chipbreaker inserts in round, square, octagon, and regrindable inserts.
- **Axle turning** — triangle- and diamond-shaped inserts with chipbreakers.
- **Wheel turning** — rectangular and square styles, with or without moulded chipbreakers.
- **Wheel truing** — round buttons with centre hole for locking.

● first choice
○ alternate choice





LNUX-RRF

ISO catalogue number	W	LI	L10	S	Rε	D1	KCP10B	KCP10	KCP25B	KCP25
LNUX191940RRF	10,00	19,00	19,00	19,05	4,00	6,35	–	●	–	●
LNUX301940RRF	12,00	30,00	30,00	19,05	4,00	6,35	–	●	–	–

NOTE: Also available in KC9105™.

LNUX-RRH

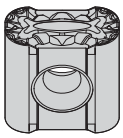
ISO catalogue number	W	LI	L10	S	Rε	D1	KCP10B	KCP10	KCP25B	KCP25
LNUX191940RRH	10,00	19,00	19,00	19,05	4,00	6,35	–	●	–	●
LNUX301940RRH	12,00	30,00	30,00	19,05	4,00	6,35	●	–	–	●

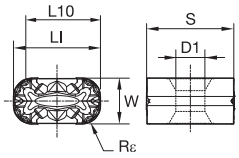
NOTE: Also available in KC9105.

Kennametal stocks a complete line of standard inserts for wheel and axle machining. Inserts are available in various styles, sizes, and grades.

- **Wheel boring** — moulded chipbreaker inserts in round, square, octagon, and regrindable inserts.
- **Axle turning** — triangle- and diamond-shaped inserts with chipbreakers.
- **Wheel turning** — rectangular and square styles, with or without moulded chipbreakers.
- **Wheel truing** — round buttons with centre hole for locking.

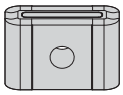
● first choice
○ alternate choice

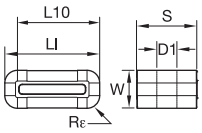




LNUX-RRP

ISO catalogue number	W	LI	L10	S	Rε	D1	P	M	K	N	S	H
							KCP10B	KCP10	KCP25B	KCP25		
LNUX191940RRP	10,00	19,00	19,00	19,05	4,00	6,35	–	●	–	●		
LNUX301940RRP	12,00	30,00	30,00	19,05	4,00	6,35	–	–	–	●		





LNUX-RRSM

ISO catalogue number	W	LI	L10	S	Rε	D1	P	M	K	N	S	H
							KCP10B	KCP10	KCP25B	KCP25		
LNUX191940RRSM	10,00	19,00	19,00	19,05	4,00	6,35	–	–	●	–		
LNUX301940RRSM	12,00	30,00	30,00	19,05	4,00	6,35	●	–	–	–		

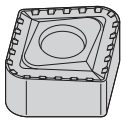
NOTE: Also available in KC9105™.

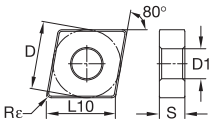
Kennametal stocks a complete line of standard inserts for wheel and axle machining. Inserts are available in various styles, sizes, and grades.

- **Wheel boring** — moulded chipbreaker inserts in round, square, octagon, and regrindable inserts.
- **Axle turning** — triangle- and diamond-shaped inserts with chipbreakers.
- **Wheel turning** — rectangular and square styles, with or without moulded chipbreakers.
- **Wheel truing** — round buttons with centre hole for locking.

● first choice
○ alternate choice

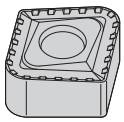
P		●	●	●	●
M					
K			●	●	●
N					
S					
H					

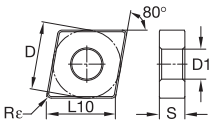




CNMM-RRP

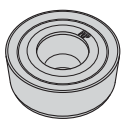
ISO catalogue number	L10	S	Rε	D1	KCP10B	KCP10	KCP25B	KCP25
CNMM190740RRP	19,34	7,94	4,00	7,93	●	–	–	–

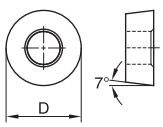




LNUX-WT5

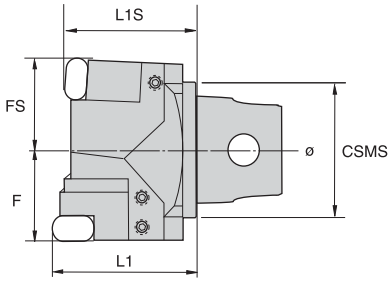
ISO catalogue number	L10	S	Rε	D1	KCP10B	KCP10	KCP25B	KCP25
LNUX191940S-WT5	19,05	19,05	4,00	6,35	–	–	●	–
SNMX190640S-WT5	19,05	6,35	4,00	6,35	–	–	●	–





RCMX

ISO catalogue number	L10	S	Rε	D1	KCP10B	KCP10	KCP25B	KCP25
RCMX2507M076	–	7,94	–	7,40	–	–	●	–



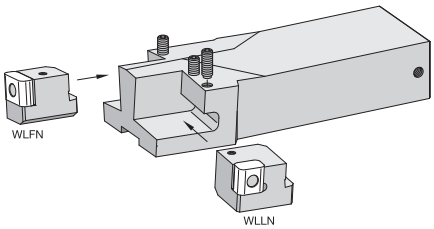


TK

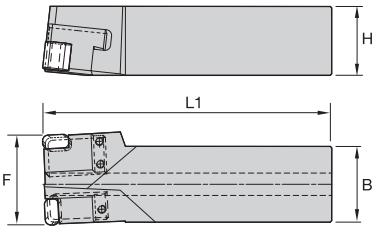
order number	catalogue number	CSMS system size	F	FS	L1	L1S
1781755	**TK01338D**	KM63	42,50	42,50	66,00	60,00
1781756	**TK01339D**	KM63	42,50	42,50	66,00	60,00

Assembly Instructions

basic/KM shank	cartridge WLLN..	cartridge WLFN..
right	right	left
left	left	right

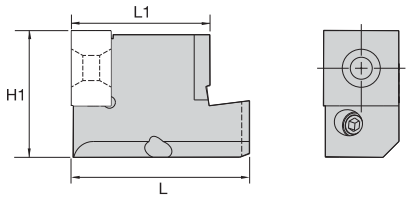


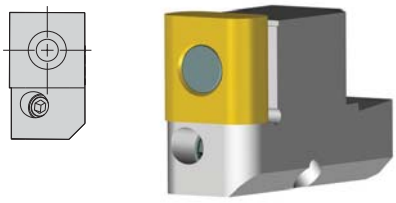
Assembly of complete tool

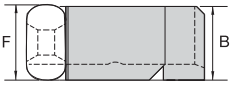


Basic Shank WXXN

order number	catalogue number	H mm	H in	B mm	B in	F assembly mm	F assembly in	L1 assy mm	L1 assy in	clamp screw
1251261	**WXXNL4455X-FL**	50,00	1.969	55,00	2.165	65,00	2.559	210,00	8.268	**PT00163**
1251262	**WXXNR4455X-FL**	50,00	1.969	55,00	2.165	65,00	2.559	210,00	8.268	**PT00163**







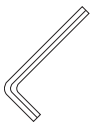
Cartridge WLFN

order number	catalogue number	H1	B	F	L1	L	insert 1
2435188	WLFNL32CA19S	32,00	18,60	19,00	35,00	42,70	LNUX191940...
2435187	WLFNR32CA19S	32,00	18,60	19,00	35,00	42,70	LNUX191940...

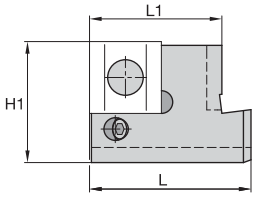
Spare Parts

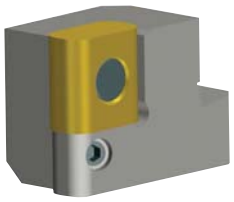


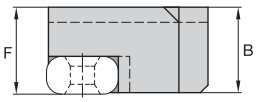




catalogue number	clamp stud	clamp screw	hex wrench
WLFNL32CA19S	114.305	121.616	170.003
WLFNR32CA19S	114.305	121.616	170.003







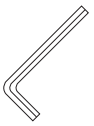
Cartridge WLLN

order number	catalogue number	H1	B	F	L1	L	insert 1
2435184	WLLNL32CA19S	32,00	22,60	23,00	35,00	42,70	LNUX191940...
2435186	WLLNL32CA30S	32,00	22,60	23,00	35,00	42,70	LNUX301940...
2435183	WLLNR32CA19S	32,00	22,60	23,00	35,00	42,70	LNUX191940...
2435185	WLLNR32CA30S	32,00	22,60	23,00	35,00	42,70	LNUX301940...

Spare Parts







catalogue number	clamp stud	clamp screw	hex wrench
WLLNL32CA19S	114.305	121.616	170.003
WLLNL32CA30S	114.305	121.616	170.003
WLLNR32CA19S	114.305	121.616	170.003
WLLNR32CA30S	114.305	121.616	170.003

Wheel and Wheelset Truing with Beyond™ RU and UP Geometries

Kennametal tooling incorporates the latest technology for maximum metal removal and higher productivity. Standard off-the-shelf inserts and fewer pieces of hardware reduce inventory and operating costs. These tools are for reconditioning mounted wheel sets, wheel boring, wheel truing, axle turning, and journal burnishing.



Features and Benefits

Advantages of Kennametal Wheel Lathe Tools

- Heavy-duty steel locking unit.
- No top clamp to wear out or interfere with chip flow.
- Hardened-steel locking unit prevents insert movement.
- Quick removal of the steel locking unit.
- Fast trouble-free insert indexing.
- Withstand severe roughing cuts on work-hardened wheels.

Achieve superior results while lowering production time and maintenance costs in these tough conditions:

- Skid flat areas.
- Accidental torch burns.
- Overheating of spinning wheels.
- Excessive mushroom and rollovers that are hardened by unusual hump retarder pressure.
- Mismatched wheels that cause excessive wear on the flange side.





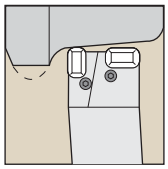
RU–Roughing Universal

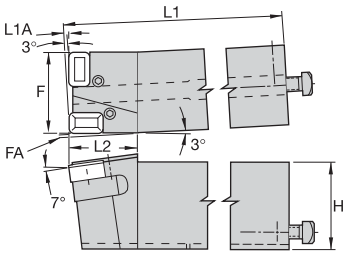




UP–Universal Positive

- Fully automatic, heavy-duty wheel lathe with integrated measuring device to determine wheel set profile wear.
- Portal-type machine bed enables roll-through operation.
- Suitable for machining wheel sets for locomotives, transit, passenger, and freight cars.



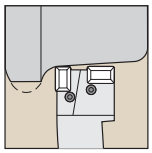


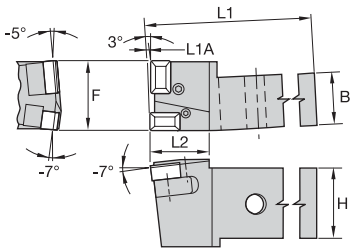
Tread Profile Truing

order number	catalogue number	H	F	L1	L2	FA	L1A	insert 1
1015754	**HUWTCL**	80,00	76,20	275,00	63,50	3,00	3,00	KRR6586__
1015723	**HUWTCR**	80,00	76,20	275,00	63,50	3,00	3,00	KRR6586__

NOTE: Requires two inserts.

- Maximum productivity at minimum operating costs.
- Fast insert indexing while tool is mounted in the tool block.
- Individual steel locking units make it easy to index and lock each insert.
- Gage location on tool, over insert, is held to +/- 0,08mm.
- No top clamp to wear out or interfere with chip flow.
- Replaceable steel locking unit protects toolholder from damage.
- Improved inserts with chip control.



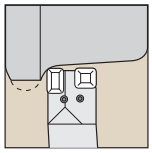


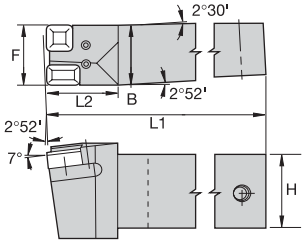
Wheel Tread Contouring

order number	catalogue number	H	B	F	L1	L2	L1A	insert 1
1015688	**FUWTCL**	76,20	57,15	76,20	254,00	66,55	3,05	KRR6586__
1015687	**FUWTCR**	76,20	57,15	76,20	254,00	66,55	3,05	KRR6586__

NOTE: Requires two inserts.

- Maximum productivity at minimum operating costs.
- Fast insert indexing tool mounted in tool block.
- Individual steel locking units make it easy to index and lock each insert.
- Minimum parts for lower inventory.
- No top clamp to wear out or interfere with chip flow.
- Replaceable steel locking unit protects toolholder from damage.
- Indexable inserts with pre-formed chipbreakers deliver chip control at optimum feeds and speeds.

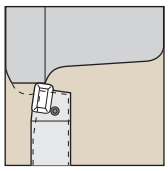


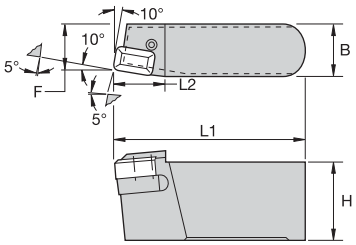


Wheel Tread Contouring

order number	catalogue number	H	B	F	L1	L2	insert 1
1015659	**SUWTCL**	76,20	57,15	57,15	254,00	66,55	KRR6586__
1015658	**SUWTCR**	76,20	57,15	57,15	254,00	66,55	KRR6586__

NOTE: Requires two inserts.

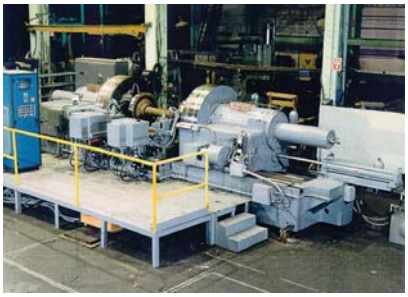




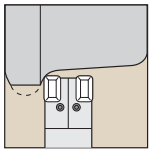
Wheel Flange Topping

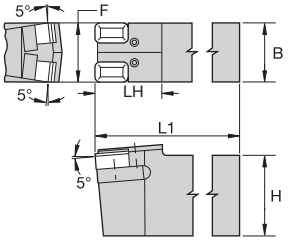
order number	catalogue number	H	B	F	L1	L2	insert 1
1015690	**NUFRL**	63,50	41,28	36,53	152,40	39,62	KRR6586__
1015689	**NUFRR**	63,50	41,28	36,53	152,40	39,62	KRR6586__

- Maximum productivity at minimum operating costs.
- Fast insert indexing tool mounted in tool block.
- Individual steel locking units make it easy to index and lock each insert.
- Gage location on tool, over insert, is held to +/- 0,08mm.
- No top clamp to wear out or interfere with chip flow.
- Replaceable steel locking unit protects toolholder from damage.
- Indexable inserts with pre-formed chipbreakers deliver chip control at optimum feeds and speeds.



Simmons-Niles Wheel Turning Lathe



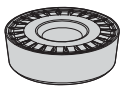


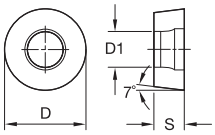
Wheel Tread Contouring

order number	catalogue number	H	B	F	L1	LH	insert 1	steel locking unit	lock screw
1015684	**NUWTC**	76,20	57,15	57,15	412,75	95,25	KRR6586__	**SU3**	**S1006PKG**

NOTE: Requires two inserts.

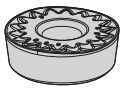
● first choice
○ alternate choice

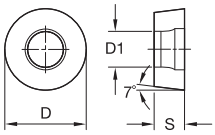




RCMH-UPG

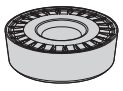
ISO catalogue number	D	D1	S	KCK15B	KCK20	KCP10	KCP10B	KCP25	KCP25B	KCPK05	KCU10
				P		○	●	●	●	●	○
				M							●
				K	●	●	○	○	○		○
				N							○
				S							●
				H							○
RCMH2507M0TUPG	25	7,55	7,94	–	–	–	●	–	●	–	–
RCMH3209M0TUPG	32	10,35	9,52	–	–	–	●	–	●	–	–

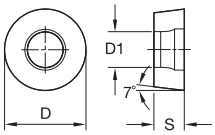




RCMH-RU

ISO catalogue number	D	D1	S	KCK15B	KCK20	KCP10	KCP10B	KCP25	KCP25B	KCPK05	KCU10
RCMH2507M0RU	25	7,55	7,94	–	–	–	–	●	–	–	–
RCMH3209M0RU	32	10,35	9,53	–	–	–	–	●	–	–	–





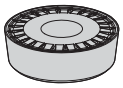
RCMT-UPG

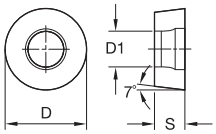
ISO catalogue number	D	D1	S	KCK15B	KCK20	KCP10	KCP10B	KCP25	KCP25B	KCPK05	KCU10
RCMT1606M0UPG	16	5,50	6,35	●	–	–	●	–	●	●	–
RCMT2006M0UPG	20	6,50	6,35	●	–	–	●	–	●	●	–

Application Specific

● first choice
○ alternate choice

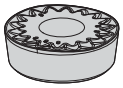
		KCK15B	KCK20	KCP10	KCP10B	KCP25	KCP25B	KCPK05	KCU10
P		○	●	●	●	●	●	○
M								●
K		●	●	○	○	○	○		○
N									○
S									●
H									○

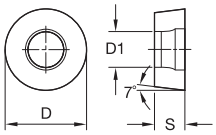




RCMX-UPG

ISO catalogue number	D	D1	S	KCK15B	KCK20	KCP10	KCP10B	KCP25	KCP25B	KCPK05	KCU10
RCMX2507M0TUPG	25	7,19	7,94	–	–	–	●	–	●	–	–
RCMX3209M0TUPG	32	9,78	9,52	–	–	–	●	–	●	–	–





RCMX-RU

ISO catalogue number	D	D1	S	KCK15B	KCK20	KCP10	KCP10B	KCP25	KCP25B	KCPK05	KCU10
RCMX2507M0RU	25	7,19	7,94	–	●	–	–	–	–	–	–
RCMX3209M0RU	32	9,78	9,53	–	●	●	–	–	–	–	–

K-Lock™ Inserts

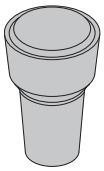


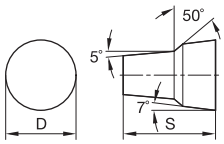
Features and Benefits

- K-Lock inserts are ideal for deep grooving and profiling.
- A unique insert clamping system enables unimpeded chip flow.
- Available in moulded and ground peripheries.

● first choice
○ alternate choice

		K68	KCU10	KCU25	KC5010	KC5025	KC5410
P			○	○	○	○	
M			●	●	●	●	
K		○					
N		●	○				●
S		●	●	●	●	●	
H							

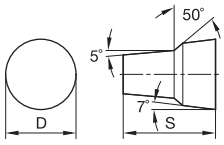




RCGK-FS

ISO catalogue number	D	S	K68	KCU10	KCU25	KC5010	KC5025	KC5410
RCGK040300FS	4,76	6,38	–	●	–	–	–	–
RCGK060400FS	6,35	9,09	–	●	–	●	–	–
RCGK090700FS	9,53	13,23	–	●	–	●	●	–
RCGK120800FS	12,70	16,61	–	●	–	–	–	–

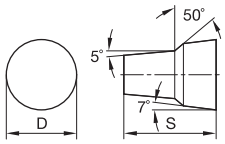




RCGK-HP

ISO catalogue number	D	S	K68	KCU10	KCU25	KC5010	KC5025	KC5410
RCGK040300HP	4,76	6,38	–	●	–	●	–	–
RCGK060400HP	6,35	9,09	–	●	–	●	–	●
RCGK090700HP	9,53	13,23	–	●	–	–	–	●
RCGK120800HP	12,70	16,61	–	●	–	–	–	●





RCMK

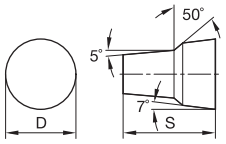
ISO catalogue number	D	S	K68	KCU10	KCU25	KC5010	KC5025	KC5410
RCMK040300	4,76	6,38	–	–	–	●	–	–
RCMK060400	6,35	9,09	–	●	–	●	–	–
RCMK090700	9,53	13,23	–	–	–	●	–	–
RCMK120800	12,70	16,61	–	–	–	●	–	–

- Medium geometry with positive rake face for chip control in difficult materials.

● first choice
○ alternate choice

P								
M			●	●	●	●		
K								
N							●	
S		●	●	●	●	●		●
H								

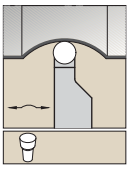


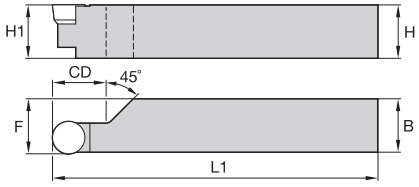


RCMK-MP

ISO catalogue number	D	L10	Rε	K68	KCU10	KCU25	KC5010	KC5025	KC5410	KCS10
RCMK060400MP	6,35	–	–	–	–	–	–	–	–	●
RCMK090700MP	9,53	–	–	–	–	–	–	–	–	●
RCMK120800MP	12,70	–	–	–	–	–	–	–	–	●

Application Specific

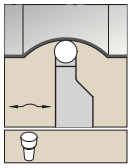


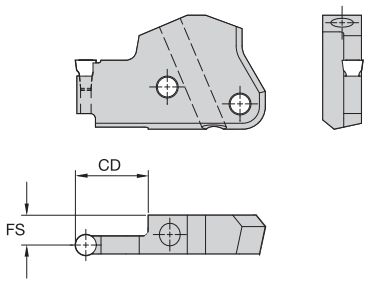


H = H1

TRAO

catalogue number	H1	B	F	L1	CD	gage insert
right hand						
TRAOR2525M04	25	25	25,4	150	20	RC..040300
TRAOR2525M06	25	25	25,5	150	20	RC..060400
TRAOR3225P06	32	25	25,5	170	20	RC..060400
left hand						
TRAOL2525M06	25	25	25,5	150	20	RC..060400





TRM

catalogue number	CD	FS	cartridge size	gage insert
right hand				
TRM50R0432M	32	9,62	50	RCMK152
TRM50R0620M	19	8,98	50	RCMK23
TRM50R0632M	32	8,98	50	RCMK-23
TRM50R0640M	38	8,98	50	RCGK23
TRM50R0720M	19	8,42	50	RCMK-2.55
TRM50R0920M	19	7,64	50	RC_K35
TRM50R0932M	32	7,65	50	RCMK-35
TRM50R0940M	38	7,64	50	RC_K35
TRM50R0950M	50	7,65	50	RCMK-35
left hand				
TRM50L0432M	32	9,62	50	RCMK152
TRM50L0620M	19	8,98	50	RCMK23
TRM50L0632M	32	8,98	50	RCMK-23
TRM50L0640M	38	8,98	50	RCGK23
TRM50L0920M	19	7,64	50	RC_K35
TRM50L0932M	32	7,65	50	RCMK-35
TRM50L0950M	50	7,65	50	RCMK-35

Order No.	Catalogue No.	Page(s)
1015658	SUWTCR	E58
1015659	SUWTCL	E58
1015684	NUWTC	E59
1015687	FUWTCR	E57
1015688	FUWTCL	E57
1015689	NUFRR	E58
1015690	NUFRL	E58
1015723	HUWTCR	E57
1015754	HUWTCL	E57
1016536	SM812 K9	E38–40, E42–43
1016544	SM837 K9	B172, B354, B378
1016546	SM840 K9	B170, B353–354
1016548	SM841 K9	B172–174, B354–355, B371
1016552	SM871 K9	E37, E41
1016574	SM872 K9	E37
1016576	SM885 K9	E36, E40
1016578	SM886 K9	E36, E40–41
1016582	SM449 K9	T102
1016602	SKTP343 K9	B247–248, B257
1016624	SKCP343 K9	B179–181
1016626	SKDP343 K9	B209–211
1016628	SKCP453 K9	B180, B182
1016644	IWSN433 K9	B161–164
1016648	ITSN323 K9	B132, B137
1016674	ISSN433 K9	B105, B107–108, B110
1016678	ICSN433 K9	B58–60, B66
1016680	IDSN433 K9	B85, B89–90
1016694	IDSN533 K9	B91
1017174	SMYE3 K9	D78–79, D81, D83–86
1017176	SMYI3 K9	D78–79, D81–86
1017178	SMYE4 K9	D78–79, D81, D83–84, D86
1017180	SMYI4 K9	D78–79, D81–86
1017220	ITSN322 K9	B133–134, B137, B139–141
1017222	ISSN332 K9	B109
1017226	IVSN322 K9	B149–153
1017228	SKVN343 K9	B266–268
1017230	IDSN432 K9	B86, B90–93
1017246	IRSN43 K9	B95
1017252	ICSN432 K9	B61–63, B67–68, B70–72
1017276	ITSN433 K9	B133–134, B139–141
1017278	ISSN432 K9	B109–110, B114–117, B119
1017282	IVSN432 K9	B151–152
1017296	ISSN533 K9	B108–109
1017298	ICSN533 K9	B61–63, B66–67, B72
1017300	ISSN633 K9	B108–110, B114–115, B119
1017334	ICSN633 K9	B61–63, B67–68, B72
1018407	CM105	E40–41
1018409	CM106	E40–41
1018413	CM109	C170, D37
1018525	CM66	E37, E41
1018527	CM68	E36, E40
1018531	CM-72	D31–33, D39
1018533	CM73	D31–33, D39
1018569	CM80	D32
1018571	CM81	D32
1018647	MW25	U27–35, V146–147
1018649	MW3	U40–49
1019821	MS1241	T109
1020545	MS1861	H76
1020575	CKM6	B62, B67, B151, B162, B164
1020577	CKM7	B86, B90, B162, B172, B354
1020581	CKM9	B133–134, B170, B173, B353–355
1020583	CKM10	B170, B173–174, B353–355, B371
1020595	CKM12	B61–63, B67–68, B91, B108–110, B114
1020597	CKM13	B172, B354
1020601	CKM19	B109, B172–174, B355, B371
1020603	CKM20	B68, B134, B164
1020605	CKM21	B61–63, B67–68, B95, B108–110, B114, B133–134, B137
1020607	CKM22	B86, B90–91, B153
1020645	CKM26	B151–152
1020653	CKM31	B151–153
1020657	CKM41	B72, B92
1020787	KUAM20	B199–205, B229, B260–262
1020789	KUAM22	B70–72, B92, B115–119, B139–141, B375, B378
1020791	KUAM23	B73, B183, B229, B235–237, B260–263, C171, D41–42
1020805	KUAM26	B72, C171, D41–42
1020807	KUAM27	B72, B115, B119, T81
1020809	KUAM28	B70, B73, B115–121, B142, B199, B202, B220–221, B240–242, B260–263, B376–378
1020811	KUAM30	B70, B115–119, B199, B202, B220–221, B240–242, B260–263, B376–378
1020813	KUAM31	B70–73, B92, B115–121, B139–142, B183, B229, B235–237, B260–263, B375, B378, C171, D41–42
1020835	KUAM32	B70–73, B92–93, B115–117, B119, B139–141, B183, B235, B378
1020839	KUAM34	B199–205, B229, B260–262
1020841	KUAM35	B199, B202, B204–205
1020843	KUAM25	B70–72, B92–93, B115–117, B119, B139–141, B183, B235, B378
1020917	SRS3	B179–181, B209–211, B227–228, B233–234, B247–248, B257, B266–268, B271, S41, T102
1020919	SRS4	B180, B182, B209–211, B213, B233–234
1020923	SSY3T	D78–79, D81–86
1020935	SSY4T	D78–79, D81–86
1020939	MS1374	T79–81
1020941	SSN2T	D81, D86
1020943	SSA3T	D78–79, D81–86
1020965	SSA4T	D78–79, D81–86
1020969	MS110	B174, B371
1020971	MS111	B170, B172–173, B353–355, E37, E41
1020973	MS412	B386, C171, D41–42, E38–40, E42–43
1020975	MS125	B172, B354, B378
1020977	MS1273	C46–47, T109
1021007	MS1321	B168, B370
1021011	MS524	E36, E40
1021013	MS625	E37
1021051	MS1025	C171, D41–42
1021087	MS337	B386
1021093	MS1433	T58–59
1021095	MS518	E37–38, E40–42
1021135	MS959	E36–43
1021137	MS960	B172–173, B354–355
1021139	MS961	B174, B371
1021143	MS364	B72, B115, B119
1021183	MS1375	K85
1021301	MS1571	C122
1021327	MS1242	S32, V49, V56, V60, V72, V78, V147
1021337	MS1152	B260–262, J23, J25, J27, J29, J31, J33, J35, J37
1021339	MS1153	B179–182, B192–205, B210–213, B217–221, B227–229, B247–248, B257–263, B266–269, B271, K74–76, K81, K85
1021341	MS1155	B179–183, B194–199, B202, B209–210, B212–213, B217–219, B229, B233–235, B240–242, B257–258, B260–263, B266–269, B271
1021343	MS1156	B179–181, B209–211, B213, B227–228, B233–234, B247–248, B257, B266–268, B271, C114
1021375	MS1158	B180, B182–183, B209–211, B213, B233–234
1021415	MS1282	U17–18
1021417	MS1284	U17
1021419	MS1285	C46–47
1021421	STCM9	B70–72, B92–93, B109, B115–117, B119, B139–141, B172–174, B355, B371
1021423	STCM11	B67, B90, B134, B164, U27–35, U40–49
1021451	STCM4	B61–63, B67–68, B91, B108–110, B114, B133–134, B151–152, B170, B172–173, B353–355
1021453	STCM5	B62, B67, B86, B90, B151, B162, B164, B172, B354
1021455	STCM8	B72, B115, B119, B170, B173–174, B353–355, B371, B378
1021463	STCM20	B61–63, B67–68, B72, B86, B90–91, B95, B108–110, B114, B133–134, B137, B151–153, B164
1021497	STCM26	B153
1021503	STCM32	U27–28, U30
1021505	STCM37	B139–141
1021507	STCM38	B70–72, B92, B115–119, B139–141, B375–378
1021511	STCM40	B72, B92, B115–117, B119
1021535	KLM43	B67, B70–72, B115–119, B164
1021537	KLM46	B61–63, B67–68, B70, B72, B92–93, B95, B108–110, B114, B133–134, B139–141, B151–152, B162, B164
1021539	KLM58	B61–63, B67, B72, B91, B108–109
1021541	KLM68	B61–63, B67–68, B72, B108–110, B114–115, B119
1021543	KLM33L	B90, B92, B139–141, B164
1021565	KLM34L	B62, B86, B90, B109, B133–134, B137, B139–141, B151–153, B162, B164
1021567	KLM46L	B86, B90–91
1021569	KLM46S	B70–72, B92–93, B115–117, B119
1021589	FT5	K74
1021591	FT7	K74–76, K81, K85, K120–121
1021593	FT8	K38, K81
1021605	FT15	K81, K120–121
1021607	FT20	K120–121
1021657	CM113	E38–40, E42–43
1021659	CM114	E38–39, E42
1021679	CM120	D32
1021681	CM121	D32
1021895	SU3	E59
1022071	CM158	E37–38
1022073	CM159	E37–38, E42
1022315	TT15	K38–39, T109
1022436	CKM37	B72, B115–117, B119
1022485	DT7	W40
1022487	DT8	U3, W29–31, W40, W42
1022489	DT9	V153–154
1022491	DT10	U3, W40–43
1022493	DT15	S60, S62, T79–81, U3, U17–18, V153–154
1022519	TT25	K38–39, V82, W40–43
1022521	TT30	K38–39, W41
1022691	KT6	V114–115
1022695	KT8	K72, V113–115
1022697	KT9	S72, S76, S79, S82
1022701	KT15	K72, K85, S144–147, V113–115, V130
1022703	KT20	V111–115, V128–130
1022727	KT27	K73–74, K84
1023055	S1006PKG	E59
1056234	SKSP453 K9	B233–234
1059784	MS1559	T50, T72, U32–35, U44–49
1059844	MS326	B386
1067613	CM74	C166, C168–171, D28–31, D33, D36–37, D39, D41–42
1067614	CM75	C166, C168–171, D28–31, D33, D36–37, D39, D41–42
1067630	CM146	C169, D36, D39–40
1067631	CM147	C169, D36, D39–40
1082671	SCFPR08CA06	B199
1086536	SCSPR08CA06	B204
1093271	75HC060M	G85
1093272	75HC080M	G85
1093273	75HC100M	G85
1093524	75HC120M	G85
1093525	75HC140M	G85
1093526	75HC160M	G85
1094300	MS1595	C36–37, C39–40, C43–44, C46–47, C112–115, C118–119
1095216	H16LSER3	D82
1095218	H20LSER3	D82
1095220	H24LSER3	D82
1095222	H32LSER3	D82
1095224	H24LSER4	D82
1095226	H32LSER4	D82
1097708	SCACR1010M06Q	B179
1097710	SCACR1212M06Q	B179
1097714	SCACR1616K09Q	B179
1097720	SDACR1616K11Q	B209
1097722	SVABR1010M11Q	B266
1097724	SVABR1212M11Q	B266
1097725	SVABL1212M11Q	B266
1097726	SVABR1616K16Q	B266
1097727	SVABL1616K16Q	B266
1097732	SWLCR2020K06	B271
1097750	CSBPR2020K12	B170, B353
1097754	CSDPN2020K12	B170, B353
1097755	CSDPN2525M12	B170, B353
1097762	CTGPR1212F11	B173, B355
1097763	CTGPR1616H11	B173, B355
1097764	CTGPR2020K16	B173, B355
1097765	CTGPR2525M16	B173, B355
1097775	CTCPN2510M11	B172, B354
1097776	CTCPN2514M16	B172, B354
1097778	CTCPN2520M22	B172, B354
1097781	CTCPN2518M22	B172, B354
1097788	SRGCR2525M12	B228
1097791	SRGCR1616H10	B228
1097792	SRGCR1616H06	B228
1097793	SRGCR2020K08	B228
1097794	SRGCR2020K10	B228
1097795	SRGCR2525M10	B228
1097796	SRGCR2525M08	B228
1097797	SVJBRF1010M11Q	B267
1097798	SVJBRF1212M11Q	B267
1097799	SVJBRF1616K16Q	B267
1097800	SVJBR1212N11	B267
1097801	SVJBR1616H11	B267
1097802	SVJBR2020K16	B267
1097803	SVJBR2525M16	B267
1097804	SVHBR1212N11	B266
1097805	SVHBR1616H11	B266
1097806	SVHBR2020K16	B266
1097807	SVHBR2525M16	B266
1097808	SSSCR1212N09	B234
1097809	SSSCR1616H09	B234
1097810	SSSCR2020K12	B234
1097811	SSSCR1616H12	B234
1097812	SCLCRF1010M06Q	B181
1097813	SCLCRF1212M06Q	B181
1097814	SCLCR0808L06	B180
1097816	SCLCR1010M06	B180
1097817	SCLCRF1616K09Q	B181
1097818	SCLCR1212N09	B180
1097819	SCLCR1616H09	B180
1097820	SCLCR2020K12	B180
1097821	SCLCR2020K09	B180
1097822	SCLCR2525M12	B180
1097824	SCGCR1010M06	B179
1097825	SCGCR1212N09	B179
1097828	SCRCR1212N09	B181
1097829	SCRCR1616H09	B181
1097840	SCKCR2020K09	B180
1097841	SDHCR1616H11	B209
1097843	SDHCR2525M15	B209
1097844	SDJCRF1010M07Q	B211

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1097845	SDJCRF1212M07Q	B211
1097846	SDJCRF1616K11Q	B211
1097847	SDJCR0808L07	B210
1097848	SDJCR1010M07	B210
1097849	SDJCR1212N07	B210
1097850	SDJCR1212N11	B210
1097851	SDJCR1616H11	B210
1097852	SDJCR2020K15	B210
1097853	SDJCR2020K11	B210
1097854	SDJCR2525M11	B210
1097855	SDJCR2525M15	B210
1097856	SDNCN0808L07	B211
1097857	SDNCN1010M07	B211
1097858	SDNCN1212N07	B211
1097859	SDNCN1616H11	B211
1097860	SDNCN2020K15	B211
1097861	SDNCN2020K11	B211
1097862	SDNCN2525M15	B211
1097863	SSBCR1212N09	B233
1097867	SSBCR2525M12	B233
1097869	STGCR1212N11	B247
1097870	STGCR2020K16	B247
1097871	STGCR2525M16	B247
1097874	STGCR1616H16	B247
1097877	STFCR2020K16	B247
1097878	STFCR2525M16	B247
1097880	STFCR1616H16	B247
1097882	SSKCR1616H09	B234
1097887	SRACR1212N08	B227
1097888	SRACR1616Q08	B227
1097891	SRDCN1212N08	B227
1097892	SRDCN1212N06	B227
1097893	SRDCN1616Q08	B227
1097894	SRDCN2020K12	B227
1097895	SRDCN2525M12	B227
1097896	SRDCN2525M16	B227
1097897	SRDCN1616H08	B227
1097898	SRDCN1616H10	B227
1097899	SRDCN1616H06	B227
1097900	SRDCN2020K08	B227
1097901	SRDCN2020K10	B227
1097902	SRDCN2525M10	B227
1097903	SRDCN2525M08	B227
1097916	CTGPL1212F11	B173, B355
1097918	CTGPL2020K16	B173, B355
1097919	CTGPL2525M16	B173, B355
1097930	SDHCL2020K11	B209
1097933	SRGCL2525M12	B228
1097936	SRGCL1616H10	B228
1097937	SRGCL1616H06	B228
1097938	SRGCL2020K08	B228
1097940	SRGCL2525M10	B228
1097941	SRGCL2525M08	B228
1097942	SVJBLF1010M11Q	B267
1097943	SVJBLF1212M11Q	B267
1097944	SVJBLF1616K16Q	B267
1097945	SVJBL1212N11	B267
1097946	SVJBL1616H11	B267
1097947	SVJBL2020K16	B267
1097948	SVJBL2525M16	B267
1097949	SVHBL1212N11	B266
1097950	SVHBL1616H11	B266
1097951	SVHBL2020K16	B266
1097952	SVHBL2525M16	B266
1097953	SSSCL1212N09	B234
1097954	SSSCL1616H09	B234
1097955	SSSCL2020K12	B234
1097956	SSSCL1616H12	B234
1097959	SCLCL0808L06	B180
1097961	SCLCL1010M06	B180
1097963	SCLCL1212N09	B180
1097964	SCLCL1616H09	B180
1097965	SCLCL2020K12	B180
1097966	SCLCL2020K09	B180
1097967	SCLCL2525M12	B180
1097970	SCGCL1212N09	B179
1097986	SDHCL1616H11	B209
1097988	SDHCL2525M15	B209
1097989	SDHCR2020K11	B209
1097990	SVBN1212N11	B268
1097991	SVBN1616H11	B268
1097992	SVBN2020K16	B268
1097993	SVBN2525M16	B268
1097996	SDJCLF1616K11Q	B211
1097997	SDJCL0808L07	B210
1097998	SDJCL1010M07	B210
1097999	SDJCL1212N07	B210
1098000	SDJCL1212N11	B210
1098001	SDJCL1616H11	B210
1098003	SDJCL2020K11	B210
1098004	SDJCL2525M15	B210
1098005	SSDCN1212N09	B233
1098006	SSDCN1616H09	B233
1098007	SSDCN2020K09	B233
1098009	SSBCL1616H09	B233
1098014	STGCL1212N11	B247
1098015	STGCL2020K16	B247
1098016	STGCL2525M16	B247
1098019	STGCL1616H16	B247
1098022	STFCL2020K16	B247
1098023	STFCL2525M16	B247
1098027	SSKCL2020K12	B234
1098051	A20QCTFPR11	B174, B371
1098053	A25RCTFPR16	B174, B371
1098054	A25RCTFPL16	B174, B371
1098055	A32SCTFPR16	B174, B371
1098056	A32SCTFPL16	B174, B371
1098057	A16MCTUPR11	B174, B371
1098058	A16MCTUPL11	B174, B371
1098062	A10KSWLCR04	B271
1098063	A12MSWLCR04	B271
1098064	A16RSWLCR06	B271
1098065	A20SSWLCR06	B271
1098069	A16RSWLCL06	B271
1098071	A0510GSCLDRS4	B187
1098073	A0610HSCLDRS4	B187
1098078	BS32S	B386
1098079	BS40T	B386
1098080	BS50U	B386
1098088	A25RMCLNR12	B67
1098089	A25RMCLNL12	B67
1098090	A32SMCLNR12	B67
1098091	A32SMCLNL12	B67
1098092	A40TMCLNR12	B67
1098093	A40TMCLNL12	B67
1098094	A50UMCLNR12	B67
1098095	A50UMCLNL12	B67
1098096	A40TMCLNR16	B67
1098097	A40TMCLNL16	B67
1098098	A50UMCLNR16	B67
1098099	A50UMCLNL16	B67
1098100	A50UMCLNR19	B67
1098101	A50UMCLNL19	B67
1098102	A25RMDUNR15	B90
1098103	A25RMDUNL15	B90
1098104	A32SMDUNR15	B90
1098105	A32SMDUNL15	B90
1098106	A40TMDUNR15	B90
1098107	A40TMDUNL15	B90
1098108	A50UMDUNR15	B90
1098109	A50UMDUNL15	B90
1098115	A32SMSKNL12	B114
1098116	A40TMSKNR12	B114
1098117	A40TMSKNL12	B114
1098120	A50UMSKNR19	B114
1098121	A25RMTFNR16	B137
1098122	A25RMTFNL16	B137
1098123	A32SMTFNR16	B137
1098124	A32SMTFNL16	B137
1098125	A40TMTFNR16	B137
1098128	A25RMVUNR16	B153
1098129	A25RMVUNL16	B153
1098130	A32SMVUNR16	B153
1098131	A32SMVUNL16	B153
1098146	A20SSDUCR11	B213
1098147	A20SSDQCR11	B212
1098148	A20SSDUCL11	B213
1098149	A20SSDQCL11	B212
1098150	BSD32U	B386
1098151	BSD40V	B386
1098152	BSD50W	B386
1098154	A08JSTFPR09	B257
1098155	A08JSTFPL09	B257
1098156	A08JSCLPR06	B196
1098157	A08JSCFPR06	B194
1098159	A08JSCLCR06	B182
1098160	A08JSCLPL06	B196
1098161	A08JSCFPL06	B194
1098163	A08JSCLCL06	B182
1098164	A10KSCLPR06	B196
1098165	A10KSCFPR06	B194
1098167	A10KSCXPR06	B198
1098168	A10KSCLCR06	B182
1098169	A10KSCLPL06	B196
1098170	A10KSCFPL06	B194
1098173	A10KSCLCL06	B182
1098174	A12MSCLPR06	B196
1098175	A12MSCFPR06	B194
1098177	A12MSCXPR06	B198
1098178	A12MSCLCR06	B182
1098179	A12MSCLPL06	B196
1098180	A12MSCFPL06	B194
1098183	A12MSCLCL06	B182
1098184	A12MSDUPR07	B217
1098185	A12MSDXPR07	B218
1098186	A12MSDQPR07	B217
1098187	A12MSDUCR07	B213
1098188	A12MSDQCR07	B212
1098189	A12MSDUPL07	B217
1098190	A12MSDXPL07	B218
1098191	A12MSDQPL07	B217
1098192	A12MSDUCL07	B213
1098193	A12MSDQCL07	B212
1098194	A16RSDUPR07	B217
1098195	A16RSDXPR07	B218
1098196	A16RSDQPR07	B217
1098197	A16RSDUCR07	B213
1098198	A16RSDQCR07	B212
1098199	A16RSDUPL07	B217
1098200	A16RSDXPL07	B218
1098201	A16RSDQPL07	B217
1098202	A16RSDUCL07	B213
1098203	A16RSDQCL07	B212
1098204	A10KSTFPR11	B257
1098205	A10KSTWPR11	B259
1098206	A10KSTWPL11	B259
1098207	A10KSTFCR11	B248
1098208	A10KSTFPL11	B257
1098209	A10KSTFCL11	B248
1098210	A12MSTFPR11	B257
1098211	A12MSTFCR11	B248
1098212	A12MSTFPL11	B257
1098213	A12MSTFCL11	B248
1098214	A16RSTFPR11	B257
1098215	A16RSTFPL11	B257
1098216	A12MSTWPR11	B259
1098218	A16RSTWPR11	B259
1098220	A16RSCLPR09	B196
1098221	A16RSCFPR09	B194
1098223	A16RSCXPR09	B198
1098225	A16RSCLCR09	B182
1098226	A16RSCLPL09	B196
1098227	A16RSCFPL09	B194
1098231	A16RSCLCL09	B182
1098232	A16RSVQBR11	B268
1098233	A16RSVQBL11	B268
1098234	A20SSCLPR09	B196
1098235	A20SSCFPR09	B194
1098236	A20SSCKPR09	B195
1098239	A20SSCLCR09	B182
1098240	A20SSCLPL09	B196
1098241	A20SSCFPL09	B194
1098244	A20SSCLCL09	B182
1098245	A20SSDUPR11	B217
1098246	A20SSDXPR11	B218
1098247	A20SSDQPR11	B217
1098248	A20SSVQBR11	B268
1098249	A20SSVUBR11	B269
1098250	A20SSDUPL11	B217
1098251	A20SSDXPL11	B218
1098252	A20SSDQPL11	B217
1098253	A20SSVQBL11	B268
1098254	A20SSVUBL11	B269
1098255	A20SSTFPR16	B257
1098256	A20SSTFPL16	B257
1098257	A25TSDUPR11	B217
1098258	A25TSDQPR11	B217
1098259	A25TSDUCR11	B213
1098260	A25TSDQCR11	B212
1098262	A25TSDQPL11	B217
1098263	A25TSDUCL11	B213
1098264	A25TSDQCL11	B212
1098266	A25TSCFCR12	B182
1098268	A25TSCLCR12	B182
1098270	A25TSCFCL12	B182
1098272	A25TSCLCL12	B182
1098273	A25TSTFPR16	B257
1098274	A25TSVQBR16	B268
1098275	A25TSVUBR16	B269
1098276	A25TSTFPL16	B257
1098277	A25TSVQBL16	B268
1098278	A25TSVUBL16	B269
1098280	A32TSCLCR12	B182
1098282	A32TSCLCL12	B182
1098283	A32TSDUCR15	B213
1098284	A32TSDUCL15	B213
1098285	A32TSTFPR16	B257
1098286	A32TSTFCR16	B248
1098328	SCSPR06CA05	B204
1098380	NER12CA2	C171, D41–42
1098436	MSRNR10CA09	B116
1098465	MSYNR25CA19	B119
1098529	MTUNL12CA16	B141
1098535	MTUNL16CA16	B141
1098536	MTUNR20CA22	B141
1098541	SCLPR06CA05	B202
1098542	SCLPR08CA06	B202
1098543	SCLPR10CA09	B202
1098544	SCLCR12CA12	B183
1098545	SCLCR16CA12	B183
1098548	SCSPL06CA05	B204
1098549	SCSPL08CA06	B204
1098551	SCFPR06CA05	B199
1098552	SCKPR08CA06	B201
1098554	SCGPR08CA06	B200
1098555	SCRPR08CA06	B203
1098556	SCTPR06CA05	B205
1098557	SCTPR08CA06	B205
1098558	STFPL12CA16	B260
1098559	STFPL10CA11	B260
1098561	STFPL08CA09	B260
1098562	STFPR12CA16	B260
1098563	STFPR10CA11	B260
1098565	STFPR08CA09	B260
1098566	STGPR12CA16	B261
1098567	STGPR10CA11	B261
1098570	SSKPR10CA09	B240
1098572	SSSPR10CA09	B242
1098574	SSRPR10CA09	B241
1098624	NEL12CA2	C171, D41–42
1098626	NEL25CA3	C171, D41–42
1098691	MSYNL20CA15	B119
1098711	SRGCR08CA06	B229
1098713	SRGCR12CA10	B229
1098719	SSKCR12CA12	B235
1098720	SSKCR16CA12	B235
1098721	SSKCL12CA12	B235
1098723	SSRCR12CA12	B236
1098725	SSRCL12CA12	B236
1098728	SDUPR10CA07	B221
1098730	SCLPL08CA06	B202
1098731	SCLPL10CA09	B202
1098732	SCLCL12CA12	B183
1098736	SCTPL08CA06	B205
1098737	SSSCR12CA12	B237
1098739	SSSCL12CA12	B237
1098741	STTPR12CA16	B262
1098742	STTPR10CA11	B262
1098744	STTPR08CA09	B262
1098749	STWPR12CA16	B263
1098750	STWPR10CA11	B263
1098757	SDJPR10CA07	B220
1098758	SDJPL10CA07	B220
1098760	STGPL10CA11	B261
1098762	STGPL08CA09	B261
1098763	SCKPL08CA06	B201
1098764	SSSPL10CA09	B242
1098766	SCFPL08CA06	B199

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1098767	A25RMCLNR09	B67
1098769	A25RMDUNR11	B90
1098770	A32SMDUNR11	B90
1098771	A25RMWLNR06	B164
1098772	A32SMWLNR06	B164
1098773	A25RMWLNR08	B164
1098774	A32SMWLNR08	B164
1098775	A40TMWLNR08	B164
1098779	A25RMDUNL11	B90
1098780	A32SMDUNL11	B90
1098782	A32SMWLNL06	B164
1098783	A25RMWLNL08	B164
1098784	A32SMWLNL08	B164
1098785	A40TMWLNL08	B164
1098786	NASR1616K3Q	C167, D27
1098788	NASR1010M2Q	C167, D27
1098789	NASR1212M2Q	C167, D27
1098790	NSR1010E2	C166, D29
1098791	NSR1212F2	C166, D29
1098792	NSR1616H2	C166, D29
1098793	NSR2020K2	C166, D29
1098794	NSR2525M2	C166, D29
1098795	NSR2020K3	C166, D29
1098796	NSR2525M3	C166, D29
1098797	NSR3225P3	C166, D29
1098798	NSR3232P3	C166, D29
1098799	NSR2525M4	C166, D29
1098800	NSR3225P4	C166, D29
1098801	NSR3232P4	C166, D29
1098803	NER1616H2	C168, D28
1098804	NER2020K2	C168, D28
1098805	NER2525M2	C168, D28
1098806	NER2525M3	C168, D28
1098807	NER3225P3	C168, D28
1098808	NER2525M4	C168, D28
1098809	NER3225P4	C168, D28
1098810	NER3232P4	C168, D28
1098812	NRR2020K3	C168
1098813	NRR2525M3	C168
1098814	NRR3225P3	C168
1098816	NKLCR1616H11	E36
1098817	NKLCR2020K11	E36
1098818	NKLCR2525M11	E36
1098819	NKLCRF1212M11Q	E36
1098821	NKLNR2020K15	E37
1098822	NKLNR2525M15	E37
1098835	NVLCR1616H16	E38
1098836	NVLCR2020K16	E38
1098837	NVLCR2525M16	E38
1098838	NVLCR3225P16	E38
1098840	NVVCN2020K16	E40
1098841	NVVCN2525M16	E40
1098842	NVOCR2020K16	E39
1098843	NVOCR2525M16	E39
1098857	NASL1616K3Q	C167, D27
1098859	NASL1010M2Q	C167, D27
1098860	NASL1212M2Q	C167, D27
1098861	NSL1010E2	C166, D29
1098862	NSL1212F2	C166, D29
1098863	NSL1616H2	C166, D29
1098864	NSL2020K2	C166, D29
1098865	NSL2525M2	C166, D29
1098866	NSL2020K3	C166, D29
1098867	NSL2525M3	C166, D29
1098868	NSL3225P3	C166, D29
1098869	NSL3232P3	C166, D29
1098870	NSL2525M4	C166, D29
1098871	NSL3225P4	C166, D29
1098872	NSL3232P4	C166, D29
1098874	NEL1616H2	C168, D28
1098875	NEL2020K2	C168, D28
1098876	NEL2525M2	C168, D28
1098877	NEL2525M3	C168, D28
1098878	NEL3225P3	C168, D28
1098879	NEL2525M4	C168, D28
1098880	NEL3225P4	C168, D28
1098881	NEL3232P4	C168, D28
1098883	NRL2020K3	C168
1098884	NRL2525M3	C168
1098885	NRL3225P3	C168
1098888	NKLCL2020K11	E36
1098889	NKLCL2525M11	E36
1098892	NKLNL2020K15	E37
1098893	NKLNL2525M15	E37
1098908	NVLBR2020K11	E38
1098909	NVLBR2525M11	E38
1098912	NVLCL2020K16	E38
1098913	NVLCL2525M16	E38
1098924	NVLCL3225P16	E38
1098926	NVLBL2020K11	E38
1098927	NVLBL2525M11	E38
1098929	NVOCL2020K16	E39
1098930	NVOCL2525M16	E39
1098932	NVHBL2020K11	E37
1098933	NVHBL2525M11	E37
1098935	NVHBR2020K11	E37
1098936	NVHBR2525M11	E37
1098943	A10KNNTOR1	C170, D37
1098944	A12MNNTOR1	C170, D37
1098945	A12MNNTOR2	C169, D36
1098946	A12MNNTOL2	C169, D36
1098947	A16MNNTOR2	C169, D36
1098948	A16MNNTOL2	C169, D36
1098949	A20QNNTOR2	C169, D36
1098950	A20QNNTOL2	C169, D36
1098951	A25RNNTOR2	C169, D36
1098952	A25RNNTOL2	C169, D36
1098953	A25RNNTOR3	C169, D36
1098954	A25RNNTOL3	C169, D36
1098955	A32SNNTOR3	C169, D36
1098956	A32SNNTOL3	C169, D36
1098957	A40TNNTOR3	C169, D36
1098958	A40TNNTOL3	C169, D36
1098959	A12MNKLCR11	E40
1098960	A12MNKLCL11	E40
1098961	A16MNKLCR11	E40
1098962	A16MNKLCL11	E40
1098966	A25TNVQBR11	E42
1098975	A32SNKLCR11	E40
1098977	A32SNVOCR16	E42
1098978	A32SNVQCR16	E43
1098979	A32SNVOCL16	E42
1098983	A40TNVOCL16	E42
1098987	A40TNKLNR15	E41
1098989	A20QNKLCR11	E40
1098990	A20QNKLCL11	E40
1098992	A25RNKLCR11	E40
1098993	A25RNKLCL11	E40
1098997	A50UNVOCR16	E42
1099001	A40TNNTOR4	C169, D36
1099002	A40TNNTOL4	C169, D36
1099003	A50UNNTOR4	C169, D36
1099094	H40MDUNR15	B91
1099102	H50MCLNR19	B68
1099132	MCLNR2020K09	B62
1099133	MCLNR2020K12	B62
1099148	MSBNL4040R19	B108
1099158	MSKNL3232P15	B109
1099162	KRCSCFPR061A	K82
1099163	KRCSCFPR062A	K82
1099164	KRCSCFPR063A	K82
1099165	KRCSCFPR061B	K82
1099166	KRCSCFPR062B	K82
1099167	KRCSCFPR063B	K82
1099168	KRCSCFPR061C	K82
1099169	KRCSCFPR062C	K82
1099170	KRCSCFPR063C	K82
1099171	KRCSCFPR061D	K82
1099172	KRCSCFPR062D	K82
1099173	KRCSCFPR063D	K82
1099174	KRCSCFPR061E	K85, K104–105
1099175	KRCSCFPR062E	K85, K104–105
1099176	KRCSCFPR063E	K85, K104–105
1099177	KRCSCFPR061F	K85, K106–110
1099178	KRCSCFPR062F	K85, K106–110
1099179	KRCSCFPR063F	K85, K106–110
1099253	MCKNL3225P16	B61
1099379	CM180	E36
1099381	CM182	C167, D27
1099382	CM183	C167, D27
1099427	SM813 K9	E37–38, E42
1099428	SM815 K9	B174, B371
1099429	SM819 K9	B172–173, B354–355
1099440	SKSP343 K9	B233–234
1099444	SKDP453 K9	B209–211, B213
1099445	SKSN566K K9	B115–117, B119
1099446	SKRN100300 K9	B227–228
1099447	SKRN160400 K9	B227
1099448	SKWP343 K9	B271
1099451	ICSN332 K9	B59, B62
1099452	IDSN322 K9	B85–86, B89–90
1099469	ITSN443 K9	B132
1099614	MS1933	B199, B202, B204–205, B257–259
1099615	MS1939	B182, B195–198, B271
1099631	SRS5	B227
1099634	MS319	B386
1099636	MS330	B386
1099638	MS624	E41
1099640	MS1034	C170, D37
1099643	MS1154	B227–228
1099644	MS1157	B182–183, B235–237
1099645	MS1160	B227, C36–37, C39–42, C46–48, C112–114, C120
1099646	MS1200	C166–170, D27–30, D36–37
1099649	KLM33	B62, B67, B70, B115–119
1099650	KLM54	B115–117, B119
1099651	FT10	K38
1099675	MS-1896	K81
1099676	KT30	V111–114, V129
1100493	MCLNR12CA12	B72
1100936	MDJNR1616H11	B86
1100937	MSBNR2020K12	B108
1100938	MCLNL1616H09	B62
1100939	MCLNR1616H09	B62
1100941	MSBNR2525M12	B108
1100943	MCLNR2525M09	B62
1101285	MDJNL2020K11	B86
1101286	MDJNR2020K11	B86
1101287	MDJNL2525M11	B86
1101288	MDJNR2525M11	B86
1101289	MSBNR3225P12	B108
1101292	MWLNL2020K06	B162
1101293	MWLNR2020K06	B162
1101354	MWLNL2525M06	B162
1101355	MWLNR2525M06	B162
1101356	MDJNR2020K15	B86
1101357	MDJNR2525M15	B86
1101358	MDJNR3225P15	B86
1101359	MSBNR2525M15	B108
1101361	MSBNR3232P15	B108
1101362	MVJNR2020K16	B151
1101363	MVJNR3225P16	B151
1101634	MVJNR2525M16	B151
1101635	MVJNR3225P22	B151
1101636	MDNNR2525M15	B86
1101637	MDNNR3225P15	B86
1101638	MCRNR2020K12	B63
1101639	MCRNR2525M12	B63
1101640	MCRNR3225P12	B63
1101641	MCLNR2525M16	B62
1101642	MCLNR3225P16	B62
1101643	MCRNR3232P19	B63
1101704	MCLNR2525M19	B62
1101705	MCLNR3225P19	B62
1101706	MCLNR3232P19	B62
1101707	MCLNR4040R19	B62
1101708	MCMNN2020K12	B63
1101709	MCMNN2525M12	B63
1101710	MCLNR1616H12	B62
1101711	MCLNR2525M12	B62
1101712	MCLNR3225P12	B62
1101713	MSDNN3225P12	B109
1101884	MSZNR2525M12	B110
1101886	MSKNR2525M12	B109
1101888	MSDNN3232P19	B109
1101889	MSDNN1616H09	B109
1101890	MSDNN2020K12	B109
1101891	MSDNN2525M12	B109
1101892	MSDNN2525M15	B109
1101893	MSBNR3232P19	B108
1101954	MSBNR4040R19	B108
1101957	MSKNR3232P19	B109
1101961	MTFNR2525M16	B134
1102086	MRGNR2525M12	B95
1102088	MTGNR1616H16	B134
1102090	MTGNR2525M16	B134
1102091	MTGNR2525M22	B134
1102093	MTGNR3232P22	B134
1102164	MSSNR2020K12	B110
1102165	MSSNR2525M12	B110
1102166	MSSNR3232P19	B110
1102168	MTENNS3225P22	B133
1102169	MTENNS2020K16	B133
1102170	MTENNS2525M16	B133
1102171	MTENNS2525M22	B133
1102172	MTANRS2020K16	B133
1102173	MTANRS2525M16	B133
1102236	MCKNR2525M12	B61
1102237	MCKNR3225P12	B61
1102238	MVONR2525M16	B151
1102239	MCMNN4040R19	B63
1102240	MCKNR3225P16	B61
1102241	MCRNL3232P16	B63
1102242	MSBNL2020K12	B108
1102243	MSBNL2525M12	B108
1102314	MSBNL3225P12	B108
1102316	MDJNL2525M15	B86
1102317	MDJNL3225P15	B86
1102318	MSBNL2525M15	B108
1102319	MSBNL3232P15	B108
1102320	MVJNL2020K16	B151
1102321	MVJNL2525M16	B151
1102322	MVJNL3225P16	B151
1102323	MVJNL3225P22	B151
1102434	MDNNL2525M15	B86
1102435	MDNNL3225P15	B86
1102437	MCRNL2525M12	B63
1102439	MCRNL3225P12	B63
1102440	MCLNL2525M16	B62
1102442	MCLNL3225P16	B62
1102443	MCRNL3232P19	B63
1102534	MCLNL2525M19	B62
1102535	MCLNL3225P19	B62
1102536	MCLNL3232P19	B62
1102537	MCLNL4040R19	B62
1102538	MCMNN3225P16	B63
1102539	MCLNL1616H12	B62
1102540	MCLNL2020K12	B62
1102541	MCLNL2525M12	B62
1102542	MCLNL3225P12	B62
1102634	MSZNL2525M12	B110
1102637	MSKNL2525M12	B109
1102638	MSKNL3225P12	B109
1102640	MSBNL3232P19	B108
1102641	MSKNL3232P19	B109
1102643	MTFNL2020K16	B134
1102694	MTFNL2525M16	B134
1102699	MRGNL2525M12	B95
1102714	MTGNL2525M16	B134
1102715	MTGNL2525M22	B134
1102716	MTGNL3232P22	B134
1102717	MSSNL2020K12	B110
1102718	MSSNL2525M12	B110
1102719	MSSNL3232P19	B110
1102720	MVVNN2020K16	B152
1102721	MVVNN2525M16	B152
1102722	MVVNN3225P16	B152
1102723	MVVNN2525M22	B152
1102726	MTANLS2525M16	B133
1102728	MCKNL3232P19	B61
1102729	MCKNL2525M12	B61
1102730	MVONL2525M16	B151
1102732	MCRNR3232P16	B63
1104311	E12QSTFPR11	B258
1105612	191.924	H98, J23, J25, J27, J29, J31, J33, J35, J37, J45–46, J74–75, J98, V153
1106668	MS1970	C36–40, C43–45, C112–115, C118–119
1107188	HSK100AKR50085M	K87
1108062	515.018	B64–66, B68–69, B87–88, B91, B111–114, B135, B138, B163, B165
1108063	513.023	B64–66, B68–69, B73, B87–88, B91, B111–114, B135, B138, B163, B165

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1108065	511.023	B64–66, B68, B73, B111–114, B135, B138, B163, B165
1108068	512.112	B64–66, B68–69, B73
1108097	PCLNR2525M12	B65
1112602	SNHX1102T KC725M	U14
1112603	SNHX1103T KC725M	U14
1112604	SNHX1203T KC725M	U14
1112605	SNHX1204T KC725M	U14
1112606	SNHX12045T KC725M	U14
1112607	SNHX1205T KC725M	U14
1113180	NBD2R K313	C163
1113182	NBD3R K313	C163
1113183	NBD3L K313	C163
1113194	NB2L K313	C162
1113195	NB3L K313	C162
1113196	NB4L K313	C162
1113197	NB2R K313	C162
1113198	NB3R K313	C162
1113199	NB4R K313	C162
1113216	NR3031R K313	C158
1113217	NR3047R K313	C158
1113218	NR3062R K313	C158
1113219	NR3078R K313	C158
1113221	NR4094R K313	C158
1113224	NR3031L K313	C158
1113225	NR3047L K313	C158
1113226	NR3062L K313	C158
1113231	NR3094L K313	C158
1113233	NG2031R K313	C154
1113234	NG2041R K313	C154
1113237	NG2062R K313	C154
1113238	NG2094R K313	C154
1113240	NG2031L K313	C155
1113244	NG2062L K313	C155
1113245	NG2094L K313	C155
1113248	NG3125R K313	C154
1113252	NG3189R K313	C154
1113253	NG3047R K313	C154
1113254	NG3062R K313	C154
1113257	NG3094R K313	C154
1113261	NG3125L K313	C155
1113265	NG3047L K313	C155
1113266	NG3062L K313	C155
1113268	NG3094L K313	C155
1113269	NG4125R K313	C154
1113270	NG4189R K313	C154
1113272	NG4125L K313	C155
1113276	NF3125R K313	C161
1113277	NF3125L K313	C161
1113477	NJF3009R18 K68	D17
1113486	NA3L4 K68	D12
1113499	NTF2L K68	D23
1113500	NTF3L K68	D23
1113501	NTF2R K68	D23
1113502	NTF3R K68	D23
1113504	NT2L K68	D19
1113505	NT3L K68	D19
1113506	NT4L K68	D19
1113507	NT2R K68	D19
1113508	NT3R K68	D19
1113509	NT4R K68	D19
1113510	NTP2L K68	D24
1113511	NTP3L K68	D24
1113513	NTP2R K68	D24
1113514	NTP3R K68	D24
1113559	NJ3010R16 K68	D17
1114462	NGD3189R K313	C157
1114463	NGD4250R K313	C157
1114464	NGD4250L K313	C157
1114465	NGD3189L K313	C157
1114470	NRP3047R K313	C153
1114483	NGD3125RK K313	C149
1114484	NGD3062RK K313	C149
1114486	NGD3094RK K313	C149
1114487	NGD3125LK K313	C149
1114490	NGD3094LK K313	C149
1114624	NTK2R K68	D23
1114625	NTK3R K68	D23
1114626	NTK2L K68	D23
1114627	NTK3L K68	D23
1114680	NJP3014R12 K68	D18
1116889	CKM34	B70–72, B92–93, B115–119, B139–141, B375–378
1120731	AFB31115SCFCR09	K130
1120807	552.240	B361
1121036	EB43040450	K139
1121055	551.316	B358–361, B363–367, B369, B372–374
1121063	551.332	B360
1121078	551.333	B362, B368
1121086	551.317	B358–361, B363–367, B372–373
1121094	557.111	B358–368, B372–373
1121102	557.125	B358, B361
1121195	112.244	E15
1121205	552.232	B363–367, B373
1121211	552.231	B363–366
1121217	552.234	B364–365
1121232	552.221	B356, B358–359, B372
1121239	552.220	B358, B372
1121265	552.225	B359–360
1121273	552.228	B360
1121288	552.236	B368
1121295	552.235-H	B368
1121302	552.230	B362
1121313	552.229	B362
1121346	554.252	B356, B358–367, B369, B372–374
1121353	554.253	B364–365
1121362	554.254	B359–360, B368
1121703	EB33040350	K139
1121711	BT50BT13088	K138
1121716	880.252.550	K133–134
1122168	PKG1565	K137–139
1122180	191.726	H98–99, J45
1122185	CV50BT13069	K138
1122328	192.759	J81
1122397	CPGT060204K K313	B188
1124019	26X2R043B25STN16D	W43
1124093	BT40BEWD20096M	J47
1124104	MS1163	C58–65, C129–135
1124107	536.091	J47
1124195	SPMT09T308LF K68	B238
1124300	TNMA220408 K68	B123
1124630	SDHCL2525M11	B209
1124975	PKG0002	K141
1125085	EB18030200	K139
1125092	RS1606	K125
1125110	AFB09075SCFCR06	K130
1125440	TNMA160408 K68	B123
1125454	LSASR3232P16	D78
1125685	KNUX150410L25 K68	E31
1126021	170.270	H58, H63, H65
1126032	170.271	H65
1126040	170.272	H58, H63, H65
1126049	170.273	H65
1126066	170.274	H58, H63, H65
1126072	170.275	H65
1126079	170.276	H58, H63, H65
1126088	170.277	H65
1126361	FT6	K75, T24
1126830	EB28035300	K139
1126838	AFB27115SCFCR09	K130
1127019	MS1162	C46–48, C58–65, C129–135, S116, S120, S122, V82
1127184	PKG7001	K124
1127271	AFB34115SCFCR09	K130
1127579	MS1280	U17–18
1127907	B510S08000 AS3	J76
1127915	B510S25000 AS3	J76
1127923	B510S30000 AS3	J76
1128324	AFB24115SCFCR09	K130
1128691	KNUX150410R25 K68	E31
1129375	5.34050-028450	J78
1129376	5.34050-032350	J78
1129377	5.34050-032500	J78
1129378	5.34050-040450	J78
1129379	5.34050-040600	J78
1129380	5.34050-048450	J78
1129381	5.34050-048600	J78
1129382	5.34050-058450	J78
1129383	5.34050-058600	J78
1130249	100G10NS90LN12N08	U17
1130277	100Y10RS90LN12N06	U18
1130283	100Y10RS90LN12N08	U18
1130286	364.010	H58–59, H61, H63, H98
1130295	364.011	H58–61, H63, H98
1130302	11X1R020B20STN11N	W40
1130303	364.012	H58, H60–63, H98–99
1130313	364.013	H58, H60, H62–63, H99
1130381	SDHCR2525M11	B209
1130477	125H12NS90LN12N06	U17
1130506	125Y12RS90LN12N10	U18
1130595	160H15NS90LN12N10	U17
1130608	160H15NS90LN12N12	U17
1130615	160H16NS90LN12N06	U17
1130686	17X1R022B16STN16N	W40
1130740	20X1R043B20STN16N	W40
1130837	22X1R025B25STN16L	W41
1130969	30X1R052B25STN27N	W40
1130977	30X1R092B25STN27L	W41
1131036	B510S08000 A30	J76
1131051	B510S15000 A30	J76
1131060	B510S20000 A30	J76
1131069	37X1R058B32STN27N	W40
1131070	B510S25000 A30	J76
1131086	37X1R098B32STN27L	W41
1131090	B510S30000 A30	J76
1131111	KM40FBH01660	K124
1131118	42X2R045B32STN27D	W43
1131119	B510S10000 AS3	J76
1131128	B510S15000 AS3	J76
1131134	B510S20000 AS3	J76
1131438	80F08NS90LN12N06	U17
1131447	80F08NS90LN12N08	U17
1131458	A1020LSEL11	D81
1131459	MS1488	D31, D33, D39–40
1131463	80Y08RS90LN12N06	U18
1131468	A1020LSER11	D81
1131472	80Y08RS90LN12N08	U18
1131476	A1320LSEL11	D81
1131479	191.282	K72
1131481	A1320LSER11	D81
1131499	A1620LSEL16	D81
1131509	A1620LSER16	D81
1131516	A2020LSEL16	D81
1131524	A2020LSER16	D81
1131532	A2525LSEL16	D81
1131540	A2525LSEL22	D81
1131545	512.135	B163, B165
1131547	A2525LSER16	D81
1131566	A2525LSER22	D81
1131574	A2532LSER16	D81
1131582	A2532LSER22	D81
1131602	191.375	J45
1131646	191.405	B70, B115–119, B199, B202, B220–221, B240–242, B260–263, B376–378
1131653	191.406	B70–73, B92, B115–121, B139–142, B183, B229, B235–237, B260–263, B375, B378
1131658	191.407	B70–73, B92–93, B115–117, B119, B139–141, B183, B235, B378
1131977	SN2TPKG	W40, W42
1132036	KM50FBH01670	K124
1132063	191.698	H98, J23, J25, J27, J29, J45–46, J74–75
1132119	191.725	I14, V153
1132130	191.727	J77–79
1132138	191.728	J77, J79–81
1132154	191.729	J80–81
1132436	191.848	J45–46, J74–75, V46–49
1132523	191.916	C41–42, H98–99, J23, J25, J27, J29, J31, J33, J35, J37, J75, J98
1132599	ISSN846 K9	B105–106
1132616	9X1R012B12STN10M	W40
1132781	15X1R022B16STN16T	W42
1132857	EB23035250	K139
1132931	192.057	I24
1132990	DCMT070204LF K313	B207
1133075	192.111	J74–75
1133083	192.112	J74–75
1133110	192.126	J81
1133202	PKG3242	K130, K132
1133229	192.156	J77–79
1133236	192.157	J77–80
1133280	EB13030150	K139
1133349	SN3TPKG	D82, D86, W40–43
1133581	DV50BT13069	K138
1133669	R31FBHS06	K136
1133702	570.850	J47
1133883	AFB13085SCFCR06	K130
1133894	AFB17100SCFCR06	K130
1133903	PKG2025	K130, K132
1133914	RS1608	K125
1133935	DV40BEWD20090M	J47
1134129	840.142.550	K118–119
1134246	192.416	J10–15, J67
1134271	192.419	J77–79
1134279	192.420	J77–79
1134285	SNMA120408 K68	B96
1134298	192.421	J77–80
1134307	192.422	J77–79
1134316	192.423	J77–80
1134324	192.424	J77, J79–81
1134333	192.425	J77, J79–81
1134342	192.426	J80–81
1134353	5.34032-028115	J78
1134361	5.34032-028200	J78
1134385	192.432	H98, I14, J10–12, J23, J25, J27, J29, J31, J33, J35, J37, J67, J74–75, J98
1134388	5.34032-032125	J78
1134393	192.433	J23, J25, J27, J29
1134415	5.34050-028300	J78
1134425	5.34050-032200	J78
1134434	5.34050-040148	J78
1134440	5.34050-040300	J78
1134457	5.34050-048168	J78
1134464	5.34050-048300	J78
1134472	5.34050-058186	J78
1134482	5.34050-058300	J78
1134503	5.34128R028150	J77
1134512	5.34132R032100	J77
1134523	5.34132R032200	J77
1134530	5.34140R040200	J77
1134547	5.34148R048200	J77
1134555	5.34158R058300	J77
1134564	5.34170R070186	J77
1134570	5.34170R070300	J77
1134581	5.34170R070500	J77
1134588	5.34180R080204	J77
1134597	5.34180R080300	J77
1134609	5.36050-154040	J80
1134614	5.34180R080500	J77
1134624	5.34240R032100	J77
1134631	5.34248R040100	J77
1134639	5.34258R048100	J77
1134650	5.34280R040080	J77
1134657	5.34280R058080	J77
1134666	5.34280R070150	J77
1134674	5.34350-090100	J81
1134716	192.529	U13
1134725	192.530	U13
1134735	192.531	U13
1134743	192.532	U13
1134879	193.113	I24
1134964	192.592	J67, J74
1134971	192.593	J74–75
1135110	193.114	I24
1135177	KCUX110305L15 K68	E32
1135184	KCUX110302R15 K68	E32
1135192	KCUX110302L15 K68	E32
1135217	KNUX150405R25 K68	E31
1135224	KCUX110305R15 K68	E32

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1135293	DV40BEWD32108M	J47
1135346	PKG156502	K139–140
1135358	PKG7994	K141
1135369	R40FBHS06	K136
1135375	EBUFF0975	K141
1135387	192.718	I14
1135392	512.134	B163
1135404	192.720	I14
1135473	192.730	J81
1135481	192.731	J81
1135617	840.142.720	K118–119
1135623	840.142.940	K118–119
1135642	RS1610	K125
1135662	RS1612	K125
1135739	KNUX150405L25 K68	E31
1135802	KM63BT13065	K137
1135826	19X1R023B20STN16T	W42
1135961	DV50BEWD32108M	J47
1135981	BT40RMEWD32114M	J47
1135984	170.008	J79–81
1136025	192.636	B162
1136105	192.888	I14
1136108	112.403	E14–15
1136114	192.889	I14
1136116	112.404	E14–16
1136144	112.505	E15
1136174	114.114	E16
1136242	192.902	J67, J74–75
1136247	118.204	E17–18
1136251	192.903	J74–75
1136295	118.314	E17–18
1136414	192.932	V60
1136436	193.115	I24
1136445	193.116	I24
1136592	DV50RMEWD32108M	J47
1136616	121.610	S76
1136625	121.612	E14–15, E17, S72, S76, S79, S82
1136633	121.616	E14–16, E18, E49, E55, S79, S82
1136675	121.808	K44–46
1136703	121.812	E16, K44–46
1136713	121.816	E16–18
1136743	121.825	E18
1136777	125.025	S5, S10, S14, S17, S21, S48, S53, S68, S72, S76, S143–144, S146, T7, T17, V40
1136819	199.123	H64
1136840	125.225	V40
1136858	5.36050-154050	J80
1136926	LSASL1212N16	D78
1136935	LSASL1616H16	D78
1136943	LSASL2020K16	D78
1136949	360.510	I23
1136951	LSASL2525M16	D78
1136955	360.511	I23
1136959	LSASL2525M22	D78
1136965	LSASR1212N16	D78
1136984	LSASR1616H16	D78
1136992	LSASR2020K16	D78
1137000	LSASR2525M16	D78
1137007	LSASR2525M22	D78
1137022	LSSL2525M16Q	D79
1137029	LSSL2525M22Q	D79
1137036	LSSRDH2525M22Q	D79
1137054	LSSR2020K16Q	D79
1137063	LSSR2525M16Q	D79
1137069	LSSR2525M22Q	D79
1137096	125.616	U8
1137111	125.625	K44–46
1137209	125.820	J74–75
1137229	125.830	J74–75
1137321	511.018	B111, B113, B135, B138, B163
1137331	511.024	B87–88, B91
1137339	511.025	B64–65, B68, B111–113
1137353	511.030	B142, B165
1137382	511.033	B64–66, B111–113
1137396	511.038	B111
1137405	128.508	H64
1137412	128.510	H64
1137420	128.610	J67
1137452	511.060	B87–88
1137453	129.025	S21, S41, S48, S76, T102
1137479	R51FBHS06	K136
1137487	R24FBHS06	K136
1137505	R67FBHS09	K136
1137509	512.013	B135, B138
1137520	129.612	J74–75
1137528	129.616	J74–75
1137533	512.023	B135, B138
1137541	512.025	B111–113
1137547	BT50BEWD32127M	J47
1137597	129.830	S143–144
1137600	512.053	B111, B113
1137610	512.060	B87–88
1137616	512.063	B111–114
1137650	512.083	B111–113
1137670	512.092	B111
1137710	512.117	B64–65, B68
1137713	360.550	I23–24
1137720	360.551	H64, I23–24
1137736	512.123	B64–66
1137746	512.125	B136
1137756	512.126	B136
1137781	512.131	B162
1137789	512.153	B87–88, B91
1137835	AFB21110SCFCR09	K130
1137910	STCM25	V146–147
1137929	STN10100ISOI KC620M	W45
1137965	STN1611BSW KC610M	W46
1137987	513.018	B135, B138, B163
1137996	513.019	B111, B113
1138019	STN1614BSW KC610M	W46
1138029	513.025	B64–65, B68, B111–113
1138033	STN16150ISOE KC610M	W45
1138041	STN16150ISOE KC620M	W45
1138057	513.033	B64–66, B111–113
1138064	513.038	B111
1138071	513.060	B87–88
1138096	513.125	B136
1138107	513.126	B136
1138133	513.132	B162
1138136	STN27200ISOE KC610M	W45
1138273	170.000	K72
1138297	170.002	K47
1138307	170.003	E14–18, E49, E55, I14, K47, S68, S72, S76, S79, S82, S143–147
1138315	170.004	E16–18, J79, K44–47
1138319	515.022	B64–66, B68, B111–113
1138323	170.005	I14, J80, K44–46, U8
1138328	515.028	B111
1138331	170.006	J79–80, K44–46
1138413	170.023	J10–15, J23, J25, J27, J29, J31, J33, J35, J37, U13
1138430	170.024	I23–24, J23, J25, J27, J29, J31, J33, J35, J37, J45–46, J98
1138438	170.025	I14, I23–24, J23, J25, J27, J29, J31, J33, J35, J37, J45–46, J98, S4–5, S8–10, S14, S17, S20–21, U13, V46–49, V53–56, V64
1138446	170.026	J45, V60
1138455	170.027	J10–15
1138465	170.028	I14, J10–12, J23, J25, J27, J29, J31, J33, J35, J37, J98
1138748	170.135	K47
1138755	170.136	K47
1138816	BT40BEWD32114M	J47
1139210	190.076	I24
1139321	190.116	J67
1139429	190.195	I24
1139563	360.513	I23
1139601	B510S10000 A30	J76
1139637	190.371	I24
1140602	EB38040400	K139
1146699	CKM35	B72, B115, B139–141, B378
1147269	MS1454	B187, K75
1147293	MS325	B386
1147356	PSDNN4040S25	B111
1147828	511.022	B68, B73, B114, B120–121
1150356	460.716	J81
1150508	100G10NS90LN12N06	U17
1150511	160Y16RS90LN12N06	U18
1150513	160Y16RS90LN12N08	U18
1150524	160Y15RS90LN12N10	U18
1150527	200J18NS90LN12N08	U17
1150624	5.34280R048080	J77
1151011	551.126	B136
1151411	MS1276	J80
1152199	SPGN120308 K68	B169
1152824	E12QNKLCR11 KWH	E41
1152825	E12QNKLCL11 KWH	E41
1152826	E16RNKLCR11 KWH	E41
1152834	E16RNNTOR2 KWH	C170, D37
1152835	E16RNNTOL2 KWH	C170, D37
1152836	E20SNNTOR2 KWH	C170, D37
1152844	E16RLSER16 KWH	D82
1152846	E20SLSER16 KWH	D82
1152848	E25TLSER16 KWH	D82
1152852	E08KSCFPR06A	B195
1152853	E08KSCFPL06A	B195
1152854	E10MSCFPR06A	B195
1152856	E08KSCLPR06A	B197
1152857	E08KSCLPL06A	B197
1152858	E10MSCLPR06A	B197
1152859	E10MSCLPL06A	B197
1152860	E08KSTFPR09A	B258
1152862	E10MSTFPR11A	B258
1152863	E10MSTFPL11A	B258
1152873	E12QSTFPL11	B258
1152874	E16RSTFPR11	B258
1152875	E16RSTFPL11	B258
1152888	E12QSCFPR06	B195
1152889	E12QSCLPR06 KWH	B197
1152891	E12QSCLPL06	B197
1152892	E12QSDUPR07	B218
1152893	E12QSDUPL07	B218
1152894	E16RSDUPR07	B218
1152895	E16RSDUPL07	B218
1152897	E16RSCLPR09	B197
1152899	E16RSCLPL09 KWH	B197
1152902	E20SSCLPR09	B197
1152905	E20SSCLPL09	B197
1152906	E20SSDUPR11	B218
1152907	E20SSDUPL11	B218
1152908	E20SSTFPR16	B258
1152909	E20SSTFPL16	B258
1153403	HSK63AKR32075M	K87
1153604	HSK63AKR50080M	K87
1153606	HSK100AKR32075M	K87
1153612	HSK100AKR80090M	K87
1155782	MS1238	T58, T109
1156428	SNMA190612 K68	B96
1156961	PSSNR2525M12	B113
1156962	PCLNL2020K12	B65
1156968	PDJNL2525M15	B87
1156969	PDJNR3225P15	B87
1156970	PSDNN2525M12	B111
1156972	PTGNR1616H16	B135
1159961	CNMG120408 K313	B47
1159964	CNMG120408P K313	B52
1159971	SNMG120408 K313	B96
1159980	VNMG160408P K313	B146
1160004	RNMA120400 K68	B94
1160005	RNMA150600 K68	B94
1160013	CNMA120408 K68	B47
1160018	CNMG120404B K68	B47
1160019	CNMG120408 K68	B47
1160020	CNMG120412 K68	B47
1160025	CNMG190612 K68	B47
1160027	DNMG150408B K68	B75
1160039	SNMG120412 K68	B96
1160060	TNMG220412 K68	B123
1160068	VNMG160408 K68	B144
1160069	VNMG160412 K68	B144
1160070	VNMG220408 K68	B144
1160071	VNMG220412 K68	B144
1160077	VNGA160404 K68	B143
1160078	VNGA160408 K68	B143
1161093	VNGG160408LF K313	B143
1161095	CNMP120404 K313	B56
1161096	CNMP120408 K313	B56
1161098	CNMP190612 K313	B56
1161105	VNGP160404K K313	B144
1161106	VNGP160408K K313	B144
1161107	SNMP190612 K313	B104
1161108	TNMP160404 K313	B130
1161109	TNMP160408 K313	B130
1161112	CNGP120404 K313	B46
1161113	CNGP120408 K313	B46
1161114	CNGP120412 K313	B46
1161116	CNGP160612K K313	B47
1161118	DNGP150404 K313	B74
1161119	DNGP150408 K313	B74
1161121	DNGP150604 K313	B74
1161124	VNMP160404 K313	B148
1161125	VNMP160408 K313	B148
1161127	VNGP220408 K313	B143
1161146	CNMP120404 K68	B56
1161147	CNMP120408 K68	B56
1161148	CNMP120412 K68	B56
1161155	CNMS120408 K68	B57
1161157	CNMS190608 K68	B57
1161158	CNMS190612 K68	B57
1161159	DNMP150404 K68	B83
1161160	DNMP150408 K68	B83
1161161	DNMP150412 K68	B83
1161168	DNMS150408 K68	B84
1161172	SNMP190612 K68	B104
1161173	SNMS120408 K68	B104
1161175	SNMS190612 K68	B104
1161182	TNMP220416 K68	B130
1161186	CNGP120404 K68	B46
1161187	CNGP120408 K68	B46
1161191	TNMS160404 K68	B131
1161192	TNMS160408 K68	B131
1161194	TNMS220408 K68	B131
1161199	VNMP160404 K68	B148
1161200	VNMP160408 K68	B148
1161201	VNMP160404K K68	B148
1161202	VNMP160408K K68	B148
1161203	VNMS160404 K68	B148
1161204	VNMS160408 K68	B148
1162181	CCGT060202HP K313	B175
1162182	CCGT060204HP K313	B175
1162183	CCGT09T302HP K313	B175
1162184	CCGT09T304HP K313	B175
1162185	CCGT120404HP K313	B175
1162186	CCGT120408HP K313	B175
1162187	CCMT060204LF K313	B177
1162189	CCMT09T302LF K313	B177
1162190	CCMT09T304LF K313	B177
1162191	CCMT09T308LF K313	B177
1162192	CDHBS4T002 K313	B184
1162194	CPGT09T302HP K313	B188
1162195	CPGT09T304HP K313	B188
1162199	CPMT060204LF K313	B190
1162200	CPMT060208LF K313	B190
1162204	DCGT070202HP K313	B206
1162205	DCGT070204HP K313	B206
1162206	DCGT11T302HP K313	B206
1162207	DCGT11T304HP K313	B206
1162208	DCGT11T308HP K313	B206
1162209	DCMT070202LF K313	B207
1162211	DCMT11T304LF K313	B207
1162212	DCMT11T308LF K313	B207
1162216	DPGT11T304HP K313	B214
1162223	TPMT110204LF K313	B255
1162225	VBGT110304LF K313	B264
1162226	VBGT160402LF K313	B264
1162228	VBGT160404HP K313	B264
1162229	VBGT160408HP K313	B264
1162230	VBMT110304LF K313	B265
1162233	VBMT160402LF K313	B265
1162234	VBMT160404LF K313	B265
1162235	VBMT160408LF K313	B265
1162241	RCGT0803M0HP K313	B222

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1162242	RCGT10T3M0HP K313	B222
1162243	RCGT1204M0HP K313	B222
1162245	RCMT09T300 K313	B224
1162246	RCMT0602M0 K313	B224
1162247	RCMT0803M0 K313	B224
1162249	RCMT1204M0 K313	B224
1162250	RCMT1605M0 K313	B224
1162251	RCMT2006M0 K313	B224
1162254	TCGT110204HP K313	B243
1162255	TCGT16T304HP K313	B243
1162256	TCGT16T308HP K313	B243
1162272	CPMT060204LF K68	B190
1162274	CPMT09T308LF K68	B190
1162288	VBGT110302LF K68	B264
1162289	VBGT160404HP K68	B264
1162296	RCGT0803M0HP K68	B222
1162297	RCMT0602M0 K68	B224
1162586	SPUN120308 K68	B169
1162732	TPUN110304 K68	B171
1162733	TPUN110308 K68	B171
1162734	TPUN160304 K68	B171
1162735	TPUN160308 K68	B171
1162737	TPUN220408 K68	B171
1162738	TPUN220412 K68	B171
1163009	CPGH09T304 K313	B188
1163010	CPGH09T308 K313	B188
1163033	TD6P K68	B253
1163051	CPGT060202K K68	B188
1163052	CPGT060204K K68	B188
1163054	CPGH09T302 K68	B188
1163055	CPGH09T304 K68	B188
1163056	CPGH09T308 K68	B188
1163276	KCGX110302R15 K313	E31
1163277	KCGX110302L15 K313	E31
1163280	KCGX110301R15 K313	E31
1163281	KCGX110304R15 K313	E31
1163283	KCGX110301L15 K313	E31
1163284	KCGX110304L15 K313	E31
1163285	KCGX110308L15 K313	E31
1163286	VCGR160404 K313	E34
1163287	VCGR160408 K313	E34
1163311	KCGX110301R15 K68	E31
1163312	KCGX110304R15 K68	E31
1163313	KCGX110308R15 K68	E31
1163314	KCGX110301L15 K68	E31
1163315	KCGX110304L15 K68	E31
1163316	KCGX110308L15 K68	E31
1163317	KNGX150401R15 K68	E30
1163323	KNGX150408L20 K68	E30
1163325	VCGR160402 K68	E34
1163326	VCGR160404 K68	E34
1163327	VCGR160408 K68	E34
1163328	VCGR160412 K68	E34
1163336	KCGR110304R08 K68	E29
1163338	KCGR110304L08 K68	E29
1163341	DCGR150408 K68	E28
1163532	RCMK060400 K313	E63
1163533	RCMK090700 K313	E63
1163535	RCMK040300 K313	E63
1164694	SPUN120304 K68	B169
1173988	HSK100AKR63100M	K87
1174502	LSSRDH2020K16Q	D79
1175211	3.77000R028V	J74
1175212	3.77000R031V	J74
1175225	193.281	J10–15, J23, J25, J31, J33, J35, J37
1176134	B105A08200 K10	G33
1176804	STN22300ISOIC KC610M	W45
1176808	STN27350ISOIC KC610M	W45
1176964	15X1R020B16STN16C	W42
1176967	25X1R040B25STN27C	W42
1176970	10X1R015B20STN11T	W42
1177888	460.889	U7–8
1178986	35X1R055B32STNB38N	W41
1180107	RNMG190600 K313	B94
1180737	TPGN220412T02020 KY3500	B299
1180917	SDET1204PDSRGB KC725M	T105, T112, U51
1181980	DNGA150608T02020 KY3500	B293
1181982	SNGA190612T02020 KY3500	B293
1181984	TNGA160408T02020 KY3500	B294
1181985	TNGA160412T02020 KY3500	B294
1181986	WNGA080408T02020 KY3500	B294
1181987	WNGA080412T02020 KY3500	B294
1181988	WNGA080416T02020 KY3500	B294
1181989	CNGA120408T02020 KY3500	B292
1181990	CNGA120412T02020 KY3500	B292
1181991	CNGA120416T02020 KY3500	B292
1181992	CNGA160612T02020 KY3500	B292
1181993	CNGA160616T02020 KY3500	B292
1181994	CNGA190612T02020 KY3500	B292
1181995	CNGA190616T02020 KY3500	B292
1181996	SNGA120408T02020 KY3500	B293
1181997	SNGA120412T02020 KY3500	B293
1181998	SNGA120416T02020 KY3500	B293
1181999	SNGA150612T02020 KY3500	B293
1182000	SNGA150616T02020 KY3500	B293
1182002	DNGA150408T02020 KY3500	B293
1182003	DNGA150412T02020 KY3500	B293
1182004	DNGA150416T02020 KY3500	B293
1182005	DNGA150612T02020 KY3500	B293
1182006	VNGA160408T02020 KY3500	B294
1182008	TNGA160416T02020 KY3500	B294
1182363	NT1L K68	D25
1182370	NTB3RB K68	D20
1182373	NTB3LB K68	D20
1182375	NTB2RA K68	D19
1182379	NTB3LA K68	D19
1182853	SPGN120308 K313	B169
1182856	SPGN190412 K313	B169
1182877	SNGN090308T02020 KY3500	B297
1182878	SNGN120408T02020 KY3500	B297
1182879	SNGN120412T02020 KY3500	B297
1182880	SNGN120416T02020 KY3500	B297
1182882	SNGN120432T02020 KY3500	B297
1182884	SNGN120716T02020 KY3500	B297
1182886	SNGN190416T02020 KY3500	B297
1182921	SPGN090304 K68	B169
1182922	SPGN090308 K68	B169
1182925	SPGN120304 K68	B169
1182926	SPGN120312 K68	B169
1182929	SPGN190408 K68	B169
1183203	TPGN110304 K313	B171
1183205	TPGN160304 K313	B171
1183206	TPGN160308 K313	B171
1183207	TPGN160312 K313	B171
1183209	TPGN160302 K313	B171
1183210	TPGN220404 K313	B171
1183211	TPGN220408 K313	B171
1183232	TNGN160408T02020 KY3500	B298
1183236	TNGN220416T02020 KY3500	B298
1183237	TPGN160308T02020 KY3500	B299
1183238	TPGN160312T02020 KY3500	B299
1183239	TPGN220408T02020 KY3500	B299
1183254	TPGN110304 K68	B171
1183255	TPGN110308 K68	B171
1183257	TPGN160304 K68	B171
1183258	TPGN160308 K68	B171
1183260	TPGN160316 K68	B171
1183262	TPGN160302 K68	B171
1183264	TPGN220404 K68	B171
1183265	TPGN220408 K68	B171
1183266	TPGN220412 K68	B171
1183267	TPGN220416 K68	B171
1183421	CPGN120304 K313	B166
1183422	CPGN120308 K313	B166
1183435	CNGN120408T02020 KY3500	B295
1183436	CNGN120412T02020 KY3500	B295
1183437	CNGN120416T02020 KY3500	B295
1183439	CNGN120712T02020 KY3500	B295
1183457	CPGN120304 K68	B166
1183458	CPGN120308 K68	B166
1183542	RPGN120300 K313	B166
1183544	RCGV120700 K313	B166
1183553	DNGX120708T02020 KY3500	B296
1183554	DNGX120712T02020 KY3500	B296
1183555	DNGX120716T02020 KY3500	B296
1183557	SNGX120712T02020 KY3500	B297
1183558	SNGX120716T02020 KY3500	B297
1183560	RNGN190700T02020 KY3500	B296
1183562	DNGX150708T02020 KY3500	B296
1183563	DNGX150712T02020 KY3500	B296
1183564	DNGX150716T02020 KY3500	B296
1183567	ENGX130716T02020 KY3500	B296
1183572	SNGX150724T02020 KY3500	B297
1183574	RNGN120400T02020 KY3500	B296
1183575	RNGN120700T02020 KY3500	B296
1184088	LNEU1245R08 KC725M	U19
1184089	LNEU1245R16 KC725M	U19
1184090	LNEU1245R32 KC725M	U19
1184091	LNEU1250R08 KC725M	U19
1184092	LNEU1255R08 KC725M	U19
1184093	LNEU1255R16 KC725M	U19
1184094	LNEU1255R32 KC725M	U19
1184097	LNEU1245R04 KC725M	U19
1184098	LNEU1250R04 KC725M	U19
1184099	LNEU1255R04 KC725M	U19
1184100	LNEU1260R04 KC725M	U19
1184103	LNEQ1245R04 KC725M	U20
1184105	LNEQ1255R04 KC725M	U20
1184106	LNEQ1260R04 KC725M	U20
1185937	DFT370R4WD40M	J46
1185959	DFT410R4WD40M	J46
1186677	SNGX150716T02020 KY3500	B297
1188639	PSKNR12CA-12	B120
1188641	PTFNR12CA-16	B142
1190977	1.78025R300	E18
1191046	3.37052R320	I14
1191047	3.37052R820	I14
1191048	3.37061R320	I14
1191049	3.37061R820	I14
1191050	3.37071R320	I14
1191051	3.37071R820	I14
1191052	3.37091R320	I14
1191053	3.37091R820	I14
1191054	3.37100R720	I23
1191055	3.37101R832	I14
1191056	3.37111R332	I14
1191057	3.37111R832	I14
1191058	3.37120R732	I23
1191059	3.37121R832	I14
1191060	3.37131R332	I14
1191061	3.37140R732	I23
1191062	3.37141R832	I14
1191063	3.37151R332	I14
1191072	3.42805R001 CS5	I27
1191073	3.42807R001 CS5	I27
1191074	CBTF200R2WD20N3M	J98
1191075	CBTF220R2WD20N3M	J98
1191076	CBTF260R2WD20N2M	J98
1191103	DFT260R4WD32M	J46
1191130	3.76055R032V	J72–73
1191131	3.76063R032V	J72–73
1191132	3.76073R040V	J72–73
1191133	3.76084R048V	J72–73
1191134	3.76102R058V	J72–73
1191135	3.77000R024V	J74
1191136	3.77000R025V	J74
1191137	3.77000R026V	J74
1191138	3.77000R027V	J74
1191139	3.77000R029V	J74
1191140	3.77000R038V	J74
1191141	3.77000R039V	J74
1191142	3.77000R081V	J74
1191143	3.77000R082V	J74
1191300	SPHX15T6ZCSRGP K110M	S80
1191306	4.96102-204	U13
1191346	SNHX1102PZTNGP K110M	U15
1191347	SNHX1203PZTNGP K110M	U15
1191366	551.125	B136
1191395	9X1R017B20STN10M	W40
1191396	A16RPWLNL06	B165
1191414	B105A03000 K10	G32
1191415	B105A03100 K10	G32
1191416	B105A03200 K10	G32
1191417	B105A03300 K10	G32
1191418	B105A03500 K10	G32
1191419	B105A04000 K10	G32
1191420	B105A04200 K10	G32
1191421	B105A04500 K10	G32
1191422	B105A05000 K10	G32
1191423	B105A05100 K10	G32
1191424	B105A05500 K10	G32
1191425	B105A05700 K10	G32
1191426	B105A05800 K10	G32
1191427	B105A06000 K10	G32
1191428	B105A06300 K10	G32
1191429	B105A06400 K10	G32
1191430	B105A06500 K10	G32
1191431	B105A06700 K10	G33
1191432	B105A06800 K10	G33
1191433	B105A07000 K10	G33
1191434	B105A07100 K10	G33
1191435	B105A07500 K10	G33
1191436	B105A07800 K10	G33
1191437	B105A08000 K10	G33
1191438	B105A08400 K10	G33
1191439	B105A08500 K10	G33
1191440	B105A08700 K10	G33
1191441	B105A08800 K10	G33
1191442	B105A09000 K10	G33
1191443	B105A09500 K10	G33
1191444	B105A09700 K10	G33
1191445	B105A09800 K10	G33
1191446	B105A10000 K10	G33
1191448	B105A10200 K10	G33
1191449	B105A10300 K10	G33
1191450	B105A10500 K10	G33
1191451	B105A10700 K10	G33
1191452	B105A11000 K10	G33
1191453	B105A11800 K10	G33
1191454	B105A12000 K10	G33
1191455	B105A12500 K10	G33
1191456	B105A12700 K10	G33
1191457	B105A12800 K10	G33
1191458	B105A13000 K10	G33
1191459	B105A13800 K10	G33
1191460	B105A14000 K10	G33
1191461	B105A14200 K10	G33
1191462	B105A14500 K10	G33
1191463	B105A15000 K10	G33
1191464	B105A15100 K10	G33
1191465	B105A15800 K10	G34
1191466	B105A16000 K10	G34
1191467	B105A16500 K10	G34
1191468	B105A18000 K10	G34
1191469	B105A20000 K10	G34
1191470	B105A20500 K10	G34
1191612	B411A05000 KF1	G100
1191613	B411A06000 KF1	G100
1191614	B411A08000 KF1	G100
1191616	B411A10000 KF1	G101
1191617	B411A12000 KF1	G101
1191618	B411A14000 KF1	G101
1191619	B411A16000 KF1	G101
1191620	B501Z06000 K10	G152
1191628	B505Z04000 K10	G152
1191629	B505Z06000 K10	G152
1191630	B505Z10000 K10	G152
1191631	B505Z12000 K10	G152
1191632	B505Z16000 K10	G152
1191633	B505Z20000 K10	G152
1191970	DV50BKR32040M	K86
1191971	DV50BKR50040M	K86
1192045	F2AA1800ADL45 K600	P119
1192275	KR32KR32038100M	K88
1192276	KR32KR32047100M	K88
1192280	KR50KR50065100M	K88
1192281	KR50SVS4B094M	K79
1192295	KRDCKR32M	K86–88
1192296	KRDCKR50M	K86–88
1192325	LSSL2020K16Q	D79
1192350	MTJNR2020K16H4	B136
1192352	MTJNR2525M16H4	B136
1192355	MWLNR2525M08H4	B162
1192372	PCBNL4040S19	B64
1192373	PCBNR4040S19	B64
1192375	PCLNL2525M12	B65
1192376	PCLNL2525M16	B65
1192377	PCLNL4040S19	B65
1192378	PCLNR2525M16	B65
1192379	PCLNR4040S19	B65
1192380	PDJNL2525M11	B87
1192381	PDJNL4025R15	B87
1192382	PDJNR2020K11	B87
1192383	PDJNR2020K15	B87
1192384	PDJNR2525M11	B87
1192385	PDJNR2525M15	B87

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1192394	PTGNR2525M16	B135
1192396	PWLNL1616H06	B163
1192397	PWLNR2020K06	B163
1192398	PWLNR2020K08	B163
1192399	PWLNR2525M08	B163
1192469	SCLPR1212M06	B193
1192473	SDJCL2525M11	B210
1192530	SPHX060204R-21 KM1	J100
1192534	SPHX070304R-21 KM1	J100
1192535	SPHX070304R-22 KM1	J101
1192538	SPHX090304R-21 KM1	J100
1192539	SPHX090304R-22 KM1	J101
1192560	SVJBL3225P16	B267
1192561	SVBN3225P16	B268
1194440	A25RPWLNR08	B165
1197315	KM80BT13070	K137
1197539	SPHX1205ZCERGP KCK15	S73
1197540	SPHX1205ZCELGP KCK15	S73
1197721	410.081	E14, S72, S76
1197803	3.37530R010	I24
1198114	SNHX12L5PZTNGP K110M	U15
1198117	SNHX12L5PZFNGE K110M	U14
1198178	SCMT09T30811 KT315	B230
1198179	DCMT070202011 KT315	B206
1198180	VBMT11030211 KT315	B264
1198181	SCMT09T30411 KT315	B230
1198182	SCMT12040411 KT315	B230
1198183	VBMT16040411 KT315	B264
1198184	VBMT16040811 KT315	B264
1198185	TCMT11020411 KT315	B243
1198186	TCMT16T30411 KT315	B243
1198187	CCMT06020411 KT315	B176
1198188	CCMT09T30411 KT315	B176
1198189	CCMT09T30811 KT315	B176
1198191	DCMT070204011 KT315	B206
1198192	DCMT11T30411 KT315	B206
1198564	B411A03200 KF1	G100
1198566	B411A03300 KF1	G100
1198568	B411A03800 KF1	G100
1198570	B411A04000 KF1	G100
1198572	B411A04200 KF1	G100
1198574	B411A04500 KF1	G100
1198576	B411A04600 KF1	G100
1198578	B411A04650 KF1	G100
1198580	B411A04800 KF1	G100
1198582	B411A04900 KF1	G100
1198586	B411A05100 KF1	G100
1198588	B411A05200 KF1	G100
1198590	B411A05500 KF1	G100
1198592	B411A05550 KF1	G100
1198594	B411A05800 KF1	G100
1198597	B411A06300 KF1	G100
1198599	B411A06400 KF1	G100
1198602	B411A06500 KF1	G100
1198606	B411A06600 KF1	G100
1198608	B411A06800 KF1	G100
1198610	B411A07000 KF1	G100
1198613	B411A07400 KF1	G100
1198617	B411A07500 KF1	G100
1198620	B411A07800 KF1	G100
1198625	B411A08400 KF1	G100
1198628	B411A08500 KF1	G100
1198630	B411A09000 KF1	G100
1198632	B411A09300 KF1	G100
1198635	B411A09500 KF1	G101
1198637	DNMG11040833 KT315	B75
1198640	B411A09800 KF1	G101
1198644	B411A10200 KF1	G101
1198645	DNMG11040433 KT315	B75
1198648	B411A10500 KF1	G101
1198650	B411A11000 KF1	G101
1198652	B411A11200 KF1	G101
1198656	B411A11500 KF1	G101
1198658	B411A11800 KF1	G101
1198663	B411A12500 KF1	G101
1198665	B411A13000 KF1	G101
1198667	B411A13500 KF1	G101
1198670	B411A13800 KF1	G101
1198679	B411A14500 KF1	G101
1198682	B411A15000 KF1	G101
1198684	B411A15500 KF1	G101
1198686	CNMG12040833 KT315	B48
1198689	DNMG15060433 KT315	B75
1198691	B411A16500 KF1	G101
1198693	DNMG15060833 KT315	B75
1198694	B411A17000 KF1	G101
1198697	B411A17500 KF1	G101
1198701	B411A18000 KF1	G101
1198703	B411A19000 KF1	G101
1198704	B411A19500 KF1	G101
1198707	B411A20000 KF1	G101
1198711	B411A21000 KF1	G101
1198714	B411A22000 KF1	G101
1198716	B411A23000 KF1	G101
1198718	B411A24000 KF1	G101
1198721	B411A25000 KF1	G101
1198724	B501Z04000 K10	G152
1198733	B501Z10000 K10	G152
1198743	B505Z08000 K10	G152
1198753	B501Z12000 K10	G152
1199223	B105A12100 K10	G33
1199225	B105A08300 K10	G33
1199228	B105A04700 K10	G32
1199229	B105A06100 K10	G32
1199238	B105A08100 K10	G33
1199243	B105A10100 K10	G33
1199251	B105A10800 K10	G33
1199306	B105A07600 K10	G33
1199308	B105A11100 K10	G33
1199311	B105A09100 K10	G33
1199316	B105A11700 K10	G33
1199334	B105A03700 K10	G32
1199337	B105A03800 K10	G32
1199348	B105A04650 K10	G32
1199351	B105A04800 K10	G32
1199360	B105A05200 K10	G32
1199365	B105A05550 K10	G32
1199380	B105A06600 K10	G33
1199387	B105A07400 K10	G33
1199406	B105A09300 K10	G33
1199421	B105A11200 K10	G33
1199424	B105A11500 K10	G33
1199434	B105A13100 K10	G33
1199438	B105A13500 K10	G33
1199455	B105A15500 K10	G34
1199469	B105A17000 K10	G34
1199472	B105A17500 K10	G34
1199480	B105A18500 K10	G34
1199488	B105A19000 K10	G34
1199492	B105A19500 K10	G34
1199675	B105A21000 K10	G34
1199682	B105A04100 K10	G32
1199685	B105A08600 K10	G33
1199807	F2AA0400ADL45 K600	P119
1199808	F2AA0500ADL45 K600	P119
1199811	F2AA0600ADL45 K600	P119
1199812	F2AA0800ADL45 K600	P119
1199815	F2AA1000ADL45 K600	P119
1199816	F2AA1200ADL45 K600	P119
1199819	F2AA1400ADL45 K600	P119
1199820	F2AA1600ADL45 K600	P119
1199824	F2AA2000ADL45 K600	P119
1201617	B105A03400 K10	G32
1201621	B105A03600 K10	G32
1201661	B105A04900 K10	G32
1201677	B105A05600 K10	G32
1201708	B105A06200 K10	G32
1201713	B105A06350 K10	G32
1201892	B105A10400 K10	G33
1202275	B411A08800 KF1	G100
1208579	3.41020R901 CS5	I15
1208588	3.41020R902 CS5	I15
1208594	3.41020R903 CS5	I15
1208601	3.41220R901 CS5	I15
1208606	3.41220R902 CS5	I15
1208615	3.41220R903 CS5	I15
1208627	3.41020R900 KMF	I16
1208635	3.42805R001 KMF	I27
1208642	3.42807R001 KMF	I27
1208648	3.41220R900 KMF	I16
1208764	SPHX060204R-22 KM1	J101
1208782	SPHX120404R-21 KM1	J100
1208789	SPHX120404R-22 KM1	J101
1208830	SPHX150504R-21 KM1	J100
1208833	SPHX150504R-22 KM1	J101
1221501	4.81201R011 KCK15	S77
1223594	SPHX1205PCERGPB KCK15	S77
1230196	B105A04300 K10	G32
1230373	CKM36	B70, B92–93, B115–119
1232519	3.76068R040V	J72–73
1236864	PCLNR3232P16	B65
1236865	PDJNR3232P15	B87
1242260	PT00163	E54
1243476	114.111	E16
1243526	169.974	J47
1243527	132.151	E15
1243529	132.156	E15
1243735	192.158	J81
1243752	3.77000R083V	J74
1243753	3.77000R084V	J74
1243754	3.77000R086V	J74
1243769	302.009	J79
1243770	302.010	J79
1243771	302.011	J79
1243777	360.630	I23, I26
1243778	360.631	I23, I26
1243779	360.632	I23, I26
1243780	360.633	I23, I26
1243781	360.634	I23
1243782	360.635	I23, I26
1243783	360.636	I23, I26
1243903	511.011	B138
1243930	551.131	B162
1244113	A16RPWLNR06	B165
1244114	A20SPWLNL06	B165
1244115	A20SPWLNR06	B165
1244116	A25RPWLNL08	B165
1244117	A32SPWLNL08	B165
1244118	A32SPWLNR08	B165
1244119	A40TPWLNL08	B165
1244120	A40TPWLNR08	B165
1244368	4.96102-206	U13
1244370	4.96124-204	U13
1244371	4.96124-205	U13
1244374	4.96124-210	U13
1244375	4.96124-212	U13
1244376	4.96164-205	U13
1244379	4.96164-210	U13
1244385	4.96255-206	U13
1244386	4.96255-208	U13
1244389	4.96082-204	U13
1244394	4.96164-204	U13
1244395	4.96205-208	U13
1244398	4.96102-205	U13
1244443	PCLNL16CA-12	B73
1244444	PCLNR12CA-12	B73
1244452	PSSNL12CA12	B121
1244455	PSSNR12CA-12	B121
1244457	PTFNL12CA-16	B142
1244496	PCLNR16CA-12	B73
1244595	CTGPR2020K11	B173, B355
1244604	CSSPL2525M12	B170, B354
1244605	CSSPR2020K12	B170, B354
1244606	CSSPR2525M12	B170, B354
1244613	CTDPR1212F11	B172, B355
1244630	PCBNL2020K12	B64
1244631	PCBNL2525M16	B64
1244633	PCBNL3232P19	B64
1244635	PCBNR2525M16	B64
1244636	PCBNR3225P12	B64
1244637	PCBNR3225P16	B64
1244638	PCBNR3232P16	B64
1244646	PCKNL2020K12	B64
1244647	PCKNL3225P12	B64
1244648	PCKNL3232P19	B64
1244649	PCKNR2020K12	B64
1244650	PCKNR3225P12	B64
1244652	PCLNR2525M19	B65
1244653	PCLNR3225P19	B65
1244654	PCSNL2020K12	B66
1244655	PCSNL2525M12	B66
1244656	PCSNR2020K12	B66
1244657	PCSNR3225P12	B66
1244658	PDJNL2020K11	B87
1244659	PDNNL2525M11	B88
1244668	PSBNL2525M12	B111
1244669	PSBNL2525M15	B111
1244672	PSBNL3232P15	B111
1244673	PSBNL3232P19	B111
1244674	PSBNL4040S19	B111
1244675	PSBNL4040S25	B111
1244677	PSBNR2525M12	B111
1244678	PSBNR3225P12	B111
1244680	PSBNR3232P15	B111
1244681	PSBNR3232P19	B111
1244682	PSBNR4040S19	B111
1244683	PSBNR4040S25	B111
1244686	PSDNN1616H09	B111
1244687	PSDNN3225P12	B111
1244688	PSDNN3225P19	B111
1244690	PSKNL2525M12	B112
1244693	PSKNL3232P19	B112
1244699	PSKNR2020K12	B112
1244701	PSKNR3232P15	B112
1244702	PSKNR3232P19	B112
1244709	PSSNL2020K12	B113
1244710	PSSNL2525M15	B113
1244711	PSSNL3225P12	B113
1244714	PSSNL3232P19	B113
1244715	PSSNL4040S19	B113
1244718	PSSNR2020K09	B113
1244719	PSSNR2525M15	B113
1244720	PSSNR3225P12	B113
1244722	PSSNR3232P15	B113
1244723	PSSNR4040S19	B113
1244726	PTFNL2525M16	B135
1244751	PDJNL1616H11	B87
1244752	PDJNR1616H11	B87
1244754	PDNNL2020K11	B88
1244756	PDNNR2020K11	B88
1244767	PWLNL2020K06	B163
1244768	PWLNL2020K08	B163
1244769	PWLNL2525M08	B163
1244770	PWLNL3225P08	B163
1244771	PWLNR1616H06	B163
1244772	PWLNR3225P08	B163
1244773	PDNNR2525M15	B88
1244774	PSBNL2020K12	B111
1244775	PCKNR2525M16	B64
1244776	PCKNR3225P16	B64
1244777	PCKNL3225P16	B64
1244778	PTGNL2525M22	B135
1244779	PCBNR2525M12	B64
1244780	PCKNL2525M12	B64
1244781	PDJNL3225P15	B87
1244784	PDJNR4025R15	B87
1244785	PDNNL2525M15	B88
1244789	PSSNL2525M12	B113
1244791	PTGNL1616H16	B135
1244792	PTGNL2525M16	B135
1244794	PCBNL3232P16	B64
1244795	PCBNR3232P19	B64
1244797	PCKNR2525M12	B64
1244798	PCKNR3232P19	B64
1244799	PCLNL1616H12	B65
1244800	PCLNL2525M19	B65
1244802	PCLNL3225P16	B65
1244803	PCLNL3225P19	B65
1244804	PCLNL3232P16	B65
1244805	PCLNL3232P19	B65
1244809	PCLNR1616H12	B65
1244810	PCLNR2020K12	B65
1244811	PCLNR3225P12	B65
1244812	PCLNR3225P16	B65
1244813	PCLNR3232P19	B65
1244817	PCSNL3232P19	B66
1244818	PCSNR2525M12	B66
1244819	PCSNR3232P19	B66
1244820	PDJNL2020K15	B87
1244821	PDJNL3232P15	B87
1244822	PDNNL2020K15	B88
1244823	PDNNL4025M15	B88
1244824	PDNNR2020K15	B88
1244825	PDNNR4025M15	B88
1244833	PSBNR2020K12	B111
1244834	PSBNR2525M15	B111

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1244835	PSDNN3232P19	B111
1244836	PSKNR2525M12	B112
1244837	PSSNR2020K12	B113
1244838	PSSNR3232P19	B113
1244839	PTFNL2020K16	B135
1244843	PTFNR2020K16	B135
1244844	PTFNR2525M16	B135
1244848	PTGNL2020K16	B135
1244850	PTGNR2020K16	B135
1244851	PTGNR2525M22	B135
1244858	PCLNL3225P12	B65
1244859	PCBNL2525M12	B64
1244863	PSDNN2020K12	B111
1244893	SCDPR1212H06	B192
1244896	SCEPR1010H06	B192
1244913	SCLPL1212M06	B193
1244917	SCSPR1010H06	B193
1244921	MWLNL2020K08H4	B162
1244922	MWLNL2525M08H4	B162
1244923	MWLNL3225P08H4	B162
1244924	MWLNR2020K08H4	B162
1244925	MWLNR3225P08H4	B162
1244940	STFCR1616H11	B247
1244943	STGCL1616H11	B247
1244944	STGCR1616H11	B247
1244949	SVHBL2020K11	B266
1244953	SVHBR2020K11	B266
1244957	SVJBL1616H16	B267
1244959	SVJBR1616H16	B267
1244961	SVVBN1616H16	B268
1244962	SVVBN2020K11	B268
1244966	SDJCL1616H07	B210
1244968	SDJCL2020K07	B210
1244972	SDJCR1616H07	B210
1244974	SDJCR2020K07	B210
1244982	SSSCR2525M12	B234
1244992	SVJBR3225P16	B267
1244995	SCLCR2525M09	B180
1244996	MTJNL2020K16H4	B136
1244997	MTJNL3225P16H4	B136
1244998	MTJNR3225P16H4	B136
1244999	MTJNR3225P22H4	B136
1245000	MTJNR2525M22H4	B136
1245001	MTJNL2525M22H4	B136
1245002	MTJNL2525M16H4	B136
1245016	S40T-CSYNR12-MN7	B373
1245236	1.18025L310	E15
1245237	1.18025R315	E15
1245244	1.10820R310	E14
1245245	1.10825L310	E14
1245247	1.10825R310	E14
1245248	1.10825R700	E14
1245255	1.18016R110	E15
1245256	1.18020L110	E15
1245257	1.18020R110	E15
1245258	1.18020R310	E15
1245259	1.18025R310	E15
1245260	1.18032L315	E15
1245261	1.18032R315	E15
1245277	1.17125L330	E15
1245287	1.18016L110	E15
1245292	1.18025L330	E16
1245326	1.18025L315	E15
1245338	1.38020R021	E16
1245339	1.38025L021	E16
1245340	1.38025R021	E16
1245357	1.77132R400	E17
1245364	1.78032R400	E18
1245371	1.77120L100	E17
1245372	1.77120R100	E17
1245374	1.77125R300	E17
1245382	1.77225R301	E18
1245388	1.77725R301	E17
1245392	1.78012R103	E18
1245394	1.78016R100	E18
1245397	1.78020R100	E18
1245398	1.78025L300	E18
1245712	302.014	J81
1245716	3.37042R320	I14
1245717	3.37042R820	I14
1245718	3.37051R320	I14
1245719	3.37051R820	I14
1245720	3.37062R320	I14
1245721	3.37062R820	I14
1245722	3.37081R320	I14
1245723	3.37081R820	I14
1245724	3.37101R332	I14
1245725	3.37121R332	I14
1245726	3.37131R832	I14
1245727	3.37141R332	I14
1245728	3.37151R832	I14
1245729	3.37161R332	I14
1245730	3.37161R832	I14
1245731	3.37171R332	I14
1245732	3.37171R832	I14
1245733	3.37181R332	I14
1245734	3.37181R832	I14
1245735	3.37060R720	I23
1245736	3.37080R720	I23
1245737	3.37160R732	I23
1245738	3.37180R732	I23
1245739	3.37526R006	I24
1245740	3.37528R008	I24
1245741	3.37532R012	I24
1245742	3.37534R014	I24
1245743	3.37538R016	I24
1245744	3.37540R018	I24
1245745	3.37542R020	I24
1245746	3.76063R040V	J72–73
1245747	3.76078R048V	J72–73
1245748	3.76096R058V	J72–73
1245749	3.76045R028V	J72–73
1245750	3.76050R028V	J72–73
1245751	3.76058R032V	J72–73
1245752	3.76078R040V	J72–73
1245753	3.76090R048V	J72–73
1245754	3.76096R048V	J72–73
1245755	3.76108R058V	J72–73
1245756	3.76115R070V	J72–73
1245757	3.76122R070V	J72–73
1245758	3.76130R070V	J72–73
1245759	3.76140R080V	J72–73
1245760	3.76150R080V	J72–73
1245761	3.76158R080V	J72–73
1245762	3.76162R080V	J72–73
1245818	3.77000R023V	J74
1245819	3.77000R030V	J74
1245820	3.77000R048V	J74
1245821	3.77000R049V	J74
1245822	3.77000R050V	J74
1245823	3.77000R051V	J74
1245824	3.77000R052V	J74
1245825	3.77000R053V	J74
1245826	3.77000R073V	J74
1245827	3.77000R074V	J74
1245828	3.77000R075V	J74
1245829	3.77000R076V	J74
1245830	3.77000R077V	J74
1245831	3.77000R078V	J74
1245832	3.77000R079V	J74
1245833	3.77000R080V	J74
1245834	3.77000R085V	J74
1245835	3.77000R087V	J74
1245836	3.77000R088V	J74
1245980	KSEM160R3WN20M	H59
1245983	KSEM160R5WN20M	H59
1245986	KSEM165R3WN20M	H59
1245988	KSEM165R5WN20M	H59
1245991	KSEM170R3WN20M	H59
1245993	KSEM170R5WN20M	H59
1245995	KSEM175R3WN20M	H59
1245997	KSEM175R5WN20M	H59
1245999	KSEM180R3WN20M	H59
1246001	KSEM180R5WN20M	H59
1246003	KSEM185R3WN25M	H59
1246005	KSEM185R5WN25M	H59
1246007	KSEM190R3WN25M	H59
1246008	KSEM190R5WN25M	H59
1246011	KSEM195R3WN25M	H59
1246013	KSEM195R5WN25M	H59
1246014	KSEM200R3WN25M	H59
1246017	KSEM200R5WN25M	H59
1246018	KSEM205R3WN25M	H59
1246021	KSEM205R5WN25M	H59
1246022	KSEM210R3WN25M	H59
1246024	KSEM210R5WN25M	H59
1246026	KSEM215R3WN25M	H59
1246028	KSEM215R5WN25M	H59
1246031	KSEM220R3WN25M	H59
1246032	KSEM220R5WN25M	H59
1246034	KSEM225R3WN25M	H60
1246036	KSEM225R5WN25M	H60
1246037	KSEM230R3WN25M	H60
1246040	KSEM230R5WN25M	H60
1246041	KSEM235R3WN25M	H60
1246044	KSEM235R5WN25M	H60
1246046	KSEM240R3WN25M	H60
1246048	KSEM240R5WN25M	H60
1246051	KSEM245R3WN32M	H60
1246053	KSEM245R5WN32M	H60
1246055	KSEM250R3WN32M	H60
1246057	KSEM250R5WN32M	H60
1246059	KSEM255R3WN32M	H60
1246061	KSEM255R5WN32M	H60
1246063	KSEM260R3WN32M	H60
1246065	KSEM260R5WN32M	H60
1246067	KSEM265R3WN32M	H60
1246069	KSEM265R5WN32M	H60
1246071	KSEM270R3WN32M	H60
1246073	KSEM270R5WN32M	H60
1246075	KSEM275R3WN32M	H60
1246077	KSEM275R5WN32M	H60
1246079	KSEM280R3WN32M	H60
1246081	KSEM280R5WN32M	H60
1246083	KSEM285R5WN32M	H60
1246085	KSEM290R3WN32M	H60
1246088	KSEM290R5WN32M	H60
1246089	KSEM295R3WN32M	H60
1246092	KSEM295R5WN32M	H60
1246093	KSEM300R3WN32M	H60
1246095	KSEM300R5WN32M	H60
1246098	KSEM305R3WN32M	H60
1246099	KSEM305R5WN32M	H60
1246102	KSEM310R3WN32M	H60
1246103	KSEM310R5WN32M	H60
1246106	KSEM315R3WN32M	H60
1246107	KSEM315R5WN32M	H60
1246109	KSEM320R3WN32M	H60
1246112	KSEM320R5WN32M	H60
1246114	4.97060116	U7
1246118	4.97060130	U7
1246120	4.97060140	U7
1246122	4.97080116	U7
1246124	4.97080122	U7
1246126	4.97080130	U7
1246129	4.97080140	U7
1246131	4.97101116	U7
1246132	4.97101122	U7
1246134	4.97101130	U7
1246136	4.97101140	U7
1246138	4.97123116	U7
1246140	4.97123122	U7
1246142	4.97123130	U7
1246145	4.97123140	U7
1246147	4.97164122	U7
1246149	4.97164130	U7
1246150	4.97164140	U7
1246153	4.97204130	U7
1246154	4.97204140	U7
1246157	4.97254130	U7
1246166	CBTF300R2WD20N3M	J98
1246168	CBTF420R2WD32N3M	J98
1246170	CBTF180R2WD20N3M	J98
1246187	CBTF330R2WD20N3M	J98
1246188	CBTF360R2WD32N3M	J98
1246195	CBTF400R2WD32N3M	J98
1246203	CBTF240R2WD20N2M	J98
1246205	CBTF280R2WD20N3M	J98
1246207	CBTF320R2WD20N3M	J98
1246216	CBTF460R2WD32N3M	J98
1246234	DFT250R4WD32M	J46
1246238	DFT270R4WD32M	J46
1246239	DFT280R4WD32M	J46
1246242	DFT290R4WD32M	J46
1246243	DFT300R4WD32M	J46
1246245	DFT310R4WD32M	J46
1246247	DFT320R4WD32M	J46
1246248	DFT250R4WD40M	J46
1246249	DFT260R4WD40M	J46
1246250	DFT270R4WD40M	J46
1246251	DFT280R4WD40M	J46
1246253	DFT290R4WD40M	J46
1246256	DFT300R4WD40M	J46
1246258	DFT310R4WD40M	J46
1246260	DFT320R4WD40M	J46
1246262	DFT330R4WD40M	J46
1246263	DFT340R4WD40M	J46
1246266	DFT350R4WD40M	J46
1246267	DFT360R4WD40M	J46
1246271	DFT380R4WD40M	J46
1246273	DFT390R4WD40M	J46
1246275	DFT400R4WD40M	J46
1246278	DFT420R4WD40M	J46
1246279	DFT430R4WD40M	J46
1246282	DFT440R4WD40M	J46
1246284	DFT450R4WD40M	J46
1246285	DFT460R4WD40M	J46
1246288	DFT470R4WD40M	J46
1246289	DFT480R4WD40M	J46
1247080	460.887	U8
1247082	460.888	U7–8
1247085	460.890	U7–8
1247087	460.897	U7–8
1247088	460.898	U7–8
1247091	460.899	U7–8
1249028	5.34280R028080	J77
1250901	SCEPR1212H06	B192
1251261	WXXNL4455X-FL	E54
1251262	WXXNR4455X-FL	E54
1252234	SVJBL2020K11	B267
1252235	SVJBR2020K11	B267
1255899	170.285	H65
1255900	170.286	H65
1255901	170.287	H65
1255902	170.288	H65
1255968	B105A05400 K10	G32
1258625	B105A03900 K10	G32
1260014	CCLNL2525M12-MF4	B358
1260015	CCLNL2525M12-MN4	B358
1260016	CCLNL2525M12-MN7	B358
1260017	CCLNL2525M12-MX7	B358
1260020	CCLNL3225P12-MX7	B358
1260022	CCLNR2525M12-MF4	B358
1260023	CCLNR2525M12-MN4	B358
1260024	CCLNR2525M12-MN7	B358
1260025	CCLNR2525M12-MX7	B358
1260027	CCLNR3225P12-MN7	B358
1260028	CCLNR3225P12-MX7	B358
1260086	CC09	B186–187
1260087	CC11	B185–187
1260172	CDJNL2525M12-MX7	B360
1260176	CDJNR2525M15MN7	B360
1260177	CDJNR2525M15-MX7	B360
1261273	CRSNR3225P12MN7	B362
1261299	CSKNL2525M12-MN4	B363
1261300	CSKNL2525M12-MN7	B363
1261315	CSKNR2525M12-MN7	B363
1261328	CSKPR12CA12	B375
1261334	CSRNL3225P12-MN7	B364
1261336	CSRNR2525M12-MN7	B364
1261349	CSSNL2525M12-MN7	B365
1261350	CSSNL2525M12-MX7	B365
1261353	CSSNL3225P12-MN4	B365
1261354	CSSNL3225P12-MN7	B365
1261366	CSSNR2525M12-MN7	B365
1261367	CSSNR2525M12-MX7	B365
1261370	CSSNR3225P12-MN4	B365
1261371	CSSNR3225P12-MN7	B365
1261378	CSSNR3225P15-MX7	B365
1261379	CSSPR10CA09	B377
1261408	CSYNL2525M12-MN7	B367
1261414	CSYNL3225P12-MX7	B367
1261423	CSYNR2525M12-MN7	B367
1261478	CTGNL2525M16-MN4	B368
1261479	CTGNL2525M16-MN7	B368
1261482	CTGNR2525M16-MN4	B368
1261483	CTGNR2525M16-MN7	B368
1262129	E0412XSCLDRS447	B187

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1262131	E0416KSCLDRS447	B187
1262175	E0616XSCLDRS463	B187
1262178	E0612HSCLDRS463	B187
1263816	DV40BKR50060M	K86
1263825	DV40BT13069	K138
1264135	DV50BKR63060M	K86
1264136	DV50BKR80070M	K86
1270619	EB48040500	K139
1270620	EB53050550	K139
1270621	EB58050600	K139
1270966	E04MSCLDLS4	B186
1270967	E04MSCLDRS4	B186
1270977	E06MSCLDLS4	B186
1270978	E06MSCLDRS4	B186
1270981	E06MSTLDL07	B251
1270982	E06MSTLDR07	B251
1270987	E08MSCLDLS4	B186
1270988	E08MSCLDRS4	B186
1270991	E08MSTLDL07	B251
1270992	E08MSTLDR07	B251
1271092	FC11	B250–251
1271093	FC14	B250–252
1274022	ICSN643 K9	B59–60
1274800	ISSN443 K9	B105–107
1274805	ISSN543 K9	B105
1274807	ISSN643 K9	B105
1279732	KRCSTFPR113F	K85
1279733	KRDCKR63M	K86–88
1279734	KRDCKR80M	K86–88
1279736	KRDE070019M	K85, K104
1279739	KRDE083019M	K85, K104–105
1279740	KRDE096019M	K85, K105
1279741	KRDE101023M	K85, K106
1279742	KRDE120023M	K85, K106–107
1279743	KRDE139026M	K85, K107
1279745	KRDE156026M	K85, K108
1279746	KRDE175026M	K85, K109
1279748	KRDE193026M	K85, K110
1279772	KR32KR32038050M	K88
1279775	KR32KR32047050M	K88
1279785	KR50KR50065050M	K88
1279787	KR50SVS5B094M	K79
1279791	KR63KR63085050M	K88
1279792	KR63KR63085100M	K88
1279793	KR63SVS6B126M	K79
1279797	KR80KR80095050M	K88
1279798	KR80KR80095100M	K88
1279856	KSEM165R7WN20M	H61
1279857	KSEM170R7WN20M	H61
1279858	KSEM175R7WN20M	H61
1279859	KSEM180R7WN20M	H61
1279863	KSEM185R7WN25M	H61
1279864	KSEM190R7WN25M	H61
1279866	KSEM195R7WN25M	H61
1279867	KSEM200R7WN25M	H61
1279868	KSEM205R7WN25M	H61
1279872	KSEM210R7WN25M	H61
1279873	KSEM215R7WN25M	H61
1279874	KSEM220R7WN25M	H61
1279878	KSEM225R7WN25M	H61
1279881	KSEM230R7WN25M	H61
1279882	KSEM235R7WN25M	H61
1279889	KSEM245R7WN32M	H61
1279891	KSEM250R7WN32M	H61
1279892	KSEM255R7WN32M	H61
1279893	KSEM260R7WN32M	H62
1279894	KSEM265R7WN32M	H62
1279895	KSEM270R7WN32M	H62
1279896	KSEM275R7WN32M	H62
1279898	KSEM280R7WN32M	H62
1279902	KSEM285R3WN32M	H60
1279903	KSEM285R7WN32M	H62
1279905	KSEM290R7WN32M	H62
1279906	KSEM295R7WN32M	H62
1279908	KSEM300R7WN32M	H62
1279911	KSEM305R7WN32M	H62
1279913	KSEM310R7WN32M	H62
1279914	KSEM315R7WN32M	H62
1279915	KSEM320R7WN32M	H62
1282100	MCLNR16CA12	B72
1282677	KSEM240R7WN25M	H61
1282803	MSRNL12CA12	B116
1282807	MSSNR12CA12	B117
1284109	PCSNL3225P12	B66
1287636	SN5TM	W40–43
1288604	STN1616UNI KC610M	W44
1288876	A04XSCLDLS4	B186
1288877	A04XSCLDRS4	B186
1288884	A06HSTFDR07	B250
1288886	A06HSTLDR07	B250
1288892	A06XSCLDLS4	B186
1288893	A06XSCLDRS4	B186
1288898	A08HSTFDR07	B250
1288900	A08HSTLDR07	B250
1288905	A08XSCLDLS4	B186
1288906	A08XSCLDRS4	B186
1289072	S40T-CCLNL12-MN7	B372
1289075	S40T-CCLNR12-MN4	B372
1289076	S40T-CCLNR12-MN7	B372
1289077	S40T-CCLNR12-MX7	B372
1289129	A0412ESCLDRS412	B187
1289130	A0412ESCLDRS425	B187
1289155	A0612XSTLDR0731	B251
1291909	VBMT110304111 KT315	B264
1294964	11X1R012B12STN11N	W40
1300343	5.34270R058100	J77
1300344	5.34280R032080	J77
1310704	DPGT070204LF KC5010	B214
1310705	DPGT11T302LF KC5010	B214
1310707	DPGT11T301LF KC5010	B214
1310718	CCGT060202LF KC5010	B175
1310719	DPGT11T304HP KC5010	B214
1310720	DPGT11T304LF KC5010	B214
1310721	CCGT060201LF KC5010	B175
1310723	DPGT11T308HP KC5010	B214
1310724	CCGT060204HP KC5010	B175
1310725	DPGT11T308LF KC5010	B214
1310726	CCGT060204LF KC5010	B175
1310728	CCGT060208LF KC5010	B175
1310730	CCGT09T302HP KC5010	B175
1310733	CCGT09T302LF KC5010	B175
1310735	CCGT09T301LF KC5010	B175
1310737	CCGT09T304HP KC5010	B175
1310739	CCGT09T304LF KC5010	B175
1310740	CCGT09T308LF KC5010	B175
1310746	CCGT120402HP KC5010	B175
1310750	CCGT120404HP KC5010	B175
1310777	CNGP120408K KC5010	B47
1310793	TPGT110202HP KC5010	B254
1310800	TPGT16T304HP KC5010	B254
1310802	TPGT16T308HP KC5010	B254
1310803	CPGT060204K KC5010	B188
1310805	TPGT16T308LF KC5010	B254
1310838	CPGT060202LF KC5010	B189
1310839	CPGT060201LF KC5010	B189
1310841	VBMT110302LF KC5010	B265
1310842	CPGT060204LF KC5010	B189
1310844	CPGT09T302HP KC5010	B188
1310845	VBMT110304LF KC5010	B265
1310846	CPGT09T302LF KC5010	B189
1310849	VBMT160404LF KC5010	B265
1310850	CPGT09T304HP KC5010	B188
1310878	CPGT09T304LF KC5010	B189
1310880	DCGT11T302HP KC5010	B206
1310881	DCGT11T304HP KC5010	B206
1310882	DCGT11T308HP KC5010	B206
1310883	VNGP160404K KC5010	B144
1310885	DCMT070204LF KC5010	B207
1310887	DCMT11T302LF KC5010	B207
1310888	VNGP160408K KC5010	B144
1310890	DCMT11T304LF KC5010	B207
1310939	TPGT110204HP KC5010	B254
1310943	TPGT110204LF KC5010	B254
1310944	DPGT070202HP KC5010	B214
1310945	DPGT070204HP KC5010	B214
1310946	TPGT16T304LF KC5010	B254
1310947	DPGT070202LF KC5010	B214
1310948	VBMT160408LF KC5010	B265
1310950	WNGP080408K KC5010	B154
1310951	DCMT070202LF KC5010	B207
1310954	CCGT120408HP KC5010	B175
1310955	CNMG120408 KC5010	B47
1310956	CNMG120408MG KC5010	B57
1311193	KSEM160R7WN20M	H61
1312498	364.015	H58, H60, H63, H99
1313053	CRDNN2525M12MN7	B362
1314840	DCMT11T308LF KC5010	B207
1315965	MS1489	D31–33, D39
1316525	3.42805R001 KC7215	I27
1316526	3.42807R001 KC7215	I27
1318353	SCLCL2525M09	B180
1319470	IWSN322 K9	B161–162, B164
1320407	CRDNN3225P12MN7	B362
1321012	410.083	S143–147
1322363	3.90016SNGB KC735M	U9
1322365	3.90022SNGB KC735M	U9
1322366	3.90030SNGB KC735M	U9
1322367	3.90040SNGB KC735M	U9
1322368	3.90022ECGD KMF	U9
1322370	3.90030ECGD KMF	U9
1322371	3.90040ECGD KMF	U9
1322958	SPHX1205ZCTRGPK KY3500	S73
1324116	CRSNR2525M12MN7	B362
1324700	193.297	C118
1327362	CDJNR3225P15MN7	B360
1327363	CDJNL3225P15MN7	B360
1328642	A06MSWLCR2	B271
1328644	A08RSWLCR2	B271
1328646	A10SSWLCR3	B271
1331458	CELNR2525M13MF7	B361
1331597	CRSNL3225P12MN7	B362
1339367	MSSNR10CA09	B117
1500650	KRCSCFPR062L	K82
1501221	CELNL2525M13MN7	B361
1501222	CELNR2525M13MN7	B361
1501356	KRCSCFPR061L	K82
1501357	KRCSCFPR063L	K82
1501652	50A05RP90SP12CFP	S76
1501653	63A08RP90SP12CFP	S76
1501655	80A10RP90SP12CFP	S76
1501660	100B14RP90SP12CFP	S76
1501666	50A06RP70SP12CFP	S72
1501667	63B08RP70SP12CFP	S72
1501668	80B10RP70SP12CFP	S72
1501701	100B14RP70SP12CFP	S72
1502204	CRDNN3225P12MN4	B362
1503007	50A04RP90SP12CFP	S76
1503012	63A06RP90SP12CFP	S76
1503013	80A06RP90SP12C1WFP	S76
1503015	100B08RP90SP12C2WFP	S76
1503018	125B10RP90SP12C2WFP	S76
1503021	160C12RP90SP12C3WFP	S76
1503022	200C16RP90SP12C4WFP	S76
1503027	50A04RP70SP12CFP	S72
1503029	63B05RP70SP12CFP	S72
1503034	100B08RP70SP12C2WFP	S72
1503038	80B06RP70SP12C1WFP	S72
1503049	125B10RP70SP12C2WFP	S72
1503054	160C12RP70SP12C3WFP	S72
1503057	200C16RP70SP12C4WFP	S72
1503826	CCLNR2525M12-MF7	B358
1503827	CCRNL2525M12-MN7	B359
1504247	SPHX1205ZCTRGP4SK KY3500	S73
1504885	CCRNR3225P12-MN7	B359
1504931	CCLNL3225P12-MN7	B358
1504935	CCLNL2525M12-MF7	B358
1504937	CCLNR3225P12-MN4	B358
1504968	CDJNL2525M15MX7	B360
1504969	CDJNL2525M15MN7	B360
1505366	SPHX1205ZCTR-GP1WK KY3500	S74
1505370	SPHX1205PCTRGPBK KY3500	S77
1505394	SPHX1205PCTRGP4SBK KY3500	S77
1505400	SPHX1205PCTR-GP1WBK KY3500	S78
1505504	CDHNR2525M12-MX7	B359
1505803	CELNR2525M13-MX7	B361
1505865	SPHX1205PCSRGPB KC725M	S77
1505881	SPHX1205ZCERGP4S KCK15	S73
1505883	479.100	S72, S76, S79, S82
1505923	SPHX1205PCERGP4SB KCK15	S77
1510281	CRDNN2525M12MN4	B362
1510282	CRSNL2525M12-MN4	B362
1510283	CRSNL2525M12MN7	B362
1510284	CRSNL3225P12MN4	B362
1510285	CRSNR2525M12-MN4	B362
1510286	CRSNR3225P12MN4	B362
1510291	CSRNL2525M12-MN4	B364
1510292	CSRNL2525M12-MN7	B364
1510300	CSRNL3225P15-MX7	B364
1510303	CSRNR2525M12-MN4	B364
1510313	CSXNL2525M12-MN4	B366
1510327	CSXNR2525M12-MN4	B366
1510334	CSXNR3225P12-MX7	B366
1510341	CTFNL2525M16-MN4	B368
1510344	CTFNR2525M16-MN4	B368
1510401	S40T-CCLNL12-MX7	B372
1510773	170.281	H65
1510776	170.282	H65
1510779	170.283	H65
1510781	170.284	H65
1511189	VCGR160404 KT315	E34
1514473	SSSCL2525M12	B234
1516937	SPHX1205ZCER-GP1W KCK15	S74
1517764	SPHX1205PCER-GP1WB KCK15	S78
1520056	3.90016SNGD KC735M	U9
1520057	3.90022SNGD KC735M	U9
1520058	3.90030SNGD KC735M	U9
1520059	3.90040SNGD KC735M	U9
1520076	3.90016ECGD KMF	U9
1522062	KRBB16SCLDRS406A	K75, K98
1522063	KRBB16SCFPR06085A	K75, K98
1522064	KRBB16SCFPR0611A	K75, K98
1522068	KRBB16SCFPR06135A	K75, K98
1522069	KRBB16SCFPR0616A	K75, K99
1522070	KRBB16SCFPR0619A	K75, K99
1522071	KRBB16SCFPR0622A	K75, K99
1522848	TPGT090204LF KC5010	B254
1522850	TPGT16T302HP KC5010	B254
1522905	CPGT060202HP KC5010	B188
1522907	CPGT060204HP KC5010	B188
1522942	TCGT110204HP KC5010	B243
1522943	TCGT16T302HP KC5010	B243
1522945	TCGT16T304HP KC5010	B243
1522946	TCGT110204LF KC5010	B243
1522947	TCGT16T302LF KC5010	B243
1522948	TCGT16T304LF KC5010	B243
1522949	TCGT16T308LF KC5010	B243
1523196	TCGT110202HP KC5010	B243
1523329	TPGT090202LF KC5010	B254
1523354	TCGT16T308HP KC5010	B243
1523501	RCGK040300HP K313	E63
1527051	SCMT12040811 KT315	B230
1527992	DCMT11T30811 KT315	B206
1527995	TCMT16T30811 KT315	B243
1528328	DV50BKR32041M	K86
1535836	SDET120412PDERGB KC725M	T105, T112, U51
1536224	SDET1204PDERGB KC520M	T105, T112, U51
1539005	DV40BKR32041M	K86
1541367	DFT250R2WD32M	J44
1541368	DFT260R2WD32M	J44
1541369	DFT270R2WD32M	J44
1541370	DFT280R2WD32M	J44
1541381	DFT290R2WD32M	J44
1541382	DFT300R2WD32M	J44
1541383	DFT310R2WD32M	J44
1541384	DFT320R2WD32M	J44
1541385	DFT330R2WD32M	J44
1541386	DFT340R2WD32M	J44
1541387	DFT350R2WD32M	J44
1541388	DFT360R2WD32M	J44
1541389	DFT370R2WD32M	J44
1541390	DFT380R2WD32M	J44
1541391	DFT390R2WD32M	J44
1541392	DFT400R2WD32M	J44
1541393	DFT410R2WD32M	J44
1541394	DFT420R2WD32M	J44
1541395	DFT430R2WD32M	J44
1541396	DFT440R2WD32M	J44
1541847	DFT250R2WD40M	J44
1541848	DFT260R2WD40M	J44
1541849	DFT270R2WD40M	J44
1541850	DFT280R2WD40M	J44
1541851	DFT290R2WD40M	J44

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1541852	DFT300R2WD40M	J44
1541853	DFT310R2WD40M	J44
1541854	DFT320R2WD40M	J44
1541855	DFT330R2WD40M	J44
1541856	DFT340R2WD40M	J44
1541857	DFT350R2WD40M	J44
1541858	DFT360R2WD40M	J44
1541859	DFT370R2WD40M	J44
1541860	DFT480R2WD40M	J44
1541871	DFT380R2WD40M	J44
1541872	DFT390R2WD40M	J44
1541873	DFT400R2WD40M	J44
1541874	DFT410R2WD40M	J44
1541875	DFT420R2WD40M	J44
1541876	DFT430R2WD40M	J44
1541877	DFT440R2WD40M	J44
1541878	DFT450R2WD40M	J44
1541879	DFT460R2WD40M	J44
1541880	DFT470R2WD40M	J44
1541901	DFT490R2WD40M	J44
1541902	DFT500R2WD40M	J44
1541903	DFT510R2WD40M	J44
1541904	DFT520R2WD40M	J44
1541905	DFT530R2WD40M	J44
1541906	DFT540R2WD40M	J44
1541931	DFT450R2WD50M	J44
1541932	DFT460R2WD50M	J44
1541933	DFT470R2WD50M	J44
1541934	DFT480R2WD50M	J44
1541935	DFT490R2WD50M	J44
1541936	DFT500R2WD50M	J44
1541951	DFT510R2WD50M	J44
1541952	DFT520R2WD50M	J44
1541953	DFT530R2WD50M	J44
1541954	DFT670R2WD50M	J45
1542043	DFT540R2WD50M	J44
1542071	DFT550R2WD50M	J44
1542072	DFT560R2WD50M	J44
1542074	DFT570R2WD50M	J44
1542076	DFT580R2WD50M	J44
1542081	DFT600R2WD50M	J44
1542083	DFT610R2WD50M	J45
1542090	DFT620R2WD50M	J45
1542092	DFT630R2WD50M	J45
1542093	DFT640R2WD50M	J45
1542096	DFT650R2WD50M	J45
1542097	DFT660R2WD50M	J45
1542099	DFT680R2WD50M	J45
1542105	DFT690R2WD50M	J45
1542107	DFT700R2WD50M	J45
1542781	DFT710R2WD50M	J45
1542782	DFT720R2WD50M	J45
1543235	DFT730R2WD50M	J45
1543236	DFT740R2WD50M	J45
1543237	DFT750R2WD50M	J45
1543238	DFT760R2WD50M	J45
1543239	DFT770R2WD50M	J45
1543240	DFT780R2WD50M	J45
1543311	DFT790R2WD50M	J45
1543312	DFT800R2WD50M	J45
1543313	DFT810R2WD50M	J45
1543314	DFT820R2WD50M	J45
1544364	DFT590R2WD50M	J44
1546392	SMYE5 K9	D84
1546393	SMYI5 K9	D82, D84–85
1549256	SN3TM	W40, W42
1551609	KSEM160R10WN20M	H61
1551610	KSEM165R10WN20M	H61
1551831	KSEM170R10WN20M	H61
1551833	KSEM175R10WN20M	H61
1551834	KSEM180R10WN20M	H61
1551835	KSEM185R10WN25M	H61
1551836	KSEM190R10WN25M	H61
1551837	KSEM195R10WN25M	H61
1551838	KSEM200R10WN25M	H61
1551839	KSEM210R10WN25M	H61
1551840	KSEM220R10WN25M	H61
1551841	KSEM230R10WN25M	H61
1551842	KSEM240R10WN25M	H61
1551843	KSEM250R10WN32M	H61
1551844	KSEM260R10WN32M	H62
1551845	KSEM265R10WN32M	H62
1551846	KSEM270R10WN32M	H62
1551847	KSEM280R10WN32M	H62
1551848	KSEM290R10WN32M	H62
1551849	KSEM300R10WN32M	H62
1551850	KSEM310R10WN32M	H62
1551861	KSEM320R10WN32M	H62
1553521	SPHX1205ZCTLGPK KY3500	S73
1556483	LNEQ1245R04 KC520M	U20
1556531	LNEU1245R04 KC520M	U19
1556533	LNEU1245R08 KC520M	U19
1556535	LNEU1245R16 KC520M	U19
1556536	LNEU1245R32 KC520M	U19
1556542	LNEU1255R08 KC520M	U19
1560389	CCGT060204HP KC5410	B175
1560390	CCGT09T302HP KC5410	B175
1560600	CCGT060202HP KC5410	B175
1560651	CCGT09T304HP KC5410	B175
1560653	CCGT120404HP KC5410	B175
1560655	CCGT120408HP KC5410	B175
1560692	CPGT060204LF KC5410	B189
1560693	CPGT09T302HP KC5410	B188
1560694	CPGT09T304HP KC5410	B188
1560698	CPGT09T304LF KC5410	B189
1560699	DCGT11T302HP KC5410	B206
1560714	DCGT11T304HP KC5410	B206
1560715	DCGT11T308HP KC5410	B206
1560717	DNGP150402 KC5410	B74
1560721	DPGT070204HP KC5410	B214
1560723	DPGT11T304HP KC5410	B214
1560751	RCGK060400HP KC5410	E63
1560752	RCGK090700HP KC5410	E63
1560753	RCGK120800HP KC5410	E63
1560756	TPGT110204HP KC5410	B254
1560757	TPGT16T304HP KC5410	B254
1560759	TPGT16T308HP KC5410	B254
1560781	VCGR160404 KC5410	E34
1560783	VCGR160408 KC5410	E34
1560784	WNGP080408K KC5410	B154
1560790	CNMP120404 KC5410	B56
1560795	CNMP120408 KC5410	B56
1560797	CNMS120408 KC5410	B57
1560799	CNMS160608 KC5410	B57
1560801	CNMS190608 KC5410	B57
1560803	DNMS150408 KC5410	B84
1560808	SNMS190612 KC5410	B104
1560829	TNMS220408 KC5410	B131
1560833	VNMS160404 KC5410	B148
1560834	VNMS160408 KC5410	B148
1566071	46X1R100B40STNB38L	W41
1582600	KR50SVU65110MCLB	K84
1582734	3.76180R110	J72–73
1582739	3.76195R110	J72–73
1582742	3.76213R125	J72–73
1582745	3.76230R160	J72–73
1582750	3.76260R160	J72–73
1592413	KSEM160R1WN20M	H58
1592414	KSEM181R1WN25M	H58
1592416	KSEM200R1WN25M	H58
1592417	KSEM221R1WN25M	H58
1592418	KSEM241R1WN32M	H58
1592419	KSEM261R1WN32M	H58
1592420	KSEM281R1WN32M	H58
1592461	KSEM301R1WN32M	H58
1592463	KSEM321R1WD50M	H58
1592464	KSEM361R1WD50M	H58
1592465	KSEM181R5WN25M	H59
1592466	KSEM221R5WN25M	H59
1592467	KSEM241R5WN32M	H60
1592468	KSEM261R5WN32M	H60
1592469	KSEM281R5WN32M	H60
1592491	KSEM301R5WN32M	H60
1592492	KSEM321R5WD50M	H60
1592493	KSEM330R5WD50M	H60
1592494	KSEM340R5WD50M	H60
1592496	KSEM350R5WD50M	H60
1592498	KSEM360R5WD50M	H60
1592502	KSEM361R5WD50M	H60
1592504	KSEM370R5WD50M	H60
1592505	KSEM380R5WD50M	H60
1592507	KSEM390R5WD50M	H60
1592509	KSEM400R5WD50M	H60
1597226	SDCW1204PDSRGN KY3500	T106, T113
1597228	SDCW120412PDSRGN KY3500	T106, T113
1599327	KSEM225R10WN25M	H61
1600249	KGMSR2525M50	C129
1600250	KGMSL2525M50	C129
1600270	KGMER2525M50	C130
1600271	KGMEL2525M50	C130
1601557	CNMG120404FF KC5010	B48
1601631	CNMG120404FF KT315	B48
1601632	CNMG120408FF KC5010	B48
1601636	CNMG120408FF KT315	B48
1601637	DNMG150608FF KC5010	B76
1601651	DNMG150608FF KT315	B76
1601652	WNMG080408FF KC5010	B155
1601656	TNMG160408FF KC5010	B124
1601886	TNMG160408FF KT315	B124
1601888	VNMG160404FF KC5010	B145
1601890	VNMG160408FF KC5010	B145
1601953	VNMG160408FF KT315	B145
1602247	VNMG160404FF KT315	B145
1602250	WNMG060408FF KC5010	B155
1602304	WNMG060408FF KT315	B155
1602579	TNMG160404FF KT315	B124
1602604	TNMG160404FF KC5010	B124
1604705	DNMG150408FF KT315	B76
1604706	DNMG150408FF KC5010	B76
1605207	CNMG120404FN KT315	B49
1605242	CNMG120408FN KT315	B49
1605250	CNMG120412FN KT315	B49
1605279	DNMG150408FN KT315	B77
1605334	DNMG150608FN KT315	B77
1606050	50HC040M	G85
1606061	50HC060M	G85
1606062	50HC080M	G85
1606064	50HC100M	G85
1606360	SNMG120408FN KT315	B97
1606485	TNMG160408FN KT315	B124
1606718	WNMG080408FN KT315	B155
1608363	DFR125R2WD20M	J10
1608364	DFR127R2WD20M	J10
1608365	DFR130R2WD20M	J10
1608366	DFR135R2WD20M	J10
1608367	DFR140R2WD20M	J10
1608368	DFR145R2WD20M	J10
1608369	DFR150R2WD20M	J10
1608370	DFR155R2WD20M	J10
1608391	DFR160R2WD20M	J10
1608392	DFR125R3WD20M	J11
1608393	DFR127R3WD20M	J11
1608394	DFR130R3WD20M	J11
1608395	DFR135R3WD20M	J11
1608396	DFR140R3WD20M	J11
1608397	DFR145R3WD20M	J11
1608398	DFR150R3WD20M	J11
1608399	DFR155R3WD20M	J11
1608400	DFR160R3WD20M	J11
1608497	DNMG110404FF KC5010	B76
1608500	DNMG110404FF KT315	B76
1608944	DNMG110408FF KT315	B76
1608949	TNMG160404FN KT315	B124
1610085	TNMG160412FN KT315	B124
1610089	DNMG110404FN KT315	B77
1610905	VCGR160408 KT315	E34
1610983	DNMG110408FN KT315	B77
1610985	DNMG150604FF KC5010	B76
1610988	DNMG150604FF KT315	B76
1611279	DNMG150604FN KT315	B77
1611325	DNMG150612FN KT315	B77
1611330	WNMG060404FN KT315	B155
1611335	WNMG060408FN KT315	B155
1611338	WNMG080404FF KC5010	B155
1611360	KSEM181R10WN25M	H61
1611414	WNMG080404FN KT315	B155
1611417	SNMG120408FF KC5010	B97
1611434	KSEM205R10WN25M	H61
1611435	KSEM215R10WN25M	H61
1611436	KSEM221R10WN25M	H61
1611437	KSEM235R10WN25M	H61
1611438	KSEM241R10WN32M	H61
1611439	KSEM245R10WN32M	H61
1611440	KSEM255R10WN32M	H61
1611441	KSEM261R10WN32M	H62
1611442	KSEM275R10WN32M	H62
1611443	KSEM281R10WN32M	H62
1611444	KSEM285R10WN32M	H62
1611445	KSEM295R10WN32M	H62
1611446	KSEM301R10WN32M	H62
1611931	LSASR3232P22	D78
1611933	LSSR3232P16Q	D79
1611934	LSSL3232P16Q	D79
1611935	LSSR3232P22Q	D79
1611938	LSSRDH2525M16	D79
1611939	LSSLDH2525M16	D79
1612562	DNMG150404FF KC5010	B76
1612565	DNMG150404FF KT315	B76
1612581	A1320LSER16	D81
1612584	A2020LSER22	D81
1612585	A2020LSEL22	D81
1612586	A2532LSEL16	D81
1612587	A3232LSER22	D81
1612588	A3232LSEL22	D81
1612950	DNMG150404FN KT315	B77
1617589	DNMG150412FN KT315	B77
1620372	KCGR110304R08 KT315	E29
1620373	TPMT110204LF KT315	B255
1620374	CPMT060208LF KT315	B190
1621083	KGMSR3232P50	C129
1621084	KGMSL3232P50	C129
1621085	KGMER3232P50	C130
1621086	KGMEL3232P50	C130
1621087	MS2002	C58–65, C129–135
1623193	CCGT060208HP KC5410	B175
1623194	CCGT09T308HP KC5410	B175
1623200	DCGT070202HP KC5410	B206
1623271	DCGT070204HP KC5410	B206
1623272	TCGT110202HP KC5410	B243
1623273	TCGT110204HP KC5410	B243
1623274	TCGT16T304HP KC5410	B243
1623275	TCGT16T308HP KC5410	B243
1623278	VBGT160404HP KC5410	B264
1623279	VBGT160408HP KC5410	B264
1624156	CNMG090304FF KC5010	B48
1624159	CNMG090308FF KC5010	B48
1624223	SNMG090304FF KC5010	B97
1624227	SNMG090308FF KC5010	B97
1624229	SNMG090308FF KT315	B97
1624233	TNMG110308FF KC5010	B124
1624424	CNMG090304FN KT315	B49
1624431	VNMG160404FN KT315	B145
1624432	VNMG160408FN KT315	B145
1624878	EBURF1975PKG	K141
1679773	LT11NRA60CB KC5025	D67
1679775	LT11NR075ISOCB KC5025	D71
1679776	LT11NR10ISOCB KC5025	D71
1679777	LT11NR125ISOCB KC5025	D71
1679778	LT11NR15ISOCB KC5025	D71
1679779	LT16ERAG60CB KC5010	D53
1679780	LT16ERAG60CB KC5025	D53
1690871	LT16ER05ISOCB KC5010	D58
1690872	LT16ER05ISOCB KC5025	D58
1690873	LT16ER075ISOCB KC5010	D58
1690874	LT16ER075ISOCB KC5025	D58
1690875	LT16ER10ISOCB KC5010	D58
1690876	LT16ER10ISOCB KC5025	D58
1690877	LT16ER125ISOCB KC5010	D58
1690878	LT16ER125ISOCB KC5025	D58
1690879	LT16ER15ISOCB KC5010	D58
1690880	LT16ER15ISOCB KC5025	D58
1692101	LT16ER175ISOCB KC5010	D58
1692102	LT16ER175ISOCB KC5025	D58
1692103	LT16ER20ISOCB KC5010	D58
1692109	LT16ER20ISOCB KC5025	D58
1698205	LT16ER25ISOCB KC5025	D58
1698206	LT16ER30ISOCB KC5010	D58
1698207	LT16ER30ISOCB KC5025	D58
1698208	LT16NRAG60CB KC5025	D67
1698209	LT16NRG60CB KC5025	D67
1698210	LT16NR10ISOCB KC5025	D71
1712545	840.142.250	K118–120
1712546	840.142.320	K118–119
1712547	840.142.420	K118–119
1712552	LT16NR15ISOCB KC5025	D71
1712554	LT16NR20ISOCB KC5025	D71

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1712555	LT16NR25ISOCB KC5025	D71
1712556	LT11NR16UNCB KC5025	D75
1712557	LT11NR18UNCB KC5025	D75
1712558	LT11NR20UNCB KC5025	D75
1712559	LT11NR24UNCB KC5025	D75
1712561	LT11NR32UNCB KC5025	D75
1712563	LT16ER8UNCB KC5010	D63
1712564	LT16ER8UNCB KC5025	D63
1712566	LT16ER10UNCB KC5025	D63
1712567	LT16ER12UNCB KC5010	D63
1712568	LT16ER12UNCB KC5025	D63
1712569	LT16ER14UNCB KC5010	D63
1712570	LT16ER14UNCB KC5025	D63
1712586	SPHX1205ZCERGP KC520M	S73
1712601	LT16ER16UNCB KC5010	D63
1712602	LT16ER16UNCB KC5025	D63
1712603	LT16ER18UNCB KC5010	D63
1712604	LT16ER18UNCB KC5025	D63
1712605	LT16ER20UNCB KC5010	D63
1712606	LT16ER20UNCB KC5025	D63
1712607	LT16ER24UNCB KC5010	D63
1712608	LT16ER24UNCB KC5025	D63
1712609	LT16ER28UNCB KC5010	D63
1712610	LT16ER28UNCB KC5025	D63
1712611	LT16ER32UNCB KC5010	D63
1712612	LT16ER32UNCB KC5025	D63
1712614	LT16ER11WCB KC5025	D65
1712615	LT16ER14WCB KC5010	D65
1712616	LT16ER14WCB KC5025	D65
1712617	LT16ER14NPTCB KC5010	D59
1712618	LT16ER14NPTCB KC5025	D59
1712620	LT16ER115NPTFCB KC5025	D60
1712661	LT16NR8UNCB KC5025	D75
1712663	LT16NR10UNCB KC5025	D75
1712664	LT16NR12UNCB KC5025	D75
1712665	LT16NR14UNCB KC5025	D75
1712666	LT16NR16UNCB KC5025	D75
1712667	LT16NR18UNCB KC5025	D75
1712668	LT16NR20UNCB KC5025	D75
1712669	LT16NR11WCB KC5025	D76
1712670	LT16NR14WCB KC5025	D76
1712671	LT16NR115NPTCB KC5025	D72
1712672	LT16NR14NPTCB KC5025	D72
1712711	SPHX1205ZCER-GP1W KC520M	S74
1712714	SPHX1205PCERGPB KC520M	S77
1712730	NG2M150LK KC5025	C147
1712734	NG2M150RK KC5025	C146
1712949	SPHX1205PCERGP4SB KC520M	S77
1712981	SPHX1205PCER-GP1WB KC520M	S78
1713203	DFT090508MD KC7140	J87
1713307	RCGT0803M0HP KC5410	B222
1713308	RCGT10T3M0HP KC5410	B222
1713310	RCGT0803M0HP KC5010	B222
1713351	RCGT10T3M0HP KC5010	B222
1713352	RCGT1204M0HP KC5010	B222
1713356	CPGT09T308LF KC5010	B189
1713359	VBGT110301LF KC5010	B264
1713402	840.142.200	K118–120
1713440	DFT070408MD KC7140	J87
1713512	DFT06T308MD KC7140	J87
1713513	DFT05T308MD KC7140	J87
1713515	DFT030304MD KC7140	J87
1713517	DFT030204MD KC7140	J87
1715530	841.142.250	K118–120
1721296	SPHX1205PCELGPB KCK15	S77
1723607	NG3094RK KC5010	C146
1723608	SPGT09T308LF KC5410	B238
1723693	LT16ER15ISO KC5010	D57
1723694	LT16ER125ISO KC5010	D57
1723695	LT16ER175ISO KC5010	D57
1723696	LT16ER20ISO KC5010	D57
1723697	LT16ER25ISO KC5010	D57
1723698	LT16ER30ISO KC5010	D57
1723726	LT16EL15ISO KC5010	D57
1724012	LT11NR15ISO KC5010	D70
1724013	LT16NR10ISO KC5010	D70
1724014	LT16NR15ISO KC5010	D70
1724031	LT16NR20ISO KC5010	D70
1724040	LT16NR30ISO KC5010	D70
1724291	LT16ER32UN KC5010	D62
1724292	LT16ER28UN KC5010	D62
1724293	LT16ER24UN KC5010	D62
1724294	LT16ER20UN KC5010	D62
1724295	LT16ER18UN KC5010	D62
1724296	LT16ER16UN KC5010	D62
1724297	LT16ER14UN KC5010	D62
1724298	LT16ER12UN KC5010	D62
1724299	LT11NR16UN KC5010	D74
1724300	LT16EL05ISO KC5025	D57
1724331	LT16NR12UN KC5010	D74
1724333	LT16EL075ISO KC5025	D57
1724334	LT16ER20UNJ KC5010	D63
1724335	LT16EL10ISO KC5025	D57
1724337	LT16ER18UNJ KC5010	D63
1724338	LT16ER16UNJ KC5010	D63
1724340	LT16ER14UNJ KC5010	D63
1724352	LT16EL125ISO KC5025	D57
1724354	LT16ER12UNJ KC5010	D63
1724356	LT16ER19W KC5010	D64
1724358	LT16EL15ISO KC5025	D57
1724360	LT16ER14W KC5010	D64
1724372	LT16EL175ISO KC5025	D57
1724373	LT16ER11W KC5010	D64
1724377	LT16EL20ISO KC5025	D57
1724392	LT16NR11W KC5010	D76
1724394	LT16EL25ISO KC5025	D57
1724398	LT16ER18NPT KC5010	D59
1724400	LT16EL30ISO KC5025	D57
1724401	LT16ER14NPT KC5010	D59
1724402	LT16ER115NPT KC5010	D59
1724403	LT11NR14NPT KC5010	D72
1724405	LT16NR115NPT KC5010	D72
1724406	LT16ERA60 KC5010	D53
1724408	LT22EL35ISO KC5025	D57
1724411	LT16ERAG60 KC5010	D53
1724412	LT16ERG60 KC5010	D53
1724414	LT11NRA60 KC5010	D66
1724415	LT16NRA60 KC5010	D66
1724418	LT16NRAG60 KC5010	D66
1724420	LT16NRG60 KC5010	D66
1724426	LT16ERAG55 KC5010	D52
1724437	LT11NL10ISO KC5025	D70
1724439	LT11NL15ISO KC5025	D70
1724494	LT16NL10ISO KC5025	D70
1724495	LT16ER10ISO KC5010	D57
1724497	LT16NL15ISO KC5025	D70
1724499	LT16NL20ISO KC5025	D70
1724524	LT16ER05ISO KC5025	D57
1724525	LT16NL25ISO KC5025	D70
1724526	LT16NL30ISO KC5025	D70
1724527	LT16ER075ISO KC5025	D57
1724562	LT16ER48UN KC5025	D62
1724563	LT16ER40UN KC5025	D62
1724564	LT16ER36UN KC5025	D62
1724565	LT16ER32UN KC5025	D62
1724566	LT16ER28UN KC5025	D62
1724734	LT16ER24UN KC5025	D62
1724735	LT16ER20UN KC5025	D62
1724736	LT16ER18UN KC5025	D62
1724737	LT16ER16UN KC5025	D62
1724738	LT16ER14UN KC5025	D62
1724834	LT16ER12UN KC5025	D62
1724835	LT16ER10UN KC5025	D62
1724836	LT16ER8UN KC5025	D62
1724878	NG3047RK KC5010	C146
1725015	LT16EL28UN KC5025	D62
1725017	LT16EL24UN KC5025	D62
1725018	LT16EL20UN KC5025	D62
1725053	LT16EL18UN KC5025	D62
1725054	LT16EL16UN KC5025	D62
1725055	LT16EL14UN KC5025	D62
1725056	LT16EL12UN KC5025	D62
1725058	LT16EL8UN KC5025	D62
1725060	LT11NR40UN KC5025	D74
1725108	LT16ER10ISO KC5025	D57
1725109	LT16ER125ISO KC5025	D57
1725110	LT16ER15ISO KC5025	D57
1725221	LT16ER175ISO KC5025	D57
1725222	LT16ER20ISO KC5025	D57
1725223	LT16ER25ISO KC5025	D57
1725224	LT16ER30ISO KC5025	D57
1725225	LT22ER35ISO KC5025	D57
1725461	LT22ER40ISO KC5025	D57
1725462	LT22ER45ISO KC5025	D57
1725463	LT22ER50ISO KC5025	D57
1725464	LT11NR05ISO KC5025	D70
1725465	LT11NR075ISO KC5025	D70
1725466	LT11NR10ISO KC5025	D70
1725467	LT11NR125ISO KC5025	D70
1725468	LT11NR15ISO KC5025	D70
1725469	LT11NR175ISO KC5025	D70
1725471	LT11NR20ISO KC5025	D70
1725472	LT16NR05ISO KC5025	D70
1725474	LT16NR075ISO KC5025	D70
1725475	LT16NR10ISO KC5025	D70
1725476	LT16NR125ISO KC5025	D70
1725477	LT16NR15ISO KC5025	D70
1725478	LT16NR175ISO KC5025	D70
1725511	LT16NR20ISO KC5025	D70
1725512	LT16NR25ISO KC5025	D70
1725513	LT16NR30ISO KC5025	D70
1725515	LT22NR35ISO KC5025	D70
1725516	LT22NR40ISO KC5025	D70
1725519	LT22NR45ISO KC5025	D70
1725520	LT22NR50ISO KC5025	D70
1727704	LT16NR8UN KC5025	D74
1730321	DFR020204LD KC7140	J84
1732924	MS1944	C39–40, C112–114
1743686	LT16EL8APIRD KC5025	D55
1743696	LT16EL16UNJ KC5025	D63
1743701	LT16ELA60 KC5025	D53
1743702	LT16ELAG60 KC5025	D53
1743703	LT16ELG60 KC5025	D53
1743704	LT22ELN60 KC5025	D53
1743706	LT16ELAG55 KC5025	D52
1743715	LT16EL14W KC5025	D64
1743717	LT16EL11W KC5025	D64
1743734	LT16ER32UNJ KC5025	D63
1743735	LT16ER28UNJ KC5025	D63
1743736	LT16ER24UNJ KC5025	D63
1743737	LT16ER20UNJ KC5025	D63
1743738	LT16ER18UNJ KC5025	D63
1743739	LT16ER16UNJ KC5025	D63
1743740	LT16ER14UNJ KC5025	D63
1743741	LT16ER12UNJ KC5025	D63
1743744	LT16ERA60 KC5025	D53
1743745	16ERAG60 KC5025	D53
1743746	LT16ERG60 KC5025	D53
1743747	LT22ERN60 KC5025	D53
1743748	LT16ERA55 KC5025	D52
1743749	LT16ERAG55 KC5025	D52
1743750	16ERG55 KC5025	D52
1743751	LT22ERN55 KC5025	D52
1743752	LT16ER28W KC5025	D64
1743753	LT16ER24W KC5025	D64
1743754	LT16ER20W KC5025	D64
1743755	LT16ER19W KC5025	D64
1743756	LT16ER18W KC5025	D64
1743757	LT16ER16W KC5025	D64
1743758	LT16ER14W KC5025	D64
1743759	LT16ER12W KC5025	D64
1743760	LT16ER11W KC5025	D64
1743761	LT16ER10W KC5025	D64
1743762	LT16ER9W KC5025	D64
1743763	LT16ER8W KC5025	D64
1743764	LT22ER7W KC5025	D64
1743765	LT22ER6W KC5025	D64
1743767	LT16ER14BSPT KC5025	D56
1743768	LT16ER11BSPT KC5025	D56
1743769	LT16ER27NPT KC5025	D59
1743770	LT16ER18NPT KC5025	D59
1743771	LT16ER14NPT KC5025	D59
1743772	LT16ER115NPT KC5025	D59
1743773	LT16ER8NPT KC5025	D59
1743774	LT16ER14NPTF KC5025	D60
1743775	LT16ER115NPTF KC5025	D60
1743776	LT16ER16ACME KC5025	D54
1743778	LT16ER12ACME KC5025	D54
1743779	LT16ER10ACME KC5025	D54
1743780	LT16ER8ACME KC5025	D54
1743781	LT22ER6ACME KC5025	D54
1743782	LT22ER5ACME KC5025	D54
1743783	LT16ER16STACME KC5025	D61
1743785	LT16ER12STACME KC5025	D61
1743786	LT16ER10STACME KC5025	D61
1743787	LT16ER8STACME KC5025	D61
1743788	LT16ER6STACME KC5025	D61
1743789	LT22ER5STACME KC5025	D61
1743791	LT16ER2TR KC5025	D61
1743792	LT16ER3TR KC5025	D61
1743793	LT22ER4TR KC5025	D61
1743794	LT22ER5TR KC5025	D61
1743796	LT16ER8RD KC5025	D60
1743797	LT22ER6RD KC5025	D60
1743798	LT16ER10APIRD KC5025	D55
1743799	LT16ER8APIRD KC5025	D55
1743800	LT22ER4API382 KC5025	D55
1743803	LT22ER4API502 KC5025	D55
1743805	LT22ER5BUT75 KC5025	D56
1743810	LT11NL32UN KC5025	D74
1743824	LT16NL16UN KC5025	D74
1743826	LT16NL12UN KC5025	D74
1743827	LT16NL10UN KC5025	D74
1743829	LT11NLA60 KC5025	D66
1743830	LT16NLA60 KC5025	D66
1743831	LT16NLAG60 KC5025	D66
1743832	LT16NLG60 KC5025	D66
1743833	LT22NLN60 KC5025	D66
1743847	LT16NL11W KC5025	D76
1743899	LT11NR32UN KC5025	D74
1743900	LT11NR28UN KC5025	D74
1743901	LT11NR24UN KC5025	D74
1743902	LT11NR20UN KC5025	D74
1743903	LT11NR18UN KC5025	D74
1743904	LT11NR16UN KC5025	D74
1743908	LT16NR32UN KC5025	D74
1743909	LT16NR28UN KC5025	D74
1743910	LT16NR24UN KC5025	D74
1743921	LT16NR20UN KC5025	D74
1743922	LT16NR18UN KC5025	D74
1743923	LT16NR16UN KC5025	D74
1743924	LT16NR14UN KC5025	D74
1743925	LT16NR12UN KC5025	D74
1743926	LT16NR10UN KC5025	D74
1743927	LT11NRA60 KC5025	D66
1743928	LT16NRA60 KC5025	D66
1743929	LT16NRAG60 KC5025	D66
1743930	LT16NRG60 KC5025	D66
1743931	LT22NRN60 KC5025	D66
1743932	LT11NRA55 KC5025	D65
1743933	LT16NRA55 KC5025	D65
1743934	LT16NRAG55 KC5025	D65
1743935	LT16NRG55 KC5025	D65
1743936	LT22NRN55 KC5025	D65
1743937	LT11NR19W KC5025	D76
1743938	LT11NR14W KC5025	D76
1743939	LT16NR20W KC5025	D76
1743940	LT16NR19W KC5025	D76
1743942	LT16NR16W KC5025	D76
1743943	LT16NR14W KC5025	D76
1743944	LT16NR12W KC5025	D76
1743945	LT16NR11W KC5025	D76
1743946	LT16NR10W KC5025	D76
1743948	LT16NR8W KC5025	D76
1743949	LT22NR7W KC5025	D76
1743962	LT11NR14BSPT KC5025	D69
1743963	LT16NR14BSPT KC5025	D69
1743964	LT16NR11BSPT KC5025	D69
1743966	LT11NR18NPT KC5025	D72
1743967	LT11NR14NPT KC5025	D72
1743970	LT16NR14NPT KC5025	D72
1743971	LT16NR115NPT KC5025	D72
1743972	LT16NR8NPT KC5025	D72
1743973	LT11NR14NPTF KC5025	D72
1743974	LT16NR14NPTF KC5025	D72
1743978	LT16NR12ACME KC5025	D68
1743979	LT16NR10ACME KC5025	D68
1743980	LT16NR8ACME KC5025	D68
1743981	LT22NR6ACME KC5025	D68
1743982	LT22NR5ACME KC5025	D68
1743983	LT16NR16STACME KC5025	D73
1743984	LT16NR14STACME KC5025	D73
1743985	LT16NR12STACME KC5025	D73
1743986	LT16NR10STACME KC5025	D73
1743987	LT16NR8STACME KC5025	D73
1743988	LT16NR6STACME KC5025	D73
1743991	LT16NR2TR KC5025	D73

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1743992	LT16NR3TR KC5025	D73
1743993	LT22NR4TR KC5025	D73
1743994	LT22NR5TR KC5025	D73
1743996	LT16NR8RD KC5025	D73
1743997	LT22NR6RD KC5025	D73
1743998	LT16NR10APIRD KC5025	D69
1743999	LT16NR8APIRD KC5025	D69
1744000	LT22NR4API382 KC5025	D68
1744002	LT22NR5API403 KC5025	D68
1744003	LT22NR4API502 KC5025	D68
1744005	LT22NR5BUT75 KC5025	D69
1744006	LT22NR5BUT1 KC5025	D69
1744444	KUAM33	B119, B141, C171, D41–42
1744665	NG3094R KC5010	C154
1746442	CTFPR12CA16	B378
1747635	DCGT070202HP KC5010	B206
1748698	NG3062RK KC5010	C146
1749102	KSEM321R3WD50M	H60
1749103	KSEM330R3WD50M	H60
1749106	KSEM340R3WD50M	H60
1749109	KSEM350R3WD50M	H60
1749110	KSEM360R3WD50M	H60
1749131	KSEM361R3WD50M	H60
1749132	KSEM370R3WD50M	H60
1749133	KSEM380R3WD50M	H60
1749207	CV50RMHTS27M394	J79
1749208	CV50RMHTS32M394	J79
1749210	CV50RMHTS40M413	J79
1749263	CV50BHTS13M295	J79
1749264	CV50BHTS16M295	J79
1749266	CV50BHTS22M295	J79
1749273	CV50RMHTS50M413	J79
1749281	BT50BHTS22075M	J80
1749285	BT50BHTS32080M	J80
1749286	BT50BHTS40080M	J80
1749287	BT50BHTS50080M	J80
1749428	CV50BHTS27M295	J79
1749429	CV50BHTS32M314	J79
1749430	CV50BHTS40M314	J79
1749461	CV50BHTS50M314	J79
1749491	CV50RMHTS13M394	J79
1749492	CV50RMHTS16M394	J79
1749493	CV50RMHTS22M394	J79
1749607	KSEM390R3WD50M	H60
1749610	KSEM400R3WD50M	H60
1749648	DFR020204GD KC7140	J84
1749718	420.060	S68, S143–147
1750433	B411A07700 KF1	G100
1752626	420.200	S10, S14, S17, S21, S25, S32, S34, S48, S53, S68, S72, S76, S79, S82, S102–103, S132, S143–144, S146, T17, T50, T72
1752628	420.100	S72, S76, S102–103, S143–144, S146
1752629	420.120	S68, S76, S79, S82, S102–103, S143–144, S146–147
1752630	420.160	S32, S34, S68, S72, S76, S79, S82, S143–144, S146
1753934	B411A08700 KF1	G100
1754251	DFR165R2WD32M	J10
1757331	63A04RP90BG15C1WPM	S144
1758493	50A03RP90BG15CPM	S144
1758495	80A05RP90BG15C1WPM	S144
1758496	100B06RP90BG15C2WPM	S144
1758497	125B08RP90BG15C2WPM	S144
1758498	160C10RP90BG15C2WPM	S144
1758499	200C12RP90BG15C3WPM	S144
1758500	250C16RP90BG15C4WPM	S144
1758572	80A06RP90BG15C2WPM	S144
1758573	100B08RP90BG15C2WPM	S144
1758574	125B10RP90BG15C2WPM	S144
1758580	50A03R049A32PBG15S3WHPM	S145
1758592	63A04RP90BG15C4WHPM	S146
1758593	80A05RP90BG15C5WHPM	S146
1762261	B411A05600 KF1	G100
1762299	NG3062LK KC5010	C148
1762369	100B06RP90BG15C6WHPM	S146
1762370	125B08RP90BG15C8WHPM	S146
1762381	NG3125RK KC5010	C147
1762451	160C10RP90BG15C10WHPM	S146
1763116	HSK63ASVS4B139M	K80
1763118	HSK63ASVS5B139M	K80
1763375	KM50SVS4B125M	K80
1763376	KM63SVS4B110M	K80
1763378	KM50SVS5B125M	K80
1763379	KM63SVS5B110M	K80
1763382	KM80SVS6B150M	K80
1764146	NG4250LK KC5010	C148
1764148	NG4250LK KC5025	C148
1764575	NTP3L KC5010	D24
1764576	NTP3L KC5025	D24
1765641	NTC3R8E KC5010	D22
1765732	NTC3R8E KC5025	D22
1765733	NTC3R12E KC5010	D22
1765734	NTC3R12E KC5025	D22
1770917	NT3LCK KC5010	D21
1771602	NG3125RK KT315	C147
1772152	SCLCRF0808M06Q	B181
1772157	SDJCRF0808M07Q	B211
1772159	SDACR1212M11Q	B209
1772160	SDACL1212M11Q	B209
1772173	SDPCN1212M11Q	B212
1772197	STJCRF1212M11Q	B248
1772198	STJCLF1212M11Q	B248
1772222	D25MTTB400	B386
1772223	D32MTTB447	B386
1772224	D40MTTB530	B386
1772230	D50MTTB700	B386
1772253	H32SCLCR09	B183
1772255	H25SDUCR11	B213
1772256	H25SDUCL11	B213
1772257	H32SDUCR11	B213
1772258	H32SDUCL11	B213
1772747	KSEM125R5WN16M	H59
1772748	KSEM140R5WN16M	H59
1772749	KSEM150R5WN20M	H59
1773924	360.637	I26
1774499	KSEM125R3WN16M	H59
1775033	NG3125RK KC5025	C147
1775034	NG3125LK KC5010	C148
1775035	NG3125LK KC5025	C148
1775036	NG3047RK KC5025	C146
1775037	NG3062RK KC5025	C146
1775478	CM72LP	C166, C168–169, C171, D28–30, D36, D41–42
1775479	CM73LP	C166, C168–169, D28–30, D36
1777658	100B08RP90SP15C2WFP	S82
1777661	100B09RP70SP15C2WFP	S79
1777860	CNMG120408MP KC5025	B51
1779401	193.337	S145–146
1781755	TK01338D	E54
1781756	TK01339D	E54
1782505	VCGR160402 KC5410	E34
1782709	50A03R060S63PBG15S3WHSM	S147
1782711	80A05R090S63PBG15S5WHSM	S147
1782830	VPGP443K KC5410	B144
1782831	TPGT090204LF KC5410	B254
1782896	RCMT120400 KC5010	B224
1782902	CNMG120404FW KT315	B49
1783133	CNMG120408FW KT315	B49
1783134	CNMG120412FW KT315	B49
1783135	DNMG110404FW KT315	B78
1783136	DNMG110408FW KT315	B78
1783137	DNMG150404FW KT315	B78
1783138	DNMG150408FW KT315	B78
1783141	WNMG060404FW KT315	B156
1783142	WNMG060408FW KT315	B156
1783143	WNMG080404FW KT315	B156
1783144	WNMG080408FW KT315	B156
1783152	CNMG120404FW KC5010	B49
1783233	CNMG120408FW KC5010	B49
1783234	CNMG120412FW KC5010	B49
1783237	DNMG150404FW KC5010	B78
1783273	WNMG060408FW KC5010	B156
1783275	WNMG080408FW KC5010	B156
1784381	SHVBR0635M	S147
1785086	NG2M300RK KC5025	C146
1785474	DCGT070204HP KC5010	B206
1785475	DCGT070208HP KC5010	B206
1785477	CCGT060208HP KC5010	B175
1785478	CPGT060208HP KC5010	B188
1785479	CCGT09T308HP KC5010	B175
1785480	CPGT09T308HP KC5010	B188
1785481	TCGT110208HP KC5010	B243
1785482	TPGT110208HP KC5010	B254
1785501	NG2M300LK KC5025	C148
1785713	VBGT160404HP KC5010	B264
1785714	VBGT160408HP KC5010	B264
1785715	CNGP120401 KC5410	B46
1785716	CNGP120402 KC5410	B46
1785717	CNGP120404 KC5410	B46
1785718	CNGP120408 KC5410	B46
1785719	CNGP120412 KC5410	B46
1785733	DNGP150404 KC5410	B74
1785734	DNGP150408 KC5410	B74
1785735	DNGP150604 KC5410	B74
1785740	TNGP160404 KC5410	B122
1785741	TNGP160408 KC5410	B122
1785746	VNGP160401 KC5410	B143
1785747	VNGP160402 KC5410	B143
1785748	CPGT060202HP KC5410	B188
1785749	CPGT060204HP KC5410	B188
1785750	CPGT060208HP KC5410	B188
1785752	CPGT09T308HP KC5410	B188
1785753	DCGT070208HP KC5410	B206
1785756	TPGT110208HP KC5410	B254
1787513	WNGX080712T02020 KY3500	B298
1791528	410.084	E17–18, S79, S82
1792258	KSEM125R1WN16M	H58
1792259	KSEM136R1WN16M	H58
1792260	KSEM146R1WN20M	H58
1792262	KSEM130R3WN16M	H59
1792293	KSEM135R3WN16M	H59
1792294	KSEM136R3WN16M	H59
1792295	KSEM140R3WN16M	H59
1792296	KSEM145R3WN20M	H59
1792297	KSEM146R3WN20M	H59
1792298	KSEM150R3WN20M	H59
1792299	KSEM155R3WN20M	H59
1792301	KSEM130R5WN16M	H59
1792302	KSEM136R5WN16M	H59
1792323	KSEM135R5WN16M	H59
1792325	KSEM145R5WN20M	H59
1792326	KSEM146R5WN20M	H59
1792328	KSEM155R5WN20M	H59
1792632	NR3047RK KC5010	C150
1792683	NR3047RK KC5025	C150
1792684	NR3062RK KC5010	C150
1792685	NR3062RK KC5025	C150
1793315	NG3110R KC5025	C154
1794406	NG3M225RK KC5025	C146
1794630	BGHX15L5PCFRGG K110M	S148
1794631	BGHX15L5PCFRGG KC510M	S148
1794653	BGHX15L5PCTRGG K110M	S148
1794655	BGHX15L5PCTRGG KC510M	S148
1794656	BGHX15L5PCFRGG1W K110M	S149
1794657	BGHX15L5PCFRGG1W KC510M	S149
1794659	BGHX15L5PCTRGG1W K110M	S149
1794660	BGHX15L5PCTRGG1W KC510M	S149
1795217	80A05RP90SP15C1WFP	S82
1795286	160C10RP90SP15C2WFP	S82
1795288	200C12RP90SP15C2WFP	S82
1795485	BGHX15L5PCERGGT KD1410	S148
1795486	BGHX15L5PCERGGT KD1415	S148
1795785	NT2RK KC5025	D24
1795786	NT2LK KC5025	D24
1795787	NT3RK KC5025	D24
1795788	NT3LK KC5025	D24
1795789	NT4RK KC5025	D24
1795790	NT4LK KC5025	D24
1795791	NTF2R KC5025	D23
1795792	NTF2L KC5025	D23
1795793	NTF3R KC5025	D23
1795794	NTF3L KC5025	D23
1795795	NTK2R KC5025	D23
1795796	NTK2L KC5025	D23
1795797	NJP3014R12 KC5025	D18
1795799	NJP3010R16 KC5025	D18
1795800	NJP3010L16 KC5025	D18
1795801	NA3R4 KC5025	D12
1795802	NA3L4 KC5025	D12
1795809	364.016	H58–59, H61, H63, H98
1795810	364.017	H58–59, H61, H63
1795811	170.289	H58, H65
1795956	170.290	H65
1795960	170.291	H65
1796047	NT2L KC5010	D19
1796048	NT2L KC5025	D19
1796049	NT2R KC5010	D19
1796050	NT2R KC5025	D19
1796051	NT3R KC5010	D19
1796052	NT3R KC5025	D19
1796083	NT3L KC5010	D19
1796084	NT3L KC5025	D19
1796085	NT4L KC5010	D19
1796086	NT4L KC5025	D19
1796087	NT4R KC5010	D19
1796088	NT4R KC5025	D19
1796090	NTP2R KC5010	D24
1796091	NTP2R KC5025	D24
1796103	NTP2L KC5010	D24
1796104	NTP2L KC5025	D24
1796105	NTP3R KC5010	D24
1796106	NTP3R KC5025	D24
1796107	NTP3R KC5410	D24
1796109	NTP4R KC5010	D24
1796110	NTP4R KC5025	D24
1796112	NTP4L KC5010	D24
1796113	NTP4L KC5025	D24
1796115	NT2RK KC5010	D24
1796116	NT2LK KC5010	D24
1796117	NT3RK KC5010	D24
1796118	NT3LK KC5010	D24
1796119	NT4RK KC5010	D24
1796120	NT4LK KC5010	D24
1796121	NT3RCK KC5010	D21
1796122	NT3RCK KC5025	D21
1796133	NT3LCK KC5025	D21
1796134	NT4RCK KC5010	D21
1796135	NT4RCK KC5025	D21
1796137	NT4LCK KC5025	D21
1796138	NTF2R KC5010	D23
1796139	NTF2L KC5010	D23
1796140	NTF3R KC5010	D23
1796141	NTF3L KC5010	D23
1796153	NTF4R KC5025	D23
1796156	NTK2R KC5010	D23
1796157	NTK2L KC5010	D23
1796158	NTK3R KC5010	D23
1796159	NTK3R KC5025	D23
1796160	NTK3L KC5010	D23
1796161	NTK3L KC5025	D23
1796176	NJP3020R8 KC5010	D18
1796177	NJP3020R8 KC5025	D18
1796179	NJP3020L8 KC5025	D18
1796180	NJP3014R12 KC5010	D18
1796181	NJP3014L12 KC5010	D18
1796182	NJP3010R16 KC5010	D18
1796194	NJF3012R14 KC5010	D17
1796195	NJF3012R14 KC5025	D17
1796198	NJF3010R16 KC5010	D17
1796199	NJF3010R16 KC5025	D17
1796200	NJF3010L16 KC5010	D17
1796202	NJF3009R18 KC5010	D17
1796203	NJF3009R18 KC5025	D17
1796331	NJF3008R20 KC5010	D17
1796332	NJF3008R20 KC5025	D17
1796393	NJF3008L20 KC5010	D17
1796395	NJF3007R24 KC5010	D17
1796396	NJF3007R24 KC5025	D17
1796397	NJF3007L24 KC5010	D17
1796399	NJF3006R28 KC5010	D17
1796400	NJF3006R28 KC5025	D17
1796403	NJF3005R32 KC5010	D17
1796407	NJK3012R14 KC5010	D18
1796408	NJK3012R14 KC5025	D18
1796411	NJK3010R16 KC5010	D18
1796412	NJK3010R16 KC5025	D18
1796425	NJK3009R18 KC5010	D18
1796426	NJK3009R18 KC5025	D18

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1796429	NJK3008R20 KC5010	D18
1796430	NJK3008R20 KC5025	D18
1796443	NJK3007R24 KC5010	D18
1796446	NJK3007R24 KC5025	D18
1796449	NJK3006R28 KC5010	D18
1796452	NJK3006L28 KC5025	D18
1796473	NJK3005R32 KC5010	D18
1796474	NJK3005R32 KC5025	D18
1796476	NJK3005L32 KC5025	D18
1796497	NA3R12 KC5025	D12
1796499	NA3L12 KC5010	D12
1796500	NA3L12 KC5025	D12
1796501	NA3R10 KC5010	D12
1796502	NA3R10 KC5025	D12
1796504	NA3L10 KC5025	D12
1796505	NA3R8 KC5010	D12
1796506	NA3R8 KC5025	D12
1796507	NA3L8 KC5010	D12
1796508	NA3L8 KC5025	D12
1796509	NA3R6 KC5010	D12
1796510	NA3R6 KC5025	D12
1796511	NA3L6 KC5010	D12
1796512	NA3L6 KC5025	D12
1796514	NA3R5 KC5010	D12
1796515	NA3R5 KC5025	D12
1796516	NA3L5 KC5010	D12
1796517	NA3L5 KC5025	D12
1796518	NA3R4 KC5010	D12
1796519	NA3L4 KC5010	D12
1796520	NAS3R16 KC5025	D13
1796524	NAS3R12 KC5025	D13
1796525	NAS3L12 KC5025	D13
1796526	NAS3R10 KC5010	D13
1796527	NAS3R10 KC5025	D13
1796529	NAS3L10 KC5025	D13
1796530	NAS3R8 KC5010	D13
1796531	NAS3R8 KC5025	D13
1796532	NAS3L8 KC5010	D13
1796543	NAS3L8 KC5025	D13
1796544	NAS3R6 KC5010	D13
1796545	NAS3R6 KC5025	D13
1796546	NAS3L6 KC5010	D13
1796547	NAS3L6 KC5025	D13
1796549	NAS3R5 KC5025	D13
1796551	NAS3L5 KC5025	D13
1796552	NJ3020R8 KC5010	D17
1796553	NJ3020R8 KC5025	D17
1796555	NJ3020L8 KC5025	D17
1796556	NJ3014R12 KC5010	D17
1796557	NJ3014R12 KC5025	D17
1796558	NJ3014L12 KC5010	D17
1796559	NJ3014L12 KC5025	D17
1796561	NJ3010R16 KC5025	D17
1796583	NJ3010L16 KC5025	D17
1796705	470.232	S10, S14, S17, S21, S25, S32, S34, S48, S53, S68, S72, S76, S79, S82, S102–103, S143–144, S146, T50, T72
1796707	470.233	S17, S21, S25, S32, S34, S48, S53, S68, S72, S76, S79, S82, S102–103, S143–144, S146, T17, T50, T72
1796708	470.234	S21, S25, S34, S68, S72, S76, S79, S82, S102, S144, S146
1796709	470.235	S21, S25, S34, S68, S144
1796710	470.236	S21, S25
1797157	KSEM125R7WN16M	H61
1797158	KSEM130R7WN16M	H61
1797159	KSEM135R7WN16M	H61
1797160	KSEM136R7WN16M	H61
1797161	KSEM140R7WN16M	H61
1797162	KSEM145R7WN20M	H61
1797183	40A02RP90BG15CPM	S144
1797203	KSEM146R7WN20M	H61
1797204	KSEM150R7WN20M	H61
1797205	KSEM155R7WN20M	H61
1797206	KSEM125R10WN16M	H61
1797207	KSEM130R10WN16M	H61
1797208	KSEM135R10WN16M	H61
1797209	KSEM136R10WN16M	H61
1797210	KSEM140R10WN16M	H61
1797211	KSEM145R10WN20M	H61
1797212	KSEM146R10WN20M	H61
1797233	KSEM150R10WN20M	H61
1797234	KSEM155R10WN20M	H61
1797235	SCFPR10CA09	B199
1798199	160C10RP70SP15C2WFP	S79
1798200	200C12RP70SP15C2WFP	S79
1798604	80A06RP90SP15C1WFP	S82
1798605	125B10RP90SP15C2WFP	S82
1798920	A1010LSER11	D81
1798921	A1616LSER16	D81
1798922	A4040LSER22	D81
1798962	DFR170R3WD32M	J11
1798979	A1010LSEL11	D81
1798980	A1616LSEL16	D81
1799053	DFR180R3WD32M	J11
1799055	DFR200R3WD32M	J11
1799056	DFR210R3WD25M	J11
1799059	DFR220R3WD25M	J11
1799093	A4040LSEL22	D81
1799238	NT1L KC5010	D25
1799239	NT1L KC5025	D25
1799241	NTC3R7E KC5025	D22
1799363	NTC3L8E KC5010	D22
1799366	NTC3L8I KC5025	D20
1799369	NTC3R10E KC5010	D22
1799370	NTC3R10E KC5025	D22
1799384	NTC3L10I KC5025	D20
1799386	NTC3R11E KC5025	D22
1799389	NTC3R12I KC5025	D20
1799390	NTC3L12I KC5025	D20
1799391	NTC3R13E KC5010	D22
1799392	NTC3R13E KC5025	D22
1799393	NTC3R14E KC5010	D22
1799394	NTC3R14E KC5025	D22
1799398	NTC3L14I KC5025	D20
1799399	NTC3R16E KC5010	D22
1799400	NTC3R16E KC5025	D22
1799404	NTC3L16I KC5025	D20
1799405	NTC3R18E KC5010	D22
1799406	NTC3R18E KC5025	D22
1799409	NTC3R20E KC5010	D22
1799410	NTC3R20E KC5025	D22
1799413	NTC3R24E KC5010	D22
1799414	NTC3R24E KC5025	D22
1799416	NTC3R28E KC5025	D22
1799418	NTC3R32E KC5025	D22
1799439	NA4R6 KC5025	D12
1799441	NA4L6 KC5025	D12
1799443	NA4R5 KC5025	D12
1799445	NA4L5 KC5025	D12
1799446	NA4R4 KC5010	D12
1799447	NA4R4 KC5025	D12
1799449	NA4L4 KC5025	D12
1799450	NA6R2 KC5010	D12
1799451	NA6R2 KC5025	D12
1799452	NA6L2 KC5010	D12
1799463	NA6L2 KC5025	D12
1799465	NA6R25 KC5025	D12
1799469	NA6R3 KC5025	D12
1799471	NA6L3 KC5025	D12
1799483	NDC38VR75 KC5010	D16
1799484	NDC38VL75 KC5010	D16
1799485	NDC3115VR75 KC5010	D16
1799486	NDC3115VL75 KC5010	D16
1799490	NDC88VR75M KC5010	D16
1799491	NDC88VL75M KC5010	D16
1799497	NTU4R KC5025	D24
1799500	NWC3R11E KC5010	D25
1799501	NWC3R11E KC5025	D25
1799502	NWC3L11I KC5025	D25
1799503	NWC3R14E KC5010	D25
1799507	ND3040R KC5025	D14
1799511	ND3038R KC5025	D14
1799513	ND3038L KC5025	D14
1799521	NDC3040R3 KC5025	D14
1799522	NDC3040L3 KC5010	D14
1799525	NDC4038R2 KC5025	D14
1799527	NDC4038L2 KC5025	D14
1799529	NDC4040R3 KC5025	D14
1799553	NDC4050R2 KC5025	D14
1799555	NDC4050L2 KC5025	D14
1799557	NDC4050R3 KC5025	D14
1799560	NDC38RDR75 KC5010	D15
1799561	NDC38RDR75 KC5025	D15
1799562	NDC38RDL75 KC5010	D15
1799563	NDC38RDL75 KC5025	D15
1799565	NDC310RDR75 KC5025	D15
1799567	NDC310RDL75 KC5025	D15
1799576	NTB3RA KC5025	D19
1799577	NTB3LA KC5010	D19
1799578	NTB3LA KC5025	D19
1799583	NTB2RB KC5010	D20
1799585	NTB2LB KC5010	D20
1799587	NTB3RB KC5010	D20
1799588	NTB3RB KC5025	D20
1799589	NTB3LB KC5010	D20
1799591	NTB3LB KC5025	D20
1799603	NTB4RB KC5010	D20
1799604	NTB4RB KC5025	D20
1799605	NTB4LB KC5010	D20
1799606	NTB4LB KC5025	D20
1799693	DFR190R2WD32M	J10
1799695	DFR220R3WD32M	J11
1800067	BGHX15L5PCERGGT1W KD1415	S149
1801017	NG3M400LK KC5025	C148
1801125	3.41020R900STF CS5	I16
1801126	3.41220R900STF CS5	I16
1801129	3.41220R900SF KMF	I16
1801779	NR3031R KC5010	C158
1801793	NG3047R KC5010	C154
1802547	CCMT09T304MW KT315	B178
1802549	CCMT09T308MW KT315	B178
1802551	WNGG080408LF KC5010	B154
1802564	CCMT09T304MW KC5010	B178
1802566	CCMT09T308MW KC5010	B178
1802567	CPMT09T308MW KC5010	B191
1802568	CCMT120404MW KC5010	B178
1802569	CCMT120408MW KC5010	B178
1802594	80A07RP70SP15C1WFP	S79
1802595	125B12RP70SP15C2WFP	S79
1802596	160C16RP70SP15C4WFP	S79
1802810	SPHX15T6PCERGP KCK15	S83
1802813	CCMT060202FW KT315	B176
1802843	CPMT060202FW KT315	B189
1802844	CCMT060204FW KT315	B176
1802845	CPMT060204FW KT315	B189
1802846	CCMT060208FW KT315	B176
1802886	SPHX15T6PCERGP4S KCK15	S83
1802893	SPHX15T6PCFRGN1W KCK15	S84
1802971	CPMT060208FW KT315	B189
1802983	CCMT09T304FW KT315	B176
1802984	CPMT09T304FW KT315	B189
1802986	CCMT09T308FW KT315	B176
1802991	CPMT09T308FW KT315	B189
1802992	CCMT060202FW KC5010	B176
1803013	CPMT060202FW KC5010	B189
1803014	CCMT060204FW KC5010	B176
1803015	CPMT060204FW KC5010	B189
1803016	CCMT060208FW KC5010	B176
1803018	CPMT060208FW KC5010	B189
1803020	CCMT09T304FW KC5010	B176
1803021	CPMT09T304FW KC5010	B189
1803022	CCMT09T308FW KC5010	B176
1803023	CPMT09T308FW KC5010	B189
1803284	NTC3MR150E KC5010	D21
1803285	NTC3MR150E KC5025	D21
1803292	NTC3MR200E KC5010	D21
1803924	NG2062L KC5025	C155
1803995	H50LSER16	D82
1803997	H40LSER22	D82
1803999	H50LSER22	D82
1804265	SPHX1205ZCELGP KC520M	S73
1804638	NG2062L KC5010	C155
1804784	DFT05T308HP KMF	J87
1804785	DFT06T308HP KMF	J87
1804790	DFT070408HP KMF	J87
1804791	DFT090508HP KMF	J87
1804829	DFT05T308HP KC7140	J87
1804830	DFT06T308HP KC7140	J87
1804832	DFT070408HP KC7140	J87
1805013	DFT090508HP KC7140	J87
1805750	F3AA0300AWS45 K600	P121
1805808	F3BA0600BWS40 K600	P123
1805825	F3BA0800BWM40C160 K600	P124
1805929	F3AA0400AWS45 K600	P121
1805930	F3AA0500AWS45 K600	P121
1805931	F3AA0600AWS45 K600	P121
1805932	F3AA0800AWM45 K600	P121
1805983	F3AA1000AWL45 K600	P121
1805984	F3AA1200AWL45 K600	P121
1805985	F3AA1400AWL45 K600	P121
1805986	F3AA1600AWL45 K600	P121
1805987	F3AA1800AWL45 K600	P121
1805988	F3AA2000AWX45 K600	P121
1806435	DFR030204GD KC7140	J84
1806437	DFR040304GD KC7140	J84
1807047	F3BA0800BWM40 K600	P123
1807048	F3BA1000BWM40 K600	P123
1807049	F3BA1200BWL40 K600	P123
1807050	F3BA1600BWL40 K600	P123
1807051	F3BA2000BWX40 K600	P123
1807052	F3BA2500BWX40 K600	P123
1807220	CCGT09T304LF KC5410	B175
1807346	F3BA1000BWM40C220 K600	P124
1807347	F3BA1200BWL40C260 K600	P124
1807348	F3BA1600BWL40C320 K600	P124
1807349	F3BA2000BWX40C380 K600	P124
1807350	F3BA2500BWX40C450 K600	P124
1808487	NG2031RK KC5010	C146
1808488	NG4189RK KC5010	C147
1808491	NR3047LK KC5025	C150
1808583	NGD3125RK KC5025	C149
1809057	HSK100AHTS40085M	J81
1809059	HSK100AHTS50090M	J81
1810334	DFR170R2WD32M	J10
1810335	DFR175R2WD32M	J10
1810336	DFR180R2WD32M	J10
1810337	DFR185R2WD32M	J10
1810338	DFR195R2WD32M	J10
1810339	DFR200R2WD32M	J10
1810340	DFR205R2WD32M	J10
1810341	DFR210R2WD32M	J10
1810342	DFR220R2WD32M	J10
1810363	DFR230R2WD32M	J10
1810364	DFR240R2WD32M	J10
1810365	DFR165R3WD32M	J11
1810366	DFR175R3WD32M	J11
1810367	DFR185R3WD32M	J11
1810368	DFR190R3WD32M	J11
1810369	DFR195R3WD32M	J11
1810370	DFR205R3WD32M	J11
1810371	DFR210R3WD32M	J11
1810372	DFR230R3WD32M	J11
1810373	DFR240R3WD32M	J11
1816891	LT11NR14UNJ KC5025	D75
1816983	LT11NR16UNJ KC5025	D75
1816990	LT11NR18UNJ KC5025	D75
1817050	LT16NR16UNJ KC5025	D75
1817054	LT16NR12UNJ KC5025	D75
1817487	LT22ER5API403 KC5010	D55
1817512	LT22ER4API502 KC5010	D55
1817533	LT22ER4API503 KC5010	D55
1817570	NF3125LK KC5025	C159
1817571	NF3125RK KC5025	C159
1817572	CNMG120404FP KC5010	B49
1817588	NFD3125LK KC5025	C160
1817614	CNMG120408FP KC5010	B49
1817616	DNMG110404FP KC5010	B77
1817617	DNMG110408FP KC5010	B77
1817618	NG3189RK KC5025	C147
1817619	NG3M100LK KC5025	C148
1817620	NG3M100RK KC5025	C146
1817623	NG3M120LK KC5025	C148
1817626	NG3M120RK KC5025	C146
1817627	NG3M150LK KC5025	C148
1817629	NG3M150RK KC5025	C146
1817630	NG3M175LK KC5025	C148
1817631	NG3M175RK KC5025	C146
1817632	NG3M200LK KC5025	C148
1817635	NG3M200RK KC5025	C146
1817636	NG3M220LK KC5025	C148
1817637	NG3M220RK KC5025	C146
1817640	NG3M225RK KC5010	C146
1817658	NFD3125RK KC5025	C160

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1817659	NFD3125RKI KC5025	C160
1817662	NFD4189LK KC5025	C160
1817667	420.080	S143–144
1817675	NG3M250LK KC5025	C148
1817676	NG3M250RK KC5025	C146
1817678	NG3M275LK KC5025	C148
1817679	NG3M275RK KC5010	C147
1817680	NG3M275RK KC5025	C147
1817681	NG3M300LK KC5010	C148
1817682	NG3M300LK KC5025	C148
1817699	NG1047L KC5025	C155
1817700	NG1062L KC5025	C155
1817702	NG1094L KC5025	C155
1817703	NG3M300RK KC5010	C147
1817704	NG3M300RK KC5025	C147
1817705	NG3M320LK KC5025	C148
1817706	NG3M320RK KC5025	C147
1817707	NG3M325LK KC5025	C148
1817708	NG3M325RK KC5025	C147
1817709	NG3M350LK KC5025	C148
1817710	NG3M350RK KC5025	C147
1817713	NG2031LK KC5010	C147
1817718	NG2031LK KC5025	C147
1817719	NG2031RK KC5025	C146
1817720	NG2041L KC5025	C155
1817721	NG2041R KC5025	C154
1817722	NG2047LK KC5010	C147
1817740	NG3M400RK KC5010	C147
1817741	NG3M400RK KC5025	C147
1817965	NG3M425RK KC5025	C147
1817970	NG4125RK KC5010	C147
1817972	NG4189LK KC5010	C148
1817975	NG2047LK KC5025	C147
1817977	NG2047RK KC5010	C146
1817979	NG2047RK KC5025	C146
1817993	NG4189LK KC5025	C148
1817994	NG4189RK KC5025	C147
1818000	NG4250RK KC5010	C147
1818001	NG4250RK KC5025	C147
1818003	NG2058R KC5025	C154
1818005	NG2062LK KC5010	C147
1818006	NG2062LK KC5025	C147
1818007	NG2062RK KC5010	C146
1818008	NG2062RK KC5025	C146
1818009	NG2094LK KC5010	C147
1818010	NG2094LK KC5025	C147
1818011	NG2094RK KC5010	C146
1818037	NG2094RK KC5025	C146
1818039	NG2125LK KC5010	C148
1818041	NG2125LK KC5025	C148
1818042	NG2125RK KC5010	C146
1818050	NG4M400RK KC5010	C147
1818051	NG4M400RK KC5025	C147
1818052	NG4M450LK KC5025	C148
1818054	NG4M500LK KC5010	C148
1818073	NG2125RK KC5025	C146
1818075	NG2M080LK KC5025	C147
1818077	NG2M080RK KC5025	C146
1818078	NG2M100LK KC5010	C147
1818079	NG2M100LK KC5025	C147
1818080	NG2M100RK KC5010	C146
1818081	NG2M100RK KC5025	C146
1818082	NG2M120LK KC5010	C147
1818093	NG2M120LK KC5025	C147
1818094	NG2M120RK KC5010	C146
1818095	NG2M120RK KC5025	C146
1818097	NG2M140LK KC5025	C147
1818098	NG2M140RK KC5010	C146
1818099	NG2M140RK KC5025	C146
1818110	NGD3062LK KC5010	C149
1818111	NGD3062LK KC5025	C149
1818112	NGD3062RK KC5010	C149
1818113	NGD3062RK KC5025	C149
1818114	NGD3094LK KC5010	C149
1818115	NGD3094LK KC5025	C149
1818116	NGD3094RK KC5010	C149
1818117	NGD3094RK KC5025	C149
1818118	NGD3125LK KC5010	C149
1818119	NGD3125LK KC5025	C149
1818120	NGD3125RK KC5010	C149
1818121	NGD3189LK KC5010	C149
1818122	NGD3189LK KC5025	C149
1818262	NGD3189RK KC5010	C149
1818352	NPD3012RK KC5010	C151
1818353	NGD3189RK KC5025	C149
1818354	NGD4125LK KC5010	C149
1818355	NGD4125LK KC5025	C149
1818356	NGD4125RK KC5010	C149
1818357	NGD4125RK KC5025	C149
1818359	NGD4189LK KC5010	C149
1818360	NGD4189LK KC5025	C149
1818361	NGD4189RK KC5010	C149
1818362	NGD4189RK KC5025	C149
1818366	NG2M300RK KC5010	C146
1818368	NG2M325RK KC5025	C146
1818369	NG3047LK KC5010	C148
1818370	NG3047LK KC5025	C148
1818371	NG3062LK KC5025	C148
1818372	NG3072LK KC5010	C148
1818374	NGD4250LK KC5025	C149
1818375	NGD4250RK KC5010	C149
1818376	NGD4250RK KC5025	C149
1818425	NR2031L KC5025	C158
1818426	NR2031R KC5025	C158
1818434	NP2002RK KC5010	C151
1818435	NP2002RK KC5025	C151
1818437	NP3002RK KC5010	C151
1818439	NP3012RK KC5025	C151
1818440	NPD2002RK KC5010	C151
1818444	NRD4125L KC5025	C159
1818455	NG2M170LK KC5010	C147
1818456	NG2M170LK KC5025	C147
1818457	NG2M170RK KC5010	C146
1818458	NR3031LK KC5010	C150
1818459	NR3031LK KC5025	C150
1818460	NR3031RK KC5010	C150
1818461	NG2M170RK KC5025	C146
1818462	NR3031RK KC5025	C150
1818473	NR3047LK KC5010	C150
1818474	NG2M175LK KC5025	C147
1818476	NG2M195LK KC5010	C147
1818478	NR3062LK KC5010	C150
1818479	NG2M195RK KC5010	C146
1818480	NG2M195RK KC5025	C146
1818481	NR3062LK KC5025	C150
1818482	NG2M200LK KC5010	C147
1818483	NG2M200LK KC5025	C147
1818484	NG2M200RK KC5010	C146
1818485	NG2M200RK KC5025	C146
1818487	NG2M220RK KC5025	C146
1818489	NG2M225LK KC5025	C147
1818491	NG2M225RK KC5025	C146
1818492	NG2M250LK KC5025	C147
1818493	NG2M250RK KC5025	C146
1818494	NG2M275LK KC5010	C147
1818497	NG2M275RK KC5025	C146
1818498	NG2M300LK KC5010	C148
1818503	NG3072LK KC5025	C148
1818504	NG3072RK KC5010	C146
1818505	NG3072RK KC5025	C146
1818506	NG3078LK KC5010	C148
1818507	NG3078LK KC5025	C148
1818508	NG3078RK KC5010	C146
1818509	NG3078RK KC5025	C146
1818714	SPHX15T6ZCERGP KCK15	S80
1818721	SPHX15T6ZCTRGPK KY3500	S80
1818755	SPHX15T6ZCERGP4S KCK15	S80
1818766	NG3094LK KC5010	C148
1818768	NG3094LK KC5025	C148
1818769	NG3094RK KC5025	C146
1818824	NG3105R KC5025	C154
1818825	NG3110L KC5025	C155
1818827	NR3078LK KC5010	C150
1818828	NR3078LK KC5025	C150
1818829	NR3078RK KC5010	C150
1818831	NR3094L KC5010	C158
1818833	NR3094L KC5025	C158
1818834	NR3094R KC5010	C158
1818835	NR3094R KC5025	C158
1818836	NR4062LK KC5010	C150
1818838	NR4062RK KC5010	C150
1818840	NR4094LK KC5010	C150
1818841	NR4094LK KC5025	C150
1818842	NR4094RK KC5010	C150
1818854	NR4125LK KC5010	C150
1818856	NR4125RK KC5010	C150
1818857	NR4125RK KC5025	C150
1818858	NRD3031L KC5010	C159
1818859	NRD3031L KC5025	C159
1818860	NRD3031R KC5010	C159
1818861	NRD3031R KC5025	C159
1818862	NRD3062L KC5010	C159
1818863	NRD3062L KC5025	C159
1818864	NRD3062R KC5010	C159
1818865	NRD3062R KC5025	C159
1818866	NRD4062L KC5025	C159
1818874	NU3094L KC5025	C161
1818875	NU3094R KC5025	C161
1818876	NU3125L KC5025	C161
1818878	NU3156L KC5025	C161
1818891	NG3156LK KC5010	C148
1818892	NG3156LK KC5025	C148
1818913	NG3156RK KC5010	C147
1818914	NG3156RK KC5025	C147
1818916	NG3178R KC5025	C154
1818917	NG3185L KC5025	C155
1818919	NG3189LK KC5010	C148
1818920	NG3189LK KC5025	C148
1818921	NG3189RK KC5010	C147
1819108	SPHX15T6ZCTRGP4SK KY3500	S80
1819110	SPHX15T6ZCFRGN1W KCK15	S81
1819168	SPHX15T6PCTRGPK KY3500	S83
1819171	SPHX15T6PCFRGN1WK KY3500	S84
1819206	CNMG120404FP KT315	B49
1819207	CNMG120408FP KT315	B49
1819211	DNMG110408FP KT315	B77
1819335	DNMG150404FP KT315	B77
1819336	DNMG150408FP KT315	B77
1819340	DNMG150612FP KT315	B77
1819354	TNMG160404FP KT315	B124
1819355	TNMG160408FP KT315	B124
1819357	VNMG160404FP KT315	B145
1819358	VNMG160408FP KT315	B145
1819440	DNMG150404FP KC5010	B77
1819441	DNMG150408FP KC5010	B77
1819451	SPHX1205PCTRGPB KTPK20	S77
1819494	DNMG150604FP KC5010	B77
1819495	DNMG150608FP KC5010	B77
1819500	TNMG160404FP KC5010	B124
1819501	TNMG160408FP KC5010	B124
1819502	TNMG160412FP KC5010	B124
1819513	VNMG160404FP KC5010	B145
1819514	VNMG160408FP KC5010	B145
1819515	WNMG060404FP KC5010	B156
1819516	WNMG060408FP KC5010	B156
1819517	WNMG080404FP KC5010	B156
1819518	WNMG080408FP KC5010	B156
1819519	WNMG080412FP KC5010	B156
1819846	SPHX1205PCFRGN1WB KCK15	S78
1819848	SPHX1205PCFRGN1WB KC725M	S78
1819849	SPHX1205PCFRGN1WB KC520M	S78
1819850	SPHX1205PCFRGN1WB KTPK20	S78
1819852	SPHX1205PCFRGN1WBK KY3500	S78
1819853	SPHX1205ZCTRGP KTPK20	S73
1819858	SPHX1205ZCFRGN1W KCK15	S74
1819861	SPHX1205ZCFRGN1W KC520M	S74
1819864	SPHX1205ZCFRGN1WK KY3500	S74
1824861	TCMT16T308LF KC5010	B244
1824882	TCMT16T304LF KC5010	B244
1829218	TNMG160404FW KT315	B125
1829219	TNMG160408FW KT315	B125
1829220	TNMG160404FW KC5010	B125
1831439	841.142.200	K118–120
1831441	841.142.320	K118–119
1831442	841.142.420	K118–119
1831590	KM63XMZKR5060Y	K87
1831749	NG3062L KC5010	C155
1831750	NG4250R KC5010	C154
1832293	CNMG090308MP KC5010	B51
1832294	CNMG120404MP KC5010	B51
1832295	CNMG120408MP KC5010	B51
1832296	CNMG120412MP KC5010	B51
1832297	CNMG120416MP KC5010	B51
1832298	CNMG160608MP KC5010	B51
1832299	CNMG160612MP KC5010	B51
1832301	CNMG160616MP KC5010	B51
1832302	CNMG190608MP KC5010	B51
1832313	CNMG190612MP KC5010	B51
1832315	CNMG190616MP KC5010	B51
1832316	DNMG110408MP KC5010	B79
1832318	DNMG150404MP KC5010	B79
1832319	DNMG150408MP KC5010	B79
1832321	DNMG150412MP KC5010	B79
1832322	DNMG150604MP KC5010	B79
1832323	DNMG150608MP KC5010	B79
1832324	DNMG150612MP KC5010	B79
1832325	SNMG120408MP KC5010	B98
1832327	SNMG120412MP KC5010	B98
1832330	SNMG150612MP KC5010	B98
1832353	SNMG190616MP KC5010	B98
1832354	TNMG160404MP KC5010	B125
1832355	TNMG160408MP KC5010	B125
1832356	TNMG160412MP KC5010	B125
1832357	TNMG220408MP KC5010	B125
1832358	TNMG220412MP KC5010	B125
1832359	TNMG220416MP KC5010	B125
1832360	VNMG160404MP KC5010	B146
1832361	VNMG160408MP KC5010	B146
1832373	VNMG160412MP KC5010	B146
1832374	WNMG060404MP KC5010	B157
1832376	WNMG060408MP KC5010	B157
1832378	WNMG080408MP KC5010	B157
1832379	WNMG080412MP KC5010	B157
1833500	SPHX1205PCERGNT1WB KB1340	S78, S84
1833501	SPHX1205ZCERGNT1W KB1340	S74
1833766	B411A06100 KF1	G100
1834274	R67FBHS06	K136
1834295	SNMG120412FW KT315	B98
1834819	170.294	H58, H65
1836470	170.295	H65
1836471	170.296	H65
1840501	KCGX110304R15 KC5410	E31
1841355	VCGR160416 KC5010	E34
1841781	MS1336	V56, V72
1841782	MS2038	S41, S60, S62, T33, T50, T72, T102, V49, V56, V60, V64, V72, V78
1841856	MS1556	T98, U32–34, V147
1843976	RCMT1204M0 KC5010	B224
1845216	TCMT110204LF KC5010	B244
1845218	CCMT120408LF KC5010	B177
1845219	TPMT110204LF KC5010	B255
1845227	CCMT09T304LF KC5010	B177
1845230	SCMT09T304LF KC5010	B230
1847935	CNGA120412T01020FW KY3500	B293
1848593	SPGX060304RHP KC7140	J89
1848597	SPGX070304RHP KC7140	J89
1848601	SPPX09T308RHP KC7140	J89
1848605	SPPX120408RHP KC7140	J89
1848655	ICSN443 K9	B58–60
1849051	DCGR150404 KC5010	E28
1849052	DCGR150408 KC5010	E28
1849053	DCGR150412 KC5010	E28
1849054	KCGX110301R15 KC5010	E31
1849055	KCGX110301L15 KC5010	E31
1849056	KCGX110302R15 KC5010	E31
1849058	KCGX110304R15 KC5010	E31
1849059	KCGX110304L15 KC5010	E31
1849060	KCGX110308R15 KC5010	E31
1849243	KCGX110308L15 KC5010	E31
1849249	KNGX150404R20 KC5010	E30
1849250	KNGX150404L20 KC5010	E30
1849251	KNGX150408R20 KC5010	E30
1849252	KNGX150408L20 KC5010	E30
1849274	KCGR110304R08 KC5010	E29
1849275	KCGR110304L08 KC5010	E29
1849279	VBMR110304 KC5010	E32
1849281	VCGR160402 KC5010	E34
1849301	VCGR160404 KC5010	E34
1849302	VCGR160408 KC5010	E34
1849323	VCGR160412 KC5010	E34
1849846	KCGR110304L08 KT315	E29
1849866	KCGR110308R08 KT315	E29
1849869	KCGX110302R15 KT315	E31
1849871	KCGX110304R15 KT315	E31
1849874	KCGX110308R15 KT315	E31

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1849885	VBMR110304 KT315	E32
1849903	KCGR110308L08 KC5025	E29
1849906	VBMR110304 KC5025	E32
1849908	VCGR160402 KC5025	E34
1849909	VCGR160404 KC5025	E34
1849910	VCGR160408 KC5025	E34
1849983	KCGX110301R15 KC5025	E31
1849998	KCGX110304R15 KC5025	E31
1850011	KCGX110304L15 KC5025	E31
1850012	KCGX110308R15 KC5025	E31
1850067	KCGR110304R08 KC5025	E29
1850070	KCGR110304L08 KC5025	E29
1851263	CNGA120408T01020FW KY3500	B293
1851264	CNGA120416T01020FW KY3500	B293
1851265	WNGA080408T01020FW KY3500	B294
1851268	CNGX120708T01020FW KY3500	B295
1851269	CNGX120712T01020FW KY3500	B295
1851270	CNGX120716T01020FW KY3500	B295
1851304	SCGN090408EFW KY3500	B299
1852181	CS412	B168, B370
1854201	CPMT050204LF KC5010	B190
1854340	HTSR040R025M	J67
1854342	HTSR046R028M	J67
1854378	B514S08000 KC7030	J68
1854379	B514S10000 KC7030	J68
1855439	NG3M200RK KT315	C146
1855476	NG2031RK KT315	C146
1855479	NG2047RK KT315	C146
1855504	NG2062RK KT315	C146
1855506	NG2094RK KT315	C146
1855508	NG2125RK KT315	C146
1855556	NG2M200RK KT315	C146
1855576	NG3062RK KT315	C146
1855577	NG3094LK KT315	C148
1855578	NG3094RK KT315	C146
1855910	SPHX1205ZCSRGP KCK15	S73
1857709	420.102	S72
1859604	VBMT160404LF KT315	B265
1860701	190.458	J67
1860827	NG3088L KC5010	C155
1861004	FAS100302GD KC7015	H33
1861493	H32PCLNR12	B69
1861496	H32PDUNR15	B91
1861500	H40PCLNR12	B69
1861501	H40PCLNL12	B69
1861517	H50PCLNR12	B69
1861518	H50PCLNL12	B69
1861519	H50PDUNR15	B91
1861520	H50PDUNL15	B91
1863407	552.210	B369, B374
1864501	VCMR160404 KC5010	E33
1864502	VCMR160408 KC5010	E33
1864543	VCMR160404 KC5025	E33
1864544	VCMR160408 KC5025	E33
1864562	VCMR160404 KT315	E33
1864583	VCMR160408 KT315	E33
1864815	SNHX1102PZTNGP KC725M	U15
1864816	SNHX11T3PZTNGP KC725M	U15
1864817	SNHX1203PZTNGP KC725M	U15
1864825	SNHX12L5PZTNGP KC725M	U15
1864829	SNHX11T3PZFNGE KC510M	U14
1864830	SNHX1203PZFNGE KC510M	U14
1864831	SNHX12L5PZFNGE KC510M	U14
1865174	SPGR090308K KC5010	B169
1865210	TPGR110304K KC5010	B171
1865214	TPGR160304K KC5010	B171
1865218	TPGR160308K KC5010	B171
1865436	SPGN090304 KC5010	B169
1865452	SPGN090308 KC5010	B169
1865483	SPGN120304 KC5010	B169
1865484	SPGN120308 KC5010	B169
1865486	SPGN120316 KC5010	B169
1865531	TPGN110304 KC5010	B171
1865532	TPGN110308 KC5010	B171
1865533	TPGN160302 KC5010	B171
1865534	TPGN160304 KC5010	B171
1865535	TPGN160308 KC5010	B171
1865536	TPGN160312 KC5010	B171
1865537	TPGN160316 KC5010	B171
1865538	TPGN220404 KC5010	B171
1865539	TPGN220408 KC5010	B171
1865540	TPGN220412 KC5010	B171
1865541	TPGN220416 KC5010	B171
1865870	RCMK040300 KC5010	E63
1865871	RCMK060400 KC5010	E63
1865953	RCMK090700 KC5010	E63
1865954	RCMK120800 KC5010	E63
1865955	RCGK040300HP KC5010	E63
1865956	RCGK060400HP KC5010	E63
1865959	RCGV060400 KC5010	B166
1865960	RCGV090700 KC5010	B166
1865961	RCGV120700 KC5010	B166
1865962	RPGV090700 KC5010	B167
1865999	RCMT0602M0 KC5010	B224
1866000	RCMT0803M0 KC5010	B224
1866001	RCMT10T3M0 KC5010	B224
1866014	RCMT1605M0 KC5010	B224
1866015	RCMT2006M0 KC5010	B224
1866017	RCMT060200 KC5010	B224
1866019	RCMT09T300 KC5010	B224
1866310	CNMX120712T02020 KY3500	B295
1866311	CNMX120716T02020 KY3500	B295
1866356	SNMX120712T02020 KY3500	B298
1866357	SNMX120716T02020 KY3500	B298
1866358	SNMX150716T02020 KY3500	B298
1866564	CCGT0602X0LF KC5025	B175
1866565	CCGT060201LF KC5025	B175
1866566	CCGT060202LF KC5025	B175
1866567	CCGT060204LF KC5025	B175
1866569	CCGT09T3X0LF KC5025	B175
1866570	CCGT09T301LF KC5025	B175
1866571	CCGT09T302LF KC5025	B175
1866572	CCGT09T304LF KC5025	B175
1866593	CCGT09T308LF KC5025	B175
1866616	CCGT09T308LF K313	B175
1866617	CPGT060201LF KC5025	B189
1866618	CPGT060202LF KC5025	B189
1866619	CPGT060204LF KC5025	B189
1866620	CPGT060208LF KC5025	B189
1866621	CPGT09T302LF KC5025	B189
1866622	CPGT09T304LF KC5025	B189
1866623	CPGT09T308LF KC5025	B189
1866625	CPGT060201LF KC5410	B189
1866638	TPGT090204LF KC5025	B254
1866640	TPGT110202LF KC5025	B254
1866641	TPGT110204LF KC5025	B254
1866643	DCGT0702X0LF KC5025	B206
1866646	DCGT070201LF KC5025	B206
1866647	DCGT11T301LF KC5025	B206
1866648	DCGT11T3X0LF KC5025	B206
1866650	DCGT070201LF KC5010	B206
1866651	DCGT11T301LF KC5010	B206
1866652	DCGT150408LF KC5010	B206
1866653	TPGT16T304LF KC5025	B254
1866655	TPGT110208LF KC5010	B254
1866661	TPGT110204LF KC5410	B254
1866665	DPGT070204LF KC5025	B214
1866667	DPGT11T302LF KC5025	B214
1866668	DPGT11T304LF KC5025	B214
1866674	TPGT16T308LF KC5410	B254
1866675	VBGT1103X0LF KC5025	B264
1866676	VBGT110301LF KC5025	B264
1866677	VBGT110302LF KC5025	B264
1866678	VBGT110304LF KC5025	B264
1866679	VBGT1604X0LF KC5025	B264
1866681	VBGT160401LF KC5025	B264
1866682	VBGT160402LF KC5025	B264
1866683	VBGT160404LF KC5025	B264
1866685	VBGT110302LF KC5010	B264
1866686	VBGT110304LF KC5010	B264
1866754	VBGT160401LF KC5010	B264
1866755	VBGT160402LF KC5010	B264
1866756	VBGT160404LF KC5010	B264
1866757	VBGT110301LF KC5410	B264
1866761	VBGT160402LF KC5410	B264
1866762	VBGT160404LF KC5410	B264
1866781	DPGT070201LF KC5010	B214
1866782	SPGT09T304LF KC5025	B238
1866793	SPGT09T308LF KC5025	B238
1866795	SPGT09T304LF KC5010	B238
1866796	SPGT09T308LF KC5010	B238
1866801	TCGT110201LF KC5025	B243
1866802	TCGT110204LF KC5025	B243
1866955	CCGT060202HP KC5025	B175
1866956	CCGT060204HP KC5025	B175
1866959	CCGT09T302HP KC5025	B175
1866960	CCGT09T304HP KC5025	B175
1866961	CCGT09T308HP KC5025	B175
1866994	CCGT120404HP KC5025	B175
1866996	CPGT060202HP KC5025	B188
1866997	CPGT060204HP KC5025	B188
1867001	CPGT09T302HP KC5025	B188
1867002	CPGT09T304HP KC5025	B188
1867004	DCGT070202HP KC5025	B206
1867006	DCGT070204HP KC5025	B206
1867007	DCGT070208HP KC5025	B206
1867009	DCGT11T302HP KC5025	B206
1867010	DCGT11T304HP KC5025	B206
1867011	DCGT11T308HP KC5025	B206
1867028	RCGT10T3M0HP KC5025	B222
1867029	RCGT1204M0HP KC5025	B222
1867031	TCGT110204HP KC5025	B243
1867034	TCGT16T304HP KC5025	B243
1867035	TCGT16T308HP KC5025	B243
1867036	TPGT110202HP KC5025	B254
1867037	TPGT110204HP KC5025	B254
1867042	TPGT16T304HP KC5025	B254
1867046	VBGT160404HP KC5025	B264
1867049	VBGT160408HP KC5025	B264
1867050	VBGT110304HP KC5025	B264
1867051	VBGT110302HP KC5025	B264
1867060	VBGT110304HP KC5010	B264
1867061	VBGT110302HP KC5010	B264
1867212	SSP025016M	B58–60, B66, B85, B89–90, B105–107, B132, B137, B149–150, B152, B161, B163
1867278	KMSP415IP	B58–60, B66, B85, B89–90, B105–107, B132, B161, B163
1867314	KMSP515IP	B58–60, B66, B105
1867321	KLM46L15IP	B58–60, B85, B105–107, B132
1867333	KLM4615IP	B58–60, B105, B107, B161
1867338	KLM58L15IP	B58–60, B105
1867620	CNGP120408 KC5010	B46
1868190	CPGH09T301 KC5010	B188
1868253	CPGH09T301 KC5025	B188
1868254	CPGH09T301 KT315	B188
1868255	CPGH09T302 KC5010	B188
1868257	CPGH09T302 KC5025	B188
1868419	CNGP120401 KC5010	B46
1868420	CNGP120402 KC5010	B46
1868421	CNGP120404 KC5010	B46
1868443	CNGP120412 KC5010	B46
1868444	CNGP120416 KC5010	B46
1868451	DNGP150401 KC5010	B74
1868452	DNGP150402 KC5010	B74
1868453	DNGP150404 KC5010	B74
1868454	DNGP150408 KC5010	B74
1868456	DNGP150608 KC5010	B74
1868457	SNGP120404 KC5010	B96
1868458	SNGP120408 KC5010	B96
1868461	TNGP160402 KC5010	B122
1868462	TNGP160404 KC5010	B122
1868463	TNGP160408 KC5010	B122
1868464	VNGP160401 KC5010	B143
1868465	VNGP160402 KC5010	B143
1868466	VNGP220404 KC5010	B143
1868467	VNGP220408 KC5010	B143
1869820	CCMT060202LF KC5010	B177
1869821	CCMT060204LF KC5010	B177
1869894	CPGH09T304 KC5010	B188
1869896	CPGH09T304 KC5025	B188
1869899	CPGH09T304 KT315	B188
1869901	CPGH09T308 KC5010	B188
1869903	CPGH09T308 KC5025	B188
1869932	CCMT060202LF KT315	B177
1869964	CCMT060204LF KT315	B177
1869965	CCMT060208LF KT315	B177
1869966	CCMT09T302LF KT315	B177
1869967	CCMT09T304LF KT315	B177
1869968	CCMT09T308LF KT315	B177
1869973	DCMT070204LF KT315	B207
1869974	DCMT11T302LF KT315	B207
1869975	DCMT11T304LF KT315	B207
1869976	DCMT11T308LF KT315	B207
1869980	SCMT09T304LF KT315	B230
1869996	TCMT110204LF KT315	B244
1869998	TCMT110208LF KT315	B244
1870000	TCMT16T304LF KT315	B244
1870002	TCMT16T308LF KT315	B244
1870021	CNGG120401LF KC5010	B46
1870022	CNGG120402LF KC5010	B46
1870036	VBMT110302LF KT315	B265
1870037	VBMT110304LF KT315	B265
1870039	VBMT160402LF KT315	B265
1870043	CNGG120404LF KC5010	B46
1870044	CNGG120408LF KC5010	B46
1870069	CNGG120412LF KC5010	B46
1870072	DNGG150402LF KC5010	B74
1870113	DNGG150404LF KC5010	B74
1870114	DNGG150408LF KC5010	B74
1870323	VBMT160408LF KT315	B265
1870324	CPMT050204LF KT315	B190
1870326	CPMT060204LF KT315	B190
1870328	CPMT09T302LF KT315	B190
1870329	CPMT09T304LF KT315	B190
1870333	CPMT09T308LF KT315	B190
1870335	DPMT070204LF KT315	B215
1870337	DPMT11T304LF KT315	B215
1870339	SPMT09T304LF KT315	B238
1870342	TPMT090204LF KT315	B255
1870365	TPMT110208LF KT315	B255
1870366	TPMT16T304LF KT315	B255
1870367	TPMT16T308LF KT315	B255
1870619	TNGG160402LF KC5010	B122
1870983	CCMT060208LF KC5010	B177
1870984	CCMT09T302LF KC5010	B177
1870986	CCMT09T308LF KC5010	B177
1870987	CCMT120404LF KC5010	B177
1870990	CPMT050202LF KC5010	B190
1870992	CPMT060202LF KC5010	B190
1870998	DPMT11T302LF KC5010	B215
1870999	DPMT11T304LF KC5010	B215
1871000	DPMT11T308LF KC5010	B215
1871002	SCMT09T308LF KC5010	B230
1871013	CPMT060204LF KC5010	B190
1871014	CPMT060208LF KC5010	B190
1871015	CPMT09T302LF KC5010	B190
1871016	CPMT09T304LF KC5010	B190
1871017	CPMT09T308LF KC5010	B190
1871019	DCMT11T312LF KC5010	B207
1871020	DCMT150404LF KC5010	B207
1871021	DCMT150408LF KC5010	B207
1871022	DPMT070202LF KC5010	B215
1871033	DPMT070204LF KC5010	B215
1871035	VBMT110308LF KC5010	B265
1871036	VBMT160402LF KC5010	B265
1871038	WPMT040204LF KC5010	B272
1871039	WPMT06T304LF KC5010	B272
1871040	WPMT06T308LF KC5010	B272
1871041	WCMT040204LF KC5010	B270
1871042	WCMT06T308LF KC5010	B270
1871083	SCMT120404LF KC5010	B230
1871084	SCMT120408LF KC5010	B230
1871085	SCMT120412LF KC5010	B230
1871086	SPMT09T304LF KC5010	B238
1871087	SPMT09T308LF KC5010	B238
1871088	TCMT110202LF KC5010	B244
1871090	TCMT110208LF KC5010	B244
1871091	TCMT16T302LF KC5010	B244
1871104	TCMT16T312LF KC5010	B244
1871105	TCMT220408LF KC5010	B244
1871106	TPMT090202LF KC5010	B255
1871107	TPMT090204LF KC5010	B255
1871108	TPMT110202LF KC5010	B255
1871110	TPMT110208LF KC5010	B255
1871111	TPMT16T304LF KC5010	B255
1871112	TPMT16T308LF KC5010	B255
1871134	TPMT220408LF KC5010	B255
1871163	CCMT060204UF KC5010	B178
1871164	CCMT09T302UF KC5010	B178
1871165	CCMT09T304UF KC5010	B178
1871166	CCMT09T308UF KC5010	B178
1871167	CPMT060204UF KC5010	B191
1871168	CPMT09T304UF KC5010	B191

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1871169	DCMT070204UF KC5010	B208
1871170	DCMT11T302UF KC5010	B208
1871171	DCMT11T304UF KC5010	B208
1871172	DCMT11T308UF KC5010	B208
1871193	DPMT070204UF KC5010	B216
1871196	SCMT09T308UF KC5010	B231
1871197	SPMT09T304UF KC5010	B239
1871198	TCMT110204UF KC5010	B245
1871199	TCMT110208UF KC5010	B245
1871200	TCMT16T308UF KC5010	B245
1871202	TPMT110204UF KC5010	B256
1871286	TNGG160404LF KC5010	B122
1871287	TNGG160408LF KC5010	B122
1871288	VNGG160402LF KC5010	B143
1871289	VNGG160404LF KC5010	B143
1871313	VNGG160408LF KC5010	B143
1871317	VNGG220408LF KC5010	B143
1871318	WNGG080401LF KC5010	B154
1871319	WNGG080402LF KC5010	B154
1871320	WNGG080404LF KC5010	B154
1872409	ICSN543 K9	B58–60
1873224	CWLNL2525M08-MX7	B369
1873227	CWLNR3225P08-MX7	B369
1873496	S40T-CWLNL08-MX7	B374
1873498	S40T-CSSNR12-MX7	B373
1873499	S40T-CSSNL12-MX7	B373
1874234	SPHX1205PCTLGPBK KY3500	S77
1874248	MDHX1004ZDFRGD4W K110M	S69
1874250	MDHX1004ZDFRGD4W KC520M	S69
1875191	DDJNR2525M15KC06	B85
1875192	DDJNL2525M15KC06	B85
1875193	DCLNR2525M12KC04	B59
1875194	DCLNL2020K12KC04	B59
1875195	DSSNR2525M12KC04	B107
1875196	DCLNL2525M12KC04	B59
1875197	DDJNR2020K15KC06	B85
1875198	DDJNL2020K15KC06	B85
1875199	DCLNR2020K12KC04	B59
1875200	DCKNR2525M12KC04	B58
1875201	DCRNR2525M12KC04	B60
1875202	DSSNR2020K12KC04	B107
1875203	DSSNL2525M12KC04	B107
1875204	DCKNL2525M12KC04	B58
1875205	DCLNL2525M16KC06	B59
1875206	DCRNL2525M12KC04	B60
1875207	DDJNL3225P15KC06	B85
1875208	DDJNR3225P15KC06	B85
1875209	DDJNL3232P15KC06	B85
1875210	DSDNN2020K12KC04	B105
1875211	DSDNN2525M12KC04	B105
1875212	DCLNR2525M16KC06	B59
1875215	DSBNL2525M12KC04	B105
1875216	DSDNN2525M15KC06	B105
1875219	DSKNR2525M12KC04	B106
1875220	DSKNL2525M12KC04	B106
1875222	DTGNR2525M22KC04	B132
1875223	DCLNR3225P12KC04	B59
1875224	DCLNR3232P16KC06	B59
1875225	DCLNL3232P16KC06	B59
1875226	DCRNR2020K12KC04	B60
1875227	DDJNR3232P15KC06	B85
1875228	DSRNR2525M12KC04	B106
1875230	DCLNL3225P16KC06	B59
1875231	DCLNL3225P12KC04	B59
1875232	DCLNR3225P16KC06	B59
1875233	DTFNL2525M22KC04	B132
1875234	DTGNL2525M22KC04	B132
1876838	TNMG160412FW KT315	B125
1876849	TNMG220404FP KC5010	B124
1877480	DNGN150704T02020 KY1615	B313
1877482	DNGN150708T02020 KY1615	B313
1877594	DNGN150712T02020 KY1615	B313
1877595	DNGN150716T02020 KY1615	B313
1877596	ENGN130704T02020 KY1615	B315
1877597	ENGN130708T02020 KY1615	B315
1877598	ENGN130712T02020 KY1615	B315
1877599	ENGN130716T02020 KY1615	B315
1877601	RNGN120700T02020 KY1615	B316
1877602	RNGN120700T10015 KY1615	B316
1877603	RNGN120700T20015 KY1615	B316
1881130	CNGA120404T02020 KY1615	B309
1881131	CNGA120408T00520 KY1615	B309
1881132	CNGA120408T02020 KY1615	B309
1881199	KCUX110302R15 KC5010	E32
1881200	KCUX110305R15 KC5010	E32
1881201	KCUX110302L15 KC5010	E32
1881202	KCUX110305L15 KC5010	E32
1881203	KNUX150405R20 KC5010	E31
1881243	CNGA120412T02020 KY1615	B309
1881244	CNGA120416T02020 KY1615	B309
1881246	CNGA160612T02020 KY1615	B309
1881249	CNGA190612T02020 KY1615	B309
1881250	CNGA190616T02020 KY1615	B309
1881251	CNGN120404T02020 KY1615	B309
1881252	CNGN120408T02020 KY1615	B309
1881253	CNGN120412T02020 KY1615	B309
1881255	CNGN120708T02020 KY1615	B309
1881257	CNGN120712T02020 KY1615	B309
1881258	CNGN120716T02020 KY1615	B309
1881266	CNGN160716T02020 KY1615	B309
1881267	CNGN160716T05015 KY1615	B309
1881272	CNGX120708T02020 KY1615	B311
1881273	CNGX120712T02020 KY1615	B311
1881278	DNGA150404T02020 KY1615	B313
1881279	DNGA150408T02020 KY1615	B313
1881280	DNGA150412T02020 KY1615	B313
1881281	DNGA150416T02020 KY1615	B313
1881282	DNGA150604T02020 KY1615	B313
1881283	DNGA150608T02020 KY1615	B313
1881285	DNGA150612T02020 KY1615	B313
1881297	DNGX150708T02020 KY1615	B315
1881305	RCGW1204M0T01020 KY1615	B316
1881310	RCGX090700T01020 KY1615	B315
1881311	RCGX090700T02020 KY1615	B315
1881313	RCGX090700T10015 KY1615	B315
1881314	RCGX090700T20015 KY1615	B315
1881316	RCGX120700T02020 KY1615	B315
1881318	RCGX120700T10015 KY1615	B315
1881319	RCGX120700T20015 KY1615	B315
1881320	RCGX151000T20015 KY1615	B315
1881321	RCGX191000T20015 KY1615	B315
1881322	RCGX251200T20015 KY1615	B315
1881325	RNGA090300T02020 KY1615	B316
1881326	RNGA120400T02020 KY1615	B316
1881327	RNGN090300T02020 KY1615	B316
1881328	RNGN090400T02020 KY1615	B316
1881329	RNGN120300T02020 KY1615	B316
1881330	RNGN120400T02020 KY1615	B316
1881332	RNGN190700T02020 KY1615	B316
1881347	SNGA120408T02020 KY1615	B317
1881348	SNGA120412T02020 KY1615	B317
1881351	SNGN090308T02020 KY1615	B317
1881355	SNGN120408T00520 KY1615	B317
1881356	SNGN120408T02020 KY1615	B317
1881357	SNGN120412T02020 KY1615	B317
1881358	SNGN120416T02020 KY1615	B317
1881361	SNGN120704T02020 KY1615	B317
1881362	SNGN120708T02020 KY1615	B317
1881364	SNGN120712T02020 KY1615	B317
1881365	SNGN120716T02020 KY1615	B317
1881366	SNGN120720T02020 KY1615	B317
1881367	SNGN120720T10015 KY1615	B317
1881368	SNGN120720T20015 KY1615	B317
1881371	SNGN150716T02020 KY1615	B317
1881396	SNGX120712T02020 KY1615	B318
1881402	SPGN090308T01020 KY1615	B318
1881405	SPGN120308T01020 KY1615	B318
1881413	TNGA160408T02020 KY1615	B319
1881414	TNGA160412T02020 KY1615	B319
1881416	TNGA220408T02020 KY1615	B319
1881417	TNGA220412T02020 KY1615	B319
1881422	TNGN110308T02020 KY1615	B319
1881423	TNGN160404T02020 KY1615	B319
1881424	TNGN160408T02020 KY1615	B319
1881425	TNGN160412T02020 KY1615	B319
1881426	TNGN160416T02020 KY1615	B319
1881427	TNGN160708T02020 KY1615	B319
1881428	TNGN160712T02020 KY1615	B319
1881430	TNGN220408T02020 KY1615	B319
1881437	TPGN110304T01020 KY1615	B320
1881438	TPGN110308T01020 KY1615	B320
1881439	TPGN110312T01020 KY1615	B320
1881440	TPGN160304T01020 KY1615	B320
1881441	TPGN160308T01020 KY1615	B320
1881442	TPGN160312T01020 KY1615	B320
1881447	TPUN110304T00520 KY1615	B321
1881448	TPUN110308T00520 KY1615	B321
1881449	TPUN160304T00520 KY1615	B321
1881450	TPUN160308T00520 KY1615	B321
1881451	TPUN160312T00520 KY1615	B321
1881452	VNGA160404T02020 KY1615	B322
1881453	VNGA160408T02020 KY1615	B322
1881454	VNGA160412T02020 KY1615	B322
1881455	VNGA220408T02020 KY1615	B322
1882046	CNMX120708T02020 KY3500	B295
1886327	80A09RP00MD10CF	S68
1886328	100B12RP00MD10CF	S68
1886329	125B16RP00MD10CF	S68
1886330	160C20RP00MD10CF	S68
1886331	200C24RP00MD10CF	S68
1886332	250C30RP00MD10CF	S68
1886492	A16RCTFPR11	B174, B371
1886494	A40VCTFPR16	B174, B371
1886498	A16RSCFPR06	B194
1886501	A16RSCLPL06	B196
1886502	A16RSCLPR06	B196
1886504	A20SSCLPR06	B196
1886505	A10KSDUCL07	B213
1886506	A10KSDUCR07	B213
1886507	A16RSDUCL11	B213
1886508	A16RSDUCR11	B213
1886510	A16RSSKCR09	B235
1887100	50A05RP70SP12CFP	S72
1887101	63B07RP70SP12CFP	S72
1887102	80B08RP70SP12C2WFP	S72
1887173	100B12RP70SP12C3WFP	S72
1887175	160C18RP70SP12C3WFP	S72
1887178	63A07RP90SP12CFP	S76
1887179	80A08RP90SP12C2WFP	S76
1887180	100B12RP90SP12C3WFP	S76
1887181	125B15RP90SP12C3WFP	S76
1887193	160C18RP90SP12C3WFP	S76
1887194	200C24RP90SP12C4WFP	S76
1887616	NG3094L KC5010	C155
1893753	80A06RP00MD10CF	S68
1893754	100B08RP00MD10CF	S68
1893755	125B10RP00MD10CF	S68
1893756	160C12RP00MD10CF	S68
1893757	200C14RP00MD10CF	S68
1893758	250C18RP00MD10CF	S68
1895492	SPHX1205PCFLGN1WB KCK15	S78
1897239	410.085	S68
1897657	TPGX0902ZPRGD KC7015	H63
1897658	TPGX1102ZPRGD KC7015	H63
1897659	TPGX1303ZPRGD KC7015	H63
1897660	TPGX1603ZPRGD KC7015	H63
1897830	BGHX15L508PCFRGG KC510M	S149
1905695	CNMG190612RP KC5010	B53
1905810	MS1294	B168, B370, S48, T50, V49, V64, V72
1906272	MCFNL12CA12	B70
1908860	DWLNR2525M08KC04	B161
1908861	DWLNL2525M08KC04	B161
1908862	DWLNR3232P08KC04	B161
1908893	DWLNL3232P08KC04	B161
1909790	CPGT060208LF KC5010	B189
1909791	TPGT110202LF KC5010	B254
1910043	VBGT110302HP KC5410	B264
1910044	VBGT110304HP KC5410	B264
1910215	CNMG120412RP KC5010	B53
1912477	STN1612UNI KC635M	W44
1913052	B966A03000 KC7315	G132
1913458	B966A03500 KC7315	G132
1913459	B966A03700 KC7315	G132
1913460	B966A03800 KC7315	G132
1913461	B966A04000 KC7315	G132
1913462	B966A04200 KC7315	G132
1913473	B966A04500 KC7315	G132
1913474	B966A04600 KC7315	G132
1913475	B966A04800 KC7315	G132
1913476	B966A05000 KC7315	G132
1913477	B966A05500 KC7315	G132
1913478	B966A05700 KC7315	G132
1913479	B966A05800 KC7315	G132
1913480	B966A06000 KC7315	G132
1913481	B966A06500 KC7315	G133
1913482	B966A06800 KC7315	G133
1913483	B966A07000 KC7315	G133
1913484	B966A07400 KC7315	G133
1913485	B966A07500 KC7315	G133
1913486	B966A07800 KC7315	G133
1913487	B966A08000 KC7315	G133
1913488	B966A08500 KC7315	G133
1913489	B966A08800 KC7315	G133
1913490	B966A09000 KC7315	G133
1913491	B966A09300 KC7315	G133
1913492	B966A09500 KC7315	G133
1913493	B966A09800 KC7315	G133
1913494	B966A10000 KC7315	G133
1913495	B966A10200 KC7315	G133
1913496	B966A10500 KC7315	G133
1913497	B966A10700 KC7315	G133
1913498	B966A11000 KC7315	G133
1913499	B966A11200 KC7315	G133
1913500	B966A11500 KC7315	G134
1913501	B966A11700 KC7315	G134
1913502	B966A12000 KC7315	G134
1913503	B966A12500 KC7315	G134
1913504	B966A12700 KC7315	G134
1913505	B966A13000 KC7315	G134
1913506	B966A13500 KC7315	G134
1913507	B966A13700 KC7315	G134
1913508	B966A14000 KC7315	G134
1913509	B966A14500 KC7315	G134
1913510	B966A14700 KC7315	G134
1913511	B966A15000 KC7315	G134
1913512	B966A15500 KC7315	G134
1913513	B966A15700 KC7315	G134
1913514	B966A16000 KC7315	G134
1913515	B976A04000 KC7315	G138
1913516	B976A04200 KC7315	G138
1913517	B976A04500 KC7315	G139
1913518	B976A04600 KC7315	G139
1913519	B976A04800 KC7315	G139
1913520	B976A05000 KC7315	G139
1913521	B976A05500 KC7315	G139
1913522	B976A05700 KC7315	G139
1913523	B976A05800 KC7315	G139
1913524	B976A06000 KC7315	G139
1913525	B976A06500 KC7315	G139
1913526	B976A06800 KC7315	G139
1913527	B976A07000 KC7315	G139
1913528	B976A07400 KC7315	G140
1913529	B976A07500 KC7315	G140
1913530	B976A07800 KC7315	G140
1913531	B976A08000 KC7315	G140
1913532	B976A08500 KC7315	G140
1913533	B976A08800 KC7315	G140
1913534	B976A09000 KC7315	G140
1913535	B976A09300 KC7315	G140
1913536	B976A09500 KC7315	G140
1913537	B976A09800 KC7315	G140
1913538	B976A10000 KC7315	G140
1913539	B976A10200 KC7315	G140
1913540	B976A10500 KC7315	G140
1913541	B976A10700 KC7315	G141
1913542	B976A11000 KC7315	G141
1913543	B976A11200 KC7315	G141
1913544	B976A11500 KC7315	G141
1913545	B976A11700 KC7315	G141
1913546	B976A12000 KC7315	G141
1913547	B976A12500 KC7315	G141
1913548	B976A12700 KC7315	G141
1913549	B976A13000 KC7315	G141
1913550	B976A13500 KC7315	G141
1913551	B976A13700 KC7315	G141
1913552	B976A14000 KC7315	G141
1913553	B976A14500 KC7315	G141
1913554	B976A14700 KC7315	G141
1913555	B976A15000 KC7315	G141
1913556	B976A15500 KC7315	G141
1913558	B976A16000 KC7315	G142
1913559	B976A16500 KC7315	G142
1913560	B976A17000 KC7315	G142
1913561	B976A17500 KC7315	G142
1913562	B976A18000 KC7315	G142
1913563	B976A18500 KC7315	G142

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1913564	B976A19000 KC7315	G142
1913565	B976A19500 KC7315	G142
1913566	B976A20000 KC7315	G142
1913567	B977A04000 KC7315	G138
1913568	B977A04200 KC7315	G138
1913569	B977A04500 KC7315	G139
1913570	B977A04600 KC7315	G139
1913571	B977A04800 KC7315	G139
1913572	B977A05000 KC7315	G139
1913573	B977A05500 KC7315	G139
1913574	B977A05800 KC7315	G139
1913575	B977A06000 KC7315	G139
1913576	B977A06500 KC7315	G139
1913577	B977A06800 KC7315	G139
1913578	B977A07000 KC7315	G139
1913579	B977A07400 KC7315	G140
1913580	B977A07500 KC7315	G140
1913581	B977A07800 KC7315	G140
1913582	B977A08000 KC7315	G140
1913583	B977A08500 KC7315	G140
1913584	B977A08800 KC7315	G140
1913585	B977A09000 KC7315	G140
1913586	B977A09300 KC7315	G140
1913587	B977A09500 KC7315	G140
1913588	B977A09800 KC7315	G140
1913589	B977A10000 KC7315	G140
1913590	B977A10200 KC7315	G140
1913591	B977A10500 KC7315	G140
1913592	B977A10700 KC7315	G141
1913593	B977A11000 KC7315	G141
1913594	B977A11200 KC7315	G141
1913595	B977A11500 KC7315	G141
1913596	B977A11700 KC7315	G141
1913597	B977A12000 KC7315	G141
1913598	B977A12500 KC7315	G141
1913599	B977A12700 KC7315	G141
1913600	B977A13000 KC7315	G141
1913601	B977A13500 KC7315	G141
1913602	B977A13700 KC7315	G141
1913603	B977A14000 KC7315	G141
1913604	B977A14500 KC7315	G141
1913605	B977A14700 KC7315	G141
1913606	B977A15000 KC7315	G141
1913607	B977A15500 KC7315	G141
1913608	B977A15700 KC7315	G141
1913609	B977A16000 KC7315	G142
1913610	B977A16500 KC7315	G142
1913611	B977A17000 KC7315	G142
1913612	B977A17500 KC7315	G142
1913613	B977A18000 KC7315	G142
1913614	B977A18500 KC7315	G142
1913615	B977A19000 KC7315	G142
1913616	B977A19500 KC7315	G142
1913617	B977A20000 KC7315	G142
1913618	B978A05000 KC7315	G146
1913619	B978A05500 KC7315	G146
1913620	B978A06000 KC7315	G146
1913621	B978A06500 KC7315	G146
1913622	B978A06800 KC7315	G146
1913623	B978A07000 KC7315	G146
1913624	B978A07500 KC7315	G147
1913625	B978A07800 KC7315	G147
1913626	B978A08000 KC7315	G147
1913627	B978A08500 KC7315	G147
1913628	B978A09000 KC7315	G147
1913629	B978A09500 KC7315	G147
1913630	B978A10000 KC7315	G147
1913631	B978A10200 KC7315	G147
1913632	B978A10500 KC7315	G147
1913633	B978A11000 KC7315	G147
1913634	B978A11500 KC7315	G147
1913635	B978A12000 KC7315	G147
1913636	B978A12500 KC7315	G147
1913637	B978A13000 KC7315	G148
1913638	B978A13500 KC7315	G148
1913639	B978A14000 KC7315	G148
1913640	B978A14500 KC7315	G148
1913641	B978A15000 KC7315	G148
1913642	B978A15500 KC7315	G148
1913643	B978A16000 KC7315	G148
1913644	B978A16500 KC7315	G148
1913645	B978A17000 KC7315	G148
1913646	B978A17500 KC7315	G148
1913647	B978A18000 KC7315	G148
1913648	B978A18500 KC7315	G148
1913649	B978A19000 KC7315	G148
1913650	B978A19500 KC7315	G148
1913651	B978A20000 KC7315	G148
1913652	B966F03000 KC7315	G135
1913653	B966F03500 KC7315	G135
1913656	B966F04000 KC7315	G135
1913657	B966F04200 KC7315	G135
1913661	B966F05000 KC7315	G135
1913662	B966F05500 KC7315	G135
1913665	B966F06000 KC7315	G135
1913666	B966F06500 KC7315	G135
1913667	B966F06800 KC7315	G135
1913668	B966F07000 KC7315	G135
1913669	B966F07400 KC7315	G135
1913672	B966F08000 KC7315	G135
1913673	B966F08500 KC7315	G135
1913675	B966F09000 KC7315	G135
1913677	B966F09500 KC7315	G135
1913679	B966F10000 KC7315	G135
1913680	B966F10200 KC7315	G135
1913681	B966F10500 KC7315	G135
1913682	B966F10700 KC7315	G135
1913683	B966F11000 KC7315	G136
1913687	B966F12000 KC7315	G136
1913688	B966F12500 KC7315	G136
1913689	B966F12700 KC7315	G136
1913690	B966F13000 KC7315	G136
1913691	B966F13500 KC7315	G136
1913693	B966F14000 KC7315	G136
1913694	B966F14500 KC7315	G136
1913696	B966F15000 KC7315	G136
1913699	B966F16000 KC7315	G136
1913701	B976F04200 KC7315	G143
1913702	B976F04500 KC7315	G143
1913703	B976F04600 KC7315	G143
1913705	B976F05000 KC7315	G143
1913706	B976F05500 KC7315	G143
1913708	B976F05800 KC7315	G144
1913709	B976F06000 KC7315	G144
1913711	B976F06800 KC7315	G144
1913712	B976F07000 KC7315	G144
1913715	B976F07800 KC7315	G144
1913716	B976F08000 KC7315	G144
1913717	B976F08500 KC7315	G144
1913718	B976F08800 KC7315	G144
1913719	B976F09000 KC7315	G144
1913723	B976F10000 KC7315	G144
1913724	B976F10200 KC7315	G144
1913725	B976F10500 KC7315	G144
1913726	B976F10700 KC7315	G144
1913727	B976F11000 KC7315	G144
1913730	B976F11700 KC7315	G144
1913731	B976F12000 KC7315	G144
1913732	B976F12500 KC7315	G144
1913733	B976F12700 KC7315	G144
1913734	B976F13000 KC7315	G144
1913735	B976F13500 KC7315	G145
1913736	B976F13700 KC7315	G145
1913737	B976F14000 KC7315	G145
1913738	B976F14500 KC7315	G145
1913740	B976F15000 KC7315	G145
1913743	B976F16000 KC7315	G145
1913744	B976F16500 KC7315	G145
1913745	B976F17000 KC7315	G145
1913747	B976F18000 KC7315	G145
1913748	B976F18500 KC7315	G145
1913752	B977F04000 KC7315	G143
1913753	B977F04200 KC7315	G143
1913754	B977F04500 KC7315	G143
1913755	B977F04600 KC7315	G143
1913756	B977F04800 KC7315	G143
1913757	B977F05000 KC7315	G143
1913758	B977F05500 KC7315	G143
1913759	B977F05800 KC7315	G144
1913760	B977F06000 KC7315	G144
1913761	B977F06500 KC7315	G144
1913762	B977F06800 KC7315	G144
1913763	B977F07000 KC7315	G144
1913764	B977F07400 KC7315	G144
1913765	B977F07500 KC7315	G144
1913766	B977F07800 KC7315	G144
1913767	B977F08000 KC7315	G144
1913768	B977F08500 KC7315	G144
1913769	B977F08800 KC7315	G144
1913770	B977F09000 KC7315	G144
1913771	B977F09300 KC7315	G144
1913772	B977F09500 KC7315	G144
1913773	B977F09800 KC7315	G144
1913774	B977F10000 KC7315	G144
1913775	B977F10200 KC7315	G144
1913776	B977F10500 KC7315	G144
1913777	B977F10700 KC7315	G144
1913778	B977F11000 KC7315	G144
1913779	B977F11200 KC7315	G144
1913780	B977F11500 KC7315	G144
1913781	B977F11700 KC7315	G144
1913782	B977F12000 KC7315	G144
1913783	B977F12500 KC7315	G144
1913784	B977F12700 KC7315	G144
1913785	B977F13000 KC7315	G144
1913786	B977F13500 KC7315	G145
1913788	B977F14000 KC7315	G145
1913789	B977F14500 KC7315	G145
1913791	B977F15000 KC7315	G145
1913792	B977F15500 KC7315	G145
1913793	B977F15700 KC7315	G145
1913794	B977F16000 KC7315	G145
1913795	B977F16500 KC7315	G145
1913796	B977F17000 KC7315	G145
1913797	B977F17500 KC7315	G145
1913798	B977F18000 KC7315	G145
1913799	B977F18500 KC7315	G145
1913800	B977F19000 KC7315	G145
1913801	B977F19500 KC7315	G145
1913802	B977F20000 KC7315	G145
1914363	NG4250L KC5025	C155
1914364	NG4250R KC5025	C154
1915368	881.252.320	K133–134
1915629	MS2089	C119
1915829	MDHX1004ZDERGD4W KTPK20	S69
1916212	LNEU1245R04SGP KC725M	U20
1916215	LNEU1245R08SGP KC725M	U20
1916218	LNEU1245R16SGP KC725M	U20
1916221	LNEU1250R04SGP KC725M	U20
1916224	LNEU1250R08SGP KC725M	U20
1918651	KDMB12R026M08SN	V111
1918652	KDMB16R026M08SN	V111
1918663	KDMB20R030M10SN	V111
1918664	KDMB25R040M12SN	V111
1918665	KDMT12R028M08SN	V128
1918666	KDMT16R028M08SN	V128
1918667	KDMT20R032M10SN	V128
1918669	KDMB08R140A08ST	V113
1918670	KDMB10R150A10ST	V113
1918671	KDMB12R160A12ST	V113
1918672	KDMB16R175A16ST	V113
1918673	KDMB20R190A20ST	V113
1918674	KDMB25R210A25ST	V113
1918676	KDMB12R130A12SN	V112
1918677	KDMB12R150A12SN	V112
1918678	KDMB16R140A16SN	V112
1918679	KDMB16R160A16SN	V112
1918680	KDMB20R160A20SN	V112
1918681	KDMB20R175A20SN	V112
1918682	KDMB25R160A25SN	V112
1918683	KDMB25R190A25SN	V112
1918684	KDMB32R175A32SN	V112
1918685	KDMB32R210A32SN	V112
1918690	KDMT12R130A12SN	V129
1918691	KDMT12R150A12SN	V129
1918692	KDMT16R140A16SN	V129
1918693	KDMT16R160A16SN	V129
1918694	KDMT20R160A20SN	V129
1918695	KDMT20R175A20SN	V129
1918697	KDMT25R190A25SN	V129
1918699	KDMT32R210A32SN	V129
1918704	KDMB08R100A08HN	V114
1918705	KDMB08R150A08HN	V114
1918803	SM455 K9	S41
1918864	KDMB08M0ERGN KC530M	V118
1918865	KDMB08M0ERGN KC515M	V118
1918866	KDMB10M0ERGN KC530M	V118
1918867	KDMB10M0ERGN KC515M	V118
1918868	KDMB12M0ERGN KC530M	V118
1918869	KDMB12M0ERGN KC515M	V118
1918870	KDMB16M0ERGN KC530M	V118
1918871	KDMB16M0ERGN KC515M	V118
1918872	KDMB20M0ERGN KC530M	V118
1918873	KDMB20M0ERGN KC515M	V118
1918874	KDMB25M0ERGN KC530M	V118
1918875	KDMB25M0ERGN KC515M	V118
1918878	KDMB32M0ERGN KC530M	V118
1918879	KDMB32M0ERGN KC515M	V118
1918905	KDMS0806ERGN KC515M	V131
1918907	KDMS1008ERGN KC515M	V131
1918909	KDMS1210ERGN KC515M	V131
1918911	KDMS1613ERGN KC515M	V131
1918913	KDMS2016ERGN KC515M	V131
1918917	KDMS3220ERGN KC515M	V131
1918932	KDMT1220ERGN KC515M	V132
1918934	KDMT1630ERGN KC515M	V132
1918936	KDMT2040ERGN KC515M	V132
1920386	MDHX1004ZDFRGD4W KTPK20	S69
1920691	TPGN160304T00520 KY1615	B320
1920692	TPGN160308T00520 KY1615	B320
1920693	SPUN120308T00520 KY1615	B318
1920694	RCGX0907-001 KY1615	B316
1920751	NRD4125R KC5010	C159
1921611	193.395	V113–115
1921612	193.394	V113–115, V130
1921713	193.393	V111–115, V128–130
1921714	193.392	V111–115, V128–130
1921715	193.391	V111–114, V128–130
1921716	193.390	V111–114, V129
1921717	193.389	V112, V114, V129
1923011	NAS3R4 KC5025	D13
1923833	A4G0300M03P02GMP KC5025	C95
1923834	A4R0500M05P00GMP KC5025	C96
1923835	A4G0500M05P04GMP KC5010	C95
1923836	A4G0505M05U04GMN KC5025	C96
1923837	A4G0505M05U08GMN KC5025	C96
1923838	A4G0505M05U04GMP KC5025	C95
1923839	A4G0505M05U08GMP KC5025	C95
1923840	A4G0500M05P08GMP KC5010	C95
1926594	CNMG120402FN KT315	B49
1926595	CNMG120402FN KC5010	B49
1926812	50A03RS45SE14EG	S41
1926836	160C08RS90SD12DG	T102
1926837	125B10RS90SD12DG	T102
1926839	125B07RS90SD12DG	T102
1926840	100B08RS90SD12DG	T102
1926841	100B06RS90SD12DG	T102
1926850	40A03RS45SE14EG	S41
1926893	80A06RS45SE14EG	S41
1926894	80A05RS45SE14EG	S41
1926897	63A05RS45SE14EG	S41
1926898	80A06RS90SD12DG	T102
1926899	63A04RS45SE14EG	S41
1926900	50A04RS45SE14EG	S41
1926901	80A05RS90SD12DG	T102
1926908	160C10RS45SE14EG	S41
1926909	160C07RS45SE14EG	S41
1926911	125B08RS45SE14EG	S41
1926924	125B06RS45SE14EG	S41
1926925	100B07RS45SE14EG	S41
1926926	100B05RS45SE14EG	S41
1926933	63A05RS90SD12DG	T102
1926936	63A04RS90SD12DG	T102
1926938	50A04RS90SD12DG	T102
1926939	50A03RS90SD12DG	T102
1926941	200C14RS90SD12DG	T102
1926942	200C11RS90SD12DG	T102
1926983	160C12RS90SD12DG	T102
1927913	KSEM125R1WN16F45M	H63
1927914	KSEM160R1WN20F45M	H63
1927915	KSEM200R1WN25F45M	H63
1927916	KSEM241R1WN32F45M	H63
1928470	193.371	J77–78
1928504	193.372	J77–78
1928643	5.34032-025115	J78
1928644	5.34032-025200	J78
1928645	5.34050-025300	J78
1928646	5.34050-025450	J78

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1928647	5.34125R025150	J77
1928667	SPHX090304R20 KC7215	J99
1928669	SPHX060204R20 KC7140	J99
1928670	SPHX070304R20 KC7140	J99
1928671	SPHX090304R20 KC7140	J99
1928672	SPHX120404R20 KC7140	J99
1930297	A05XSCLDLS4	B186
1930298	A05XSCLDRS4	B186
1930299	E04HSCLDLS4	B186
1930300	E04HSCLDRS4	B186
1930354	E05HSCFDRS4	B185
1930355	E05HSCLDLS4	B186
1930356	E05HSCLDRS4	B186
1930357	E05MSCLDLS4	B186
1930358	E05MSCLDRS4	B186
1930360	E06HSCFDRS4	B185
1930361	E06HSCLDLS4	B186
1930362	E06HSCLDRS4	B186
1930372	A0410ESCLDRS412	B187
1930374	A0410ESCLDRS425	B187
1930376	A0510ESCFDRS412	B185
1930378	A0510ESCLDRS412	B187
1930380	A0510ESCFDRS425	B185
1930382	A0510ESCLDRS425	B187
1930402	A0612ESCLDRS419	B187
1930404	A0612ESCFDRS431	B185
1930406	E0412DSCLDRS422	B187
1930408	E0512XSCFDRS425	B185
1930410	E0512XSCLDRS425	B187
1930412	E0512XSCFDRS450	B185
1930418	E0612ESCLDRS431	B187
1930434	E0616HSCLDRS431	B187
1930436	E0616XSCFDRS463	B185
1930492	A0616HSTLDR0731	B251
1930512	E0812XSTLDR0738	B252
1930544	A06HSWUPRS3	B273
1930546	A08HSWUPRS3	B273
1930549	E06MSWUPLS3	B273
1930550	E06MSWUPRS3	B273
1930552	E08MSWUPRS3	B273
1930556	A12MSWUPR04	B273
1930558	E10SSWUPR04	B273
1930560	E12SSWUPR04	B273
1930573	A12MSTFDL11	B250
1931147	MS2091	C36–37, C39–40, C112–114, C118
1931554	TTP15	S46–48, U40–49
1931573	MS2077	U40–49, V70–72, V139
1931575	MS2078	S41, T102, U38–39
1937503	CDHBS4T0S0 KC5010	B184
1937504	CDHBS4T0S0 KC5025	B184
1937506	CDHBS4T004 KC5010	B184
1937507	CDHBS4T004 KC5025	B184
1937508	CDHBS4T004 KT315	B184
1937509	CDHBS4T002 KC5010	B184
1937510	CDHBS4T002 KC5025	B184
1937511	CDHBS4T002 KT315	B184
1937512	CDHHS4T002L KC5010	B184
1937513	CDHHS4T002R KC5010	B184
1937514	CDHHS4T002L KC5025	B184
1937515	CDHHS4T002R KC5025	B184
1937516	CDHHS4T002L KT315	B184
1937517	CDHHS4T002R KT315	B184
1937518	CDHHS4T004L KC5010	B184
1937519	CDHHS4T004R KC5010	B184
1937520	CDHHS4T004L KC5025	B184
1937530	GPCD050102 KC5025	B222
1937532	TDHB07T12S0 KC5010	B249
1937534	TDHB07T12S0 KT315	B249
1937535	TDHB07T1202 KC5010	B249
1937536	TDHB07T1202 KC5025	B249
1937538	TDHB07T1204 KC5010	B249
1937539	TDHB07T1204 KC5025	B249
1937540	TDHB07T1204 KT315	B249
1937542	TDHB07T1208 KC5025	B249
1937544	TDHH07T1202L KC5010	B249
1937550	TDHH07T1204L KC5010	B249
1937562	WPGTS30101UF KC5010	B272
1937563	WPGTS30102UF KC5010	B272
1937571	TPCB110202 KC5010	B253
1937580	TPCG110202L KC5010	B253
1937586	TPCG110204L KC5010	B253
1937592	TPCG110208L KC5010	B253
1937598	TPCH110202 KC5010	B253
1937601	TPCH110204 KC5010	B253
1937615	TPCB160302 KC5010	B253
1937618	TPCB160304 KC5010	B253
1937621	TPCB160308 KC5010	B253
1937645	TPGH160308 KC5010	B253
1939528	B977A09700 KC7315	G140
1940731	HTSR10CI	J67
1940732	HTSR11CI	J67
1940738	B513S08000 A30	J68
1940739	B513S08000 AS3	J68
1940740	B513S10000 A30	J68
1940741	B513S10000 AS3	J68
1940783	HTSR12CI	J67
1940784	HTSR13CI	J67
1940785	HTSR14CI	J67
1940786	HTSR10CE	J67
1940787	HTSR11CE	J67
1940788	HTSR12CE	J67
1940789	HTSR13CE	J67
1940790	HTSR14CE	J67
1940958	CNMG120408RP KC5010	B53
1940959	CNMG120416RP KC5010	B53
1940961	CNMG160612RP KC5010	B53
1940965	DNMG150408RP KC5010	B81
1940967	DNMG150416RP KC5010	B81
1940968	DNMG150608RP KC5010	B81
1940971	SNMG120408RP KC5010	B101
1940972	SNMG120412RP KC5010	B101
1940975	SNMG190612RP KC5010	B101
1940977	TNMG160408RP KC5010	B128
1940979	TNMG220408RP KC5010	B128
1940984	VNMG160408RP KC5010	B147
1940986	WNMG080408RP KC5010	B159
1940987	WNMG080412RP KC5010	B159
1941189	B977A12800 KC7315	G141
1941190	B977A15800 KC7315	G142
1942326	HTSR043R025M	J67
1942327	HTSR049R028M	J67
1942328	HTSR052R028M	J67
1942450	B978A12800 KC7315	G148
1942715	193.397	J67
1949633	A4SMR1616K0314	C112
1949634	A4SML1616K0314	C113
1949635	A4SMR2020K0314	C112
1949636	A4SML2020K0314	C113
1949637	A4SMR2525M0317	C112
1949638	A4SML2525M0317	C113
1949639	A4SMR2020K0414	C112
1949640	A4SML2020K0414	C113
1949641	A4SMR2525M0417	C112
1949642	A4SML2525M0417	C113
1949643	A4SMR3225P0417	C112
1949644	A4SML3225P0417	C113
1949645	A4SMR2020K0519	C112
1949646	A4SML2020K0519	C113
1949647	A4SMR2525M0520	C112
1949648	A4SML2525M0520	C113
1949649	A4SMR3225P0522	C112
1949650	A4SML3225P0522	C113
1949651	A4ENN2020K0407	C118
1949652	A4ENN2525M0407	C118
1949654	A4ENN2525M0509	C118
1949655	A20RA4EMR0307M	C119
1949656	A20RA4EML0307M	C119
1949657	A25RA4EMR0310M	C119
1949658	A25RA4EML0310M	C119
1949659	A32SA4EMR0312M	C119
1949660	A32SA4EML0312M	C119
1949661	A20RA4EMR0407M	C119
1949662	A20RA4EML0407M	C119
1949663	A25RA4EMR0410M	C119
1949664	A25RA4EML0410M	C119
1949665	A32SA4EMR0412M	C119
1949666	A32SA4EML0412M	C119
1949667	A40TA4EMR0416M	C119
1949668	A40TA4EML0416M	C119
1949669	A32SA4EMR0516M	C119
1949670	A32SA4EML0516M	C119
1949671	A40TA4EMR0516M	C119
1949672	A40TA4EML0516M	C119
1950709	SECW1404AESNGN KY3500	S43
1950974	B978F06800 KC7315	G149
1950975	B978F10200 KC7315	G149
1952700	A4G0305M03U02GMN KC5010	C96
1952701	A4G0305M03U02GMN KC5025	C96
1952702	A4G0305M03U04GMN KC5010	C96
1952733	A4G0305M03U04GMN KC5025	C96
1952734	A4G0405M04U04GMN KC5010	C96
1952735	A4G0405M04U04GMN KC5025	C96
1952736	A4G0405M04U08GMN KC5010	C96
1952737	A4G0405M04U08GMN KC5025	C96
1952738	A4G0505M05U04GMN KC5010	C96
1952740	A4G0505M05U08GMN KC5010	C96
1952742	A4G0305M03U02GMP KT315	C95
1952743	A4G0305M03U02GMP KC5010	C95
1952744	A4G0305M03U02GMP KC5025	C95
1952745	A4G0305M03U04GMP KT315	C95
1952746	A4G0305M03U04GMP KC5010	C95
1952747	A4G0305M03U04GMP KC5025	C95
1952748	A4G0405M04U04GMP KT315	C95
1952749	A4G0405M04U04GMP KC5010	C95
1952750	A4G0405M04U04GMP KC5025	C95
1952751	A4G0405M04U08GMP KT315	C95
1952752	A4G0405M04U08GMP KC5010	C95
1952753	A4G0405M04U08GMP KC5025	C95
1952755	A4G0505M05U04GMP KC5010	C95
1952758	A4G0505M05U08GMP KC5010	C95
1952760	A4G0300M03P02GMP KC5010	C95
1952762	A4G0300M03P04GMP KC5010	C95
1952763	A4G0300M03P04GMP KC5025	C95
1952764	A4G0400M04P02GMP KC5010	C95
1952765	A4G0400M04P02GMP KC5025	C95
1952766	A4G0400M04P04GMP KC5010	C95
1952767	A4G0400M04P04GMP KC5025	C95
1952768	A4G0400M04P08GMP KC5010	C95
1952769	A4G0400M04P08GMP KC5025	C95
1952771	A4G0500M05P04GMP KC5025	C95
1952773	A4G0500M05P08GMP KC5025	C95
1952774	A4R0405M04U00GMN KC5010	C97
1952775	A4R0405M04U00GMN KC5025	C97
1952776	A4R0505M05U00GMN KC5010	C97
1952777	A4R0505M05U00GMN KC5025	C97
1952778	A4R0400M04P00GMP KC5010	C96
1952779	A4R0400M04P00GMP KC5025	C96
1952780	A4R0500M05P00GMP KC5010	C96
1952847	A4C0305N00CF02 KC5025	C102
1952848	A4C0305R06CF02 KC5025	C103
1952849	A4C0305L06CF02 KC5025	C103
1953085	A4G0300M03P02GMP K313	C95
1953086	A4G0300M03P04GMP K313	C95
1953087	A4G0400M04P02GMP K313	C95
1953088	A4G0400M04P04GMP K313	C95
1953090	A4G0500M05P04GMP K313	C95
1953091	A4G0500M05P08GMP K313	C95
1953092	A4R0400M04P00GMP K313	C96
1953153	A4R0500M05P00GMP K313	C96
1956732	MDHX1004ZDERGD4W KC520M	S69
1957573	MS2090	C118
1957789	B966A05900 KC7315	G132
1959586	B977F11800 KC7315	G144
1959664	B977A05600 KC7315	G139
1959665	B977A03300 KC7315	G138
1959666	B977A06900 KC7315	G139
1960078	B977A14900 KC7315	G141
1960079	B977A15100 KC7315	G141
1961106	B976A09700 KC7315	G140
1961108	B966A03200 KC7315	G132
1962704	B977F06900 KC7315	G144
1962705	B977F05600 KC7315	G143
1962706	B977F03300 KC7315	G143
1963407	DFR200R4WD32M	J12
1963864	QC26	B250
1967470	SN7T	W40
1969942	B966F06400 KC7315	G135
1970003	B966F08400 KC7315	G135
1970761	B977F05100 KC7315	G143
1971584	B978A09750 KC7315	G147
1971763	B977A08900 KC7315	G140
1972376	B966A13200 KC7315	G134
1974209	SPHX090310R20 KC7215	J99
1975006	B977A05200 KC7315	G139
1980539	BGHX15L504PCFRGG K110M	S149
1981264	BGHX15L508PCFRGG K110M	S149
1981677	50A05RS90SP10DG	T98
1981678	63A06RS90SP10DG	T98
1981679	25A02R039B25SSP10G	T97
1981758	BGHX15L515PCFRGG K110M	S149
1981759	BGHX15L515PCFRGG KC510M	S149
1981788	32A03R039B32SSP10G	T97
1981790	40A04R049B32SSP10G	T97
1981853	80A08RS90SP10DG	T98
1981854	100B10RS90SP10DG	T98
1982315	DFT030204HP KMF	J87
1982316	DFT030304HP KMF	J87
1982318	MDHX1004ZDFLGD4W K110M	S69
1982397	B966A06200 KC7315	G132
1982560	200C12RP90BG15C12WHPM	S146
1983309	3.42805R081 KC7215	I27
1983310	3.42807R081 KC7215	I27
1983992	CCMT120408LF KC5025	B177
1984003	CCMT09T308MF KC5025	B177
1984183	B976A05200 KC7315	G139
1984545	B978A11200 KC7315	G147
1985037	B966A06700 KC7315	G133
1985038	B966A08200 KC7315	G133
1985751	KLM34L9IP	B59, B85, B132, B149–150, B161
1985784	KMSP315IP	B59, B85, B89–90, B132, B137, B149–150, B152, B161
1985792	TTP9	U27–35
1985985	B978A10800 KC7315	G147
1986652	B977A08200 KC7315	G140
1986773	B976A06200 KC7315	G139
1987659	SPHX1205PCSRGPB KCK15	S77
1988099	B966A06900 KC7315	G133
1988100	B966A07900 KC7315	G133
1988291	B977F08100 KC7315	G144
1988931	B977A05700 KC7315	G139
1988932	B976A05300 KC7315	G139
1988983	B976A08700 KC7315	G140
1989347	A4M50L0314M	C124
1989348	A4M50R0314M	C124
1989349	A4M50L0414M	C124
1989350	A4M50R0414M	C124
1989351	A4M50L0519M	C124
1989352	A4M50R0519M	C124
1989874	B977F10800 KC7315	G144
1990689	SECW1404AEENGNW KC725M	S43
1991229	B966A12600 KC7315	G134
1992230	B977A07700 KC7315	G140
1992232	B966A10400 KC7315	G133
1992822	B105A04600 K10	G32
1993391	KSEM136R1WN16F45M	H63
1993392	KSEM146R1WN20F45M	H63
1993403	KSEM181R1WN25F45M	H63
1993404	KSEM221R1WN25F45M	H63
1993405	KSEM261R1WN32F45M	H63
1993406	KSEM281R1WN32F45M	H63
1993407	KSEM301R1WN32F45M	H63
1993408	KSEM321R1WD50F45M	H63
1993409	KSEM361R1WD50F45M	H63
1993552	THW2M	T58–59, V72, V78, V137–139
1994080	FAS100302GD KC7215	H33
1994291	TTP20	S53, V153–154
1995000	B966A05100 KC7315	G132
1995002	B966A08600 KC7315	G133
1995073	B966A09400 KC7315	G133
1995074	B966A10100 KC7315	G133
1995075	B966A11400 KC7315	G134
1995076	B966A12100 KC7315	G134
1995580	F4AJ0600AWS50L090 KC633M	P145
1995581	F4AJ0800AWM50L120 KC633M	P145
1995582	F4AJ1000AWM50L150 KC633M	P145
1995585	F4AJ1600AWL50L240 KC633M	P145
1995586	F4AJ2000AWL50L300 KC633M	P145
1995587	F5AJ2500AWX50L380 KC633M	P145
1995588	F4AJ0600AWS50R025 KC633M	P144
1995589	F4AJ0600AWS50R050 KC633M	P144
1995590	F4AJ0800AWM50R050 KC633M	P144
1995591	F4AJ0800AWM50R100 KC633M	P144
1995592	F4AJ1000AWL50R050 KC633M	P144

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
1995593	F4AJ1000AWL50R100 KC633M	P144
1995594	F4AJ1200AWL50R050 KC633M	P144
1995595	F4AJ1200AWL50R150 KC633M	P144
1995596	F4AJ1600AWL50R050 KC633M	P144
1995597	F4AJ1600AWL50R150 KC633M	P144
1995598	F4AJ2000AWX50R050 KC633M	P144
1995599	F4AJ2000AWX50R200 KC633M	P144
1996057	F2AL0100AWL30 KC637M	P148
1996058	F2AL0150AWL30 KC637M	P148
1996059	F2AL0200AWL30 KC637M	P148
1996060	F2AL0300AWL30 KC637M	P148
1996061	F2AL0400AWL30 KC637M	P148
1996062	F2AL0500AWL30 KC637M	P148
1996063	F2AL0600AWL30 KC637M	P148
1996064	F2AL0800AWL30 KC637M	P148
1996065	F2AL1000AWM30 KC637M	P148
1996066	F2AL1200AWM30 KC637M	P148
1996067	F2AL1600AWM30 KC637M	P148
1996068	F2AL0600AWM30 KC637M	P149
1996069	F2AL0800AWM30 KC637M	P149
1996070	F2AL1000AWL30 KC637M	P149
1996071	F2AL1200AWX30 KC637M	P149
1996072	F2AL1600AWX30 KC637M	P149
1996084	F2AL0050AWS30 KC637M	P165
1996087	F2AL0100AWS30 KC637M	P165
1996089	F2AL0150AWS30 KC637M	P165
1996090	F2AL0200AWS30 KC637M	P165
1996091	F2AL0250AWS30 KC637M	P165
1996092	F2AL0300AWS30 KC637M	P165
1996155	F6AV0600ADL45 KC637M	P146
1996156	F6AV0800ADL45 KC637M	P146
1996157	F6AV1000ADL45 KC637M	P146
1996158	F6AV1200ADL45 KC637M	P146
1996159	F6AV1600ADL45 KC637M	P146
1996160	F8AV2000ADL45 KC637M	P146
1996161	F6AV0600AWM45 KC637M	P146
1996162	F6AV0800AWM45 KC637M	P146
1996183	F6AV1000AWL45 KC637M	P146
1996184	F6AV1200AWL45 KC637M	P146
1996185	F6AV1600AWX45 KC637M	P146
1996186	F8AV2000AWX45 KC637M	P146
1996187	F8AV2500AWX45 KC637M	P146
1996188	F8AV2500ADL45 KC637M	P146
1996211	F4AL0300AWL30L040 KC637M	P151
1996212	F4AL0300AWM30L040 KC637M	P151
1996213	F4AL0400AWL30L050 KC637M	P151
1996214	F4AL0400AWM30L050 KC637M	P151
1996215	F4AL0500AWL30L060 KC637M	P151
1996216	F4AL0500AWM30L060 KC637M	P151
1996217	F4AL0600AWL30L080 KC637M	P151
1996218	F4AL0600AWM30L080 KC637M	P151
1996219	F4AL0800AWL30L120 KC637M	P151
1996220	F4AL0800AWX30L120 KC637M	P151
1996221	F4AL1000AWL30L150 KC637M	P151
1996222	F4AL1000AWX30L150 KC637M	P151
1996223	F2AL0200AWM20 KC637M	P147
1996224	F2AL0300AWM20 KC637M	P147
1996225	F2AL0400AWL20 KC637M	P147
1996226	F2AL0500AWL20 KC637M	P147
1996227	F2AL0600AWL20 KC637M	P147
1996228	F2AL0800AWL20 KC637M	P147
1996229	F2AL1000AWL20 KC637M	P147
1996230	F2AL1200AWX20 KC637M	P147
1996243	F2AT0200AWM20R005 KC637M	P142
1996244	F2AT0300AWM20R005 KC637M	P142
1996245	F2AT0400AWL20R005 KC637M	P142
1996246	F2AT0500AWL20R005 KC637M	P142
1996247	F2AT0600AWL20R010 KC637M	P142
1996248	F2AT0800AWL20R020 KC637M	P142
1996249	F2AT1000AWL20R030 KC637M	P142
1996276	F2AT0200AWM20R003 KC637M	P142
1996277	F2AT0300AWM20R010 KC637M	P142
1996278	F2AT0400AWL20R010 KC637M	P142
1996279	F2AT0500AWL20R010 KC637M	P142
1996280	F2AT0600AWL20R005 KC637M	P142
1996281	F2AT0800AWL20R010 KC637M	P142
1996282	F2AT1000AWL20R020 KC637M	P142
1996283	F2AT1200AWX20R030 KC637M	P142
1997389	B966A08100 KC7315	G133
1997391	B966A11800 KC7315	G134
1998276	CNGA120404E KD1405	B344
1998277	CNGA120408E KD1405	B344
1998279	CNMS120408E KD1405	B345
1998280	DNGA150404E KD1405	B346
1998287	VNMS160404E KD1405	B350
1998288	VNMS160408E KD1405	B350
1998291	CPGW060204E KD1405	B345
1998293	CPGW09T304E KD1405	B345
1998296	DPGW11T304E KD1405	B347
1998302	VBGW160408E KD1405	B349
1998336	A4G0300M03P04E KD1405	B352, C100
1998337	A4G0400M04P04E KD1405	B352, C100
1998338	A4G0500M05P08E KD1405	B352, C100
1998340	A4R0500M05P00E KD1405	B352, C101
1998358	63A06RP00MD10CF	S68
1998359	63A04RP00MD10CF	S68
1998947	B966A09600 KC7315	G133
2001853	B977F06100 KC7315	G144
2006399	12748308500	S94
2008288	12748601000	S32–33
2016107	80A10RF45HN09C	S89
2016109	100B14RF45HN09C	S89
2016111	125B18RF45HN09C	S89
2016133	160C22RF45HN09C	S89
2016165	80A62RF60HN09C	S94
2016167	100B82RF60HN09C	S94
2016169	125B123RF60HN09C	S94
2016171	160C164RF60HN09C	S94
2016193	200C205RF60HN09C	S94
2018142	12748358200	S89, S94, S102–103, S110
2018164	12748500200	S95
2018166	12748500400	S95
2018285	12148006000	T24
2018296	MS2260	V60
2018679	12148068700	K111–113
2029553	12148044900	S32–33, S89, S94, S102–103, S110
2032259	12748600900	S89, S94, S102–103
2033468	12748503400	S95
2033774	63A03RP90BG15CM	S143
2033852	360.660	H64
2033863	360.661	H64
2033865	360.663	H64
2033866	360.664	H64
2033867	360.665	H64
2033868	360.666	H64
2033869	360.667	H64
2033870	360.668	H64
2033871	360.669	H64
2033872	360.670	H64
2034084	MDHX1004ZDFLGD4W KC520M	S69
2035319	DFR190R4WD32M	J12
2035688	OFPT07L6AFSNHB KC725M	S55
2035689	OFPT07L6AFENGB KC725M	S55
2036154	B976A08100 KC7315	G140
2036529	KSEM1700HPM KC7315	H40
2036530	KSEM2200HPM KC7315	H40
2036531	KSEM1750HPM KC7315	H40
2036532	KSEM2000HPM KC7315	H40
2036604	KSEM3200HPM KC7315	H41
2036605	KSEM1400HPM KC7315	H40
2036606	KSEM1500HPM KC7315	H40
2036607	KSEM2250HPM KC7315	H40
2036608	KSEM1600HPM KC7315	H40
2036609	KSEM2600HPM KC7315	H41
2036612	KSEM2650HPM KC7315	H41
2036703	KSEM3300HPM KC7315	H41
2036704	KSEM2700HPM KC7315	H41
2036705	KSEM2100HPM KC7315	H40
2036706	KSEM2050HPM KC7315	H40
2036882	KSEM1800HPM KC7315	H40
2036903	KSEM2300HPM KC7315	H40
2036904	KSEM2400HPM KC7315	H40
2036905	KSEM3000HPM KC7315	H41
2036906	KSEM1250HPM KC7315	H40
2036907	KSEM1450HPM KC7315	H40
2036909	KSEM1300HPM KC7315	H40
2036910	KSEM2500HPM KC7315	H40
2036911	KSEM1650HPM KC7315	H40
2036912	KSEM3900HPM KC7315	H41
2036923	KSEM2900HPM KC7315	H41
2036924	KSEM1350HPM KC7315	H40
2036953	KSEM3050HPM KC7315	H41
2036954	KSEM1560HPM KC7315	H40
2036955	KSEM1900HPM KC7315	H40
2036956	KSEM2150HPM KC7315	H40
2036957	KSEM3500HPM KC7315	H41
2037058	B966A06400 KC7315	G133
2037059	B967A10000 KC7315	G133
2038613	B966A06050 KC7315	G132
2038795	B977F15200 KC7315	G145
2040139	DFR220R4WD32M	J12
2040680	B977A04300 KC7315	G139
2040682	B966A03900 KC7315	G132
2041877	B977F03700 KC7315	G143
2043136	B966A10600 KC7315	G133
2043137	B966A11600 KC7315	G134
2043415	B978A05700 KC7315	G146
2043417	B977A10600 KC7315	G141
2043418	B977A14600 KC7315	G141
2043552	KSEM3950HPM KC7315	H41
2043779	B977A06100 KC7315	G139
2044606	B978A11800 KC7315	G147
2044834	B976A19700 KC7315	G142
2045222	B966A05300 KC7315	G132
2045293	DFT030204HP KC7140	J87
2045294	DFT030304HP KC7140	J87
2045616	B978A11400 KC7315	G147
2045646	KSEM2950HPM KC7315	H41
2045820	B977A12300 KC7315	G141
2045822	B977A11600 KC7315	G141
2045867	B976A16800 KC7315	G142
2046287	B977F14200 KC7315	G145
2047379	KSEM1270HPM KC7315	H40
2047380	KSEM1280HPM KC7315	H40
2047382	KSEM1310HPM KC7315	H40
2047393	KSEM1320HPM KC7315	H40
2047395	KSEM1370HPM KC7315	H40
2047396	KSEM1380HPM KC7315	H40
2047397	KSEM1389HPM KC7315	H40
2047398	KSEM1410HPM KC7315	H40
2047399	KSEM1420HPM KC7315	H40
2047400	KSEM1429HPM KC7315	H40
2047401	KSEM1440HPM KC7315	H40
2047403	KSEM1468HPM KC7315	H40
2047404	KSEM1480HPM KC7315	H40
2047405	KSEM1508HPM KC7315	H40
2047406	KSEM1530HPM KC7315	H40
2047408	KSEM1550HPM KC7315	H40
2047409	KSEM1570HPM KC7315	H40
2047410	KSEM1580HPM KC7315	H40
2047411	KSEM1609HPM KC7315	H40
2047412	KSEM1620HPM KC7315	H40
2047413	KSEM1627HPM KC7315	H40
2047414	KSEM1667HPM KC7315	H40
2047415	KSEM1707HPM KC7315	H40
2047416	KSEM1746HPM KC7315	H40
2047417	KSEM1786HPM KC7315	H40
2047418	KSEM1826HPM KC7315	H40
2047419	KSEM1850HPM KC7315	H40
2047420	KSEM1865HPM KC7315	H40
2047421	KSEM1905HPM KC7315	H40
2047422	KSEM1927HPM KC7315	H40
2047423	KSEM1950HPM KC7315	H40
2047424	KSEM1984HPM KC7315	H40
2047425	KSEM2024HPM KC7315	H40
2047426	KSEM2064HPM KC7315	H40
2047427	KSEM2143HPM KC7315	H40
2047428	KSEM2183HPM KC7315	H40
2047429	KSEM2223HPM KC7315	H40
2047430	KSEM2244HPM KC7315	H40
2047431	KSEM2342HPM KC7315	H40
2047432	KSEM2350HPM KC7315	H40
2047433	KSEM2381HPM KC7315	H40
2047434	KSEM2450HPM KC7315	H40
2047435	KSEM2461HPM KC7315	H40
2047436	KSEM2540HPM KC7315	H40
2047437	KSEM2550HPM KC7315	H40
2047438	KSEM2567HPM KC7315	H40
2047439	KSEM2619HPM KC7315	H41
2047440	KSEM2659HPM KC7315	H41
2047441	KSEM2750HPM KC7315	H41
2047442	KSEM2778HPM KC7315	H41
2047443	KSEM2800HPM KC7315	H41
2047444	KSEM2818HPM KC7315	H41
2047445	KSEM2850HPM KC7315	H41
2047446	KSEM2858HPM KC7315	H41
2047447	KSEM2937HPM KC7315	H41
2047448	KSEM2977HPM KC7315	H41
2047449	KSEM3100HPM KC7315	H41
2047450	KSEM3150HPM KC7315	H41
2047451	KSEM3175HPM KC7315	H41
2047452	KSEM3250HPM KC7315	H41
2047453	KSEM3334HPM KC7315	H41
2047456	KSEM3400HPM KC7315	H41
2047458	KSEM3550HPM KC7315	H41
2047460	KSEM3600HPM KC7315	H41
2047464	KSEM3750HPM KC7315	H41
2047465	KSEM3800HPM KC7315	H41
2047466	KSEM3810HPM KC7315	H41
2047468	KSEM3850HPM KC7315	H41
2047469	KSEM4000HPM KC7315	H41
2047470	KSEM1588HPM KC7315	H40
2047471	KSEM1945HPM KC7315	H40
2047472	KSEM3016HPM KC7315	H41
2047474	KSEM3096HPM KC7315	H41
2047477	KSEM3413HPM KC7315	H41
2047478	KSEM3493HPM KC7315	H41
2047587	B978F15000 KC7315	G149
2047698	OFPT07L6AFSNHB KC522M	S55
2047701	OFPT07L6AFENGB KC522M	S55
2047751	B977F08600 KC7315	G144
2049487	B977A05100 KC7315	G139
2049488	B977A11800 KC7315	G141
2049489	B977A12200 KC7315	G141
2049505	B977F05550 KC7315	G143
2050081	MS2111	C166–169, D27–30, D36
2050230	B978A09800 KC7315	G147
2057426	MTFNL12CA16	B139
2071739	MSSNL12CA12	B117
2071758	MSSNL10CA09	B117
2072222	MSKNR20CA15	B115
2074429	MTFNR16CA16	B139
2074430	MSKNR16CA12	B115
2074432	MSRNR16CA12	B116
2074433	MCFNR16CA12	B70
2074904	MSTNR12CA12	B118
2077947	MCLNL12CA12	B72
2078231	MSRNR12CA12	B116
2078236	MTFNR12CA16	B139
2079654	NG3189R KC5010	C154
2114011	MSKNR10CA09	B115
2114013	MSKNR12CA12	B115
2114015	MSYNR10CA09	B119
2114034	CTFPL10CA11	B378
2114041	MTGNR12CA16	B140
2116588	CTFPR10CA11	B378
2193621	MTFNL16CA16	B139
2202438	KRBB10FABDRS204C	K74, K96
2202439	KRBB10SCLDR4060C	K74, K96
2202440	KRBB10SCFPR06085C	K74, K96
2202450	KRBB10SCFPR06110C	K74, K97
2202451	KRBB10SCFPR06135C	K74, K97
2202510	B977A05300 KC7315	G139
2203486	B966A08400 KC7315	G133
2203489	B977A03900 KC7315	G138
2203577	B977A12600 KC7315	G141
2203579	B977A07100 KC7315	G139
2203787	B977A16200 KC7315	G142
2203834	B977A08700 KC7315	G140
2204113	B977F21000 KC7315	G145
2204114	B977F06700 KC7315	G144
2204116	B966A13300 KC7315	G134
2204393	CBTF150R2WD20N2M	J98
2204394	CBTF160R2WD20N2M	J98
2204395	CBTF170R2WD20N2M	J98
2204396	CBTF200R2WD20N2M	J98
2204397	CBTF210R2WD20N2M	J98
2204398	CBTF210R2WD20N3M	J98
2204399	CBTF220R2WD20N2M	J98
2204400	CBTF230R2WD20N3M	J98
2204401	CBTF250R2WD20N3M	J98

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2204402	CBTF340R2WD32N3M	J98
2204403	CBTF350R2WD32N3M	J98
2204404	CBTF380R2WD32N3M	J98
2204405	CBTF180R2WD20N2M	J98
2204406	CBTF230R2WD20N2M	J98
2204407	CBTF250R2WD20N2M	J98
2204408	CBTF240R2WD20N3M	J98
2204409	CBTF270R2WD20N3M	J98
2209877	B976F05100 KC7315	G143
2210084	LNEQ1245R04 KCPK30	U20
2210086	LNEU1245R04 KCPK30	U19
2210095	SDET1204PDSRGB KCPK30	T105, T112, U51
2210766	OFPT07L6AFSNHB KCPK30	S55
2210767	OFPT07L6AFENGB KCPK30	S55
2210826	40A02RP90BG15CM	S143
2210827	50A03RP90BG15CM	S143
2210828	80A03RP90BG15CM	S143
2210829	100B04RP90BG15CM	S143
2210830	125B05RP90BG15CM	S143
2210831	160C06RP90BG15CM	S143
2212773	OFKT07L6AFSNHB KC522M	S55
2213696	B966A03300 KC7315	G132
2213700	B966A04300 KC7315	G132
2213701	B966A04400 KC7315	G132
2213726	B977F05300 KC7315	G143
2213842	193.409	S53, V153
2213947	WNMG060408RP KC5010	B159
2213962	CCMT120412MF KC5025	B177
2214237	B978A15200 KC7315	G148
2214926	B966A11300 KC7315	G133
2215328	B976F05200 KC7315	G143
2217005	B966A07700 KC7315	G133
2217646	NTB3L12B KC5010	D20
2217647	NTB3R12B KC5010	D20
2217898	B976A13300 KC7315	G141
2218437	SNHX1103T KCPK30	U14
2218492	B977A09200 KC7315	G140
2219248	B977F06200 KC7315	G144
2220306	LNEQ1245R04 KCK15	U20
2220307	LNEQ1250R04 KCK15	U20
2220308	LNEQ1255R04 KCK15	U20
2220309	LNEQ1260R04 KCK15	U20
2220334	SPGN090308 KCK15	B169
2220598	F3AH0050AWS30 KC635M	P164
2220599	F3AH0060AWS30 KC635M	P164
2220600	F3AH0080AWS30 KC635M	P164
2220601	F3AH0100AWS30 KC635M	P164
2220602	F3AH0120AWS30 KC635M	P164
2220633	F3AH0150AWS30 KC635M	P164
2220651	F3AH0200AWS30 KC635M	P164
2220652	F3AH0250AWS30 KC635M	P164
2220653	F3AH0300AWS30 KC635M	P164
2220714	MDHX1004ZDERGD KC520M	S69
2220855	B966A06100 KC7315	G132
2220856	B966A06600 KC7315	G133
2220857	B966A14800 KC7315	G134
2221944	OFPT07L6AFENGB KCK15	S55
2221945	OFPT07L6AFSNHB KCK15	S55
2222651	B976A08600 KC7315	G140
2224587	B976A05600 KC7315	G139
2224588	B976A09100 KC7315	G140
2226032	VNMG160404MS K313	B146
2226630	B976A14100 KC7315	G141
2226662	B977A12900 KC7315	G141
2227124	3.90016SNGB KCPK30	U9
2227125	3.90016SNGD KCPK30	U9
2227126	3.90022SNGB KCPK30	U9
2227127	3.90022SNGD KCPK30	U9
2227128	3.90030SNGB KCPK30	U9
2227129	3.90030SNGD KCPK30	U9
2227130	3.90040SNGB KCPK30	U9
2227131	3.90040SNGD KCPK30	U9
2227145	SNHX1102PZTNGP KCPK30	U15
2227147	SNHX1203PZTNGP KCPK30	U15
2227149	SNHX12L4PZTNGP KCPK30	U15
2227150	SNHX12L5PZTNGP KCPK30	U15
2227155	SPHX1205PCERGPB KCPK30	S77
2227156	SPHX1205PCERGN1WB KCPK30	S78
2227157	SPHX1205PCSRGPB KCPK30	S77
2227159	SPHX1205ZCERGP KCPK30	S73
2227160	SPHX1205ZCSRGP KCPK30	S73
2227161	SPHX15T6PCERGP KCPK30	S83
2227162	SPHX15T6PCSRGP KCPK30	S83
2227164	SPHX15T6ZCERGP KCPK30	S80
2227165	SPHX15T6ZCSRGP KCPK30	S80
2227264	B977F08200 KC7315	G144
2227338	B966A10300 KC7315	G133
2227374	OFKT07L6AFENGB KC520M	S55
2227380	OFKT07L6AFSNHB KC520M	S55
2227984	B976A12800 KC7315	G141
2228362	B977A05900 KC7315	G139
2229054	B977A19200 KC7315	G142
2229055	B966A10800 KC7315	G133
2229138	B977A13300 KC7315	G141
2229285	THW3M	U27–35, U40–49
2229362	B256A16000 KC7315	G63
2229364	B256A13500 KC7315	G63
2229365	B256A11000 KC7315	G63
2229366	B256A14000 KC7315	G63
2229393	B256A08800 KC7315	G63
2229412	OFKT07L6AFSNHB KCPK30	S55
2229543	OFKT07L6AFENGB KC522M	S55
2229547	CNGG120404FS KC5010	B46
2229549	CNGG120404FS KC5025	B46
2229550	CNGG120408FS KC5010	B46
2229551	CNGG120408FS KC5025	B46
2229552	DNGG150402FS KC5010	B74
2229644	DNGG150404FS KC5010	B74
2229645	DNGG150404FS KC5025	B74
2229646	DNGG150408FS KC5010	B74
2229648	CNMG120402MS KC5010	B52
2229649	CNMG120402MS KC5025	B52
2229651	CNMG120401MS KC5010	B52
2229652	CNMG120401MS KC5025	B52
2229653	CNMG120404MS K313	B52
2229654	CNMG120404MS KC5010	B52
2229655	CNMG120404MS KC5025	B52
2229656	CNMG120408MS K313	B52
2229657	CNMG120408MS KC5010	B52
2229659	CNMG120408MS KC5025	B52
2229660	DNMG150404MS K313	B79
2229661	DNMG150404MS KC5010	B79
2229662	DNMG150404MS KC5025	B79
2229693	DNMG150408MS K313	B79
2229694	DNMG150408MS KC5010	B79
2229695	DNMG150408MS KC5025	B79
2229696	VNMG160404MS KC5010	B146
2229697	VNMG160404MS KC5025	B146
2230052	B978F12000 KC7315	G149
2230406	B977A14200 KC7315	G141
2230539	B977A06700 KC7315	G139
2231579	B966A07200 KC7315	G133
2231776	B976A06600 KC7315	G139
2231777	B976A08300 KC7315	G140
2231778	B976A09600 KC7315	G140
2231830	B966A12300 KC7315	G134
2233364	B977A16600 KC7315	G142
2234423	OFKT07L6AFENGB KCPK30	S55
2234816	A4C0405N00CF02 KC5025	C102
2234819	A4C0305R10CF02 KC5025	C103
2234821	A4C0405R10CF02 KC5025	C103
2234823	A4R0305M03U00GMN KC5025	C97
2234824	A4R0305M03U00GMN KC5010	C97
2234825	A4R0300M03P00GMP KC5025	C96
2234826	A4R0300M03P00GMP KC5010	C96
2235124	B978A19840 KC7315	G148
2235210	A4R0300M03P00GMP K313	C96
2236065	B977A08400 KC7315	G140
2239620	DCMT11T308FW KT315	B207
2239685	DCMT11T304FW KC5010	B207
2240351	B977A10300 KC7315	G140
2240426	HNEN0905XNSN KY3500	S92, S98
2240427	HNEN0905AMSN KY3500	S92, S98
2242390	B966A05600 KC7315	G132
2242780	B978A06600 KC7315	G146
2244229	B977A08100 KC7315	G140
2244276	B977A18800 KC7315	G142
2244883	CNMG120412MS KC5010	B52
2244884	CNMG120416MS KC5010	B52
2244885	CNMG160608MS KC5010	B52
2244886	CNMG160612MS KC5010	B52
2244887	CNMG190608MS KC5010	B52
2244888	CNMG190612MS KC5010	B52
2244891	DNMG150402MS KC5010	B79
2244892	DNMG150412MS KC5010	B79
2244893	DNMG150604MS KC5010	B79
2244894	DNMG150608MS KC5010	B79
2244896	SNMG120408MS KC5010	B99
2244897	SNMG120412MS KC5010	B99
2244901	TNMG160402MS KC5010	B126
2244902	TNMG160404MS KC5010	B126
2244903	TNMG160408MS KC5010	B126
2244904	TNMG220404MS KC5010	B126
2244905	TNMG220408MS KC5010	B126
2244910	VNMG160401MS KC5010	B146
2244911	VNMG160402MS KC5010	B146
2244912	VNMG160408MS KC5010	B146
2244913	VNMG220404MS KC5010	B146
2244914	VNMG220408MS KC5010	B146
2244916	WNMG080402MS KC5010	B158
2244917	WNMG080404MS KC5010	B158
2244918	WNMG080408MS KC5010	B158
2244919	CNMG120412MS KC5025	B52
2244920	CNMG120416MS KC5025	B52
2244921	CNMG160608MS KC5025	B52
2244922	CNMG160612MS KC5025	B52
2244923	CNMG190608MS KC5025	B52
2244924	CNMG190612MS KC5025	B52
2244929	DNMG150604MS KC5025	B79
2244930	DNMG150608MS KC5025	B79
2244931	DNMG150612MS KC5025	B79
2244932	SNMG120408MS KC5025	B99
2244936	SNMG190612MS KC5025	B99
2244937	TNMG160402MS KC5025	B126
2244938	TNMG160404MS KC5025	B126
2244939	TNMG160408MS KC5025	B126
2244940	TNMG220404MS KC5025	B126
2244941	TNMG220408MS KC5025	B126
2244943	TNMG270608MS KC5025	B126
2244947	VNMG160402MS KC5025	B146
2244948	VNMG160408MS KC5025	B146
2244950	VNMG220408MS KC5025	B146
2244953	WNMG080404MS KC5025	B158
2244954	WNMG080408MS KC5025	B158
2244955	CNMG120412MS K313	B52
2244958	CNMG160612MS K313	B52
2244965	DNMG150604MS K313	B79
2244966	DNMG150608MS K313	B79
2244977	TNMG220408MS K313	B126
2244981	TNMG270616MS K313	B126
2244983	VNMG160402MS K313	B146
2244984	VNMG160408MS K313	B146
2244989	WNMG080404MS K313	B158
2244990	WNMG080408MS K313	B158
2245036	TNMG220432RP KC5010	B128
2245037	TNMG270612RP KC5010	B128
2245045	CNMG120408RP KC5025	B53
2245046	CNMG120412RP KC5025	B53
2245048	CNMG160608RP KC5025	B53
2245049	CNMG160612RP KC5025	B53
2245050	CNMG160616RP KC5025	B53
2245051	CNMG190612RP KC5025	B53
2245053	DNMG150408RP KC5025	B81
2245056	DNMG150608RP KC5025	B81
2245059	SNMG120408RP KC5025	B101
2245060	SNMG120412RP KC5025	B101
2245063	SNMG190612RP KC5025	B101
2245064	SNMG190616RP KC5025	B101
2245065	TNMG160408RP KC5025	B128
2245066	TNMG160412RP KC5025	B128
2245067	TNMG220408RP KC5025	B128
2245074	VNMG160408RP KC5025	B147
2245076	WNMG080408RP KC5025	B159
2245079	DNMG110408RP KC5010	B81
2245088	SNMG120416RP KC5025	B101
2245191	B977A09900 KC7315	G140
2245263	B977A15900 KC7315	G142
2245484	A4SMR2525M0620	C112
2245485	A4SMR2525M0820	C112
2245486	A4SML2525M0620	C113
2245487	A4SML2525M0820	C113
2245738	SPHX060202R20 KC7215	J99
2245739	SPHX060206R20 KC7215	J99
2245740	SPHX060208R20 KC7215	J99
2245741	SPHX070302R20 KC7215	J99
2245742	SPHX070306R20 KC7215	J99
2245833	SPHX070308R20 KC7215	J99
2245834	SPHX070312R20 KC7215	J99
2245836	SPHX090312R20 KC7215	J99
2245837	SPHX090316R20 KC7215	J99
2245839	SPHX120410R20 KC7215	J99
2245840	SPHX120416R20 KC7215	J99
2245841	SPHX120420R20 KC7215	J99
2245843	SPHX150512R20 KC7215	J99
2245844	SPHX150516R20 KC7215	J99
2245845	SPHX150520R20 KC7215	J99
2245846	SPHX060202R21 KC7215	J100
2245847	SPHX060206R21 KC7215	J100
2245848	SPHX060208R21 KC7215	J100
2245849	SPHX070306R21 KC7215	J100
2245851	SPHX070310R21 KC7215	J100
2245853	SPHX090310R21 KC7215	J100
2245854	SPHX090312R21 KC7215	J100
2245855	SPHX090316R21 KC7215	J100
2245856	SPHX120408R21 KC7215	J100
2245857	SPHX120410R21 KC7215	J100
2245858	SPHX120416R21 KC7215	J100
2245859	SPHX120420R21 KC7215	J100
2245860	SPHX070310R20 KC7215	J99
2245861	SPHX120412R20 KC7215	J99
2245862	SPHX120412R21 KC7215	J100
2245972	HNEN090508MSN KY3500	S92, S98
2246044	A4G0605M06U08GMP KC5025	C95
2246045	A4G0605M06U08GMP KC5010	C95
2246047	A4G0600M06P08GMP KC5025	C95
2246074	TPMT110204LF KC5025	B255
2246494	SECT1404AEFNLE KC410M	S42
2248306	B966A14300 KC7315	G134
2248735	420.104	S68
2248993	50HC030M	G85
2248994	50HC050M	G85
2248995	75HC030M	G85
2248996	75HC040M	G85
2248997	75HC050M	G85
2249180	B978A09700 KC7315	G147
2250771	CNGG120401FS KC5010	B46
2250772	CNGG120402FS KC5010	B46
2250775	DNGG110402FS KC5010	B74
2250784	TNGG160404FS KC5010	B122
2250789	VNGG160402FS KC5010	B143
2250790	VNGG160404FS KC5010	B143
2250791	VNGG160408FS KC5010	B143
2250809	TNGG160402FS KC5025	B122
2250810	TNGG160404FS KC5025	B122
2250816	VNGG160404FS KC5025	B143
2250817	VNGG160408FS KC5025	B143
2250824	B966A05200 KC7315	G132
2251337	B977F09100 KC7315	G144
2251340	B977F10100 KC7315	G144
2251521	SSP025018M	B66, B105–106
2251639	B977A13800 KC7315	G141
2251799	B966F05300 KC7315	G135
2251802	B966F08200 KC7315	G135
2252989	KSEM1250PCM KC7135	H56
2252992	KSEM1750PCM KC7135	H56
2253024	KSEM2600PCM KC7135	H56, H87
2255896	B978A08800 KC7315	G147
2256128	NGP2062R KC5010	C152
2256252	B966A09900 KC7315	G133
2256916	B966A04700 KC7315	G132
2256918	B977A10800 KC7315	G141
2257597	B256A10500 KC7315	G63
2257646	B256A09500 KC7315	G63
2258040	KTIP080R5SS10M	H31
2258041	KTIP100R5SS12M	H31
2258042	KTIP120R5SS14M	H31
2258053	KTIP160R5SS18M	H31
2259958	170.306	H31–32
2259959	170.307	H31–32
2259960	170.308	H31–32
2259961	170.309	H31–32
2259981	MS2126	T69–72
2260660	B977F08700 KC7315	G144
2261701	B978A06100 KC7315	G146

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2262952	RK90SP1014	U27, U30, U32, U34
2262954	RK90SP1016	U31, U35
2262956	RK90SD1218	U40, U42, U44, U48
2262957	LK90SD1218	U41
2262958	RK90SD1220	U43, U45, U49
2262959	LK90SD1220	U47
2262960	W14	U27–28, U30, U32–34
2262961	W16	U29, U31, U35
2262962	W18	U40–42, U44, U46, U48
2262963	W20	U43, U45, U47, U49
2262964	CP1416	U27–35
2262965	CP1820	U40–49
2263089	A4SMR3225P0626	C112
2263090	A4SML3225P0626	C113
2263091	A4SMR3225P0826	C112
2263092	A4SML3225P0826	C113
2263173	A4SMR3225P1026	C112
2263174	A4SML3225P1026	C113
2263197	A40TA4EMR0616M	C119
2263198	A40TA4EML0616M	C119
2263299	MS1490	C37–40, C44–45, C112–113, D32
2263361	A4G0605M06U04GMN KC5010	C96
2263362	A4G0605M06U04GMN KC5025	C96
2263373	A4G0605M06U08GMN KT315	C96
2263374	A4G0605M06U08GMN KC5010	C96
2263375	A4G0605M06U08GMN KC5025	C96
2263376	A4G0605M06U12GMN KC5010	C96
2263377	A4G0605M06U12GMN KC5025	C96
2263378	A4G0805M08U08GMN KC5010	C96
2263380	A4G0805M08U12GMN KC5010	C96
2263383	A4G1005M10U08GMN KC5025	C96
2263385	A4G1005M10U12GMN KC5025	C96
2263386	A4G0605M06U04GMP KC5010	C95
2263387	A4G0605M06U04GMP KC5025	C95
2263392	A4G0805M08U08GMP KC5025	C95
2263397	A4R0605M06U00GMN KC5010	C97
2263398	A4R0605M06U00GMN KC5025	C97
2263399	A4R0805M08U00GMN KC5010	C97
2263400	A4R0805M08U00GMN KC5025	C97
2263403	A4R0600M06P00GMP KC5010	C96
2263404	A4R0600M06P00GMP KC5025	C96
2263406	A4R0800M08P00GMP KC5010	C96
2263414	A4G0600M06P04GMP KC5010	C95
2263415	A4G0600M06P08GMP KC5010	C95
2263416	A4G0800M08P08GMP KC5010	C95
2263578	RCGH120400 KC5010	B222
2263727	B978A15100 KC7315	G148
2263756	B977F06600 KC7315	G144
2264017	B977A16700 KC7315	G142
2264019	B977A07200 KC7315	G140
2264020	B977A11100 KC7315	G141
2264538	B976A05400 KC7315	G139
2264864	B977F15800 KC7315	G145
2264867	B966F03400 KC7315	G135
2264869	B966F03600 KC7315	G135
2264876	B977F10300 KC7315	G144
2264881	B977F13800 KC7315	G145
2264885	B977F04900 KC7315	G143
2264889	B978A05300 KC7315	G146
2264892	B966F17000 KC7315	G136
2264893	B966F18000 KC7315	G136
2264897	B976F08600 KC7315	G144
2264898	B976F08700 KC7315	G144
2264901	B978A15800 KC7315	G148
2264903	B977F04300 KC7315	G143
2264905	B977F10400 KC7315	G144
2264912	B976F10800 KC7315	G144
2264915	B977F09900 KC7315	G144
2264918	B966F16500 KC7315	G136
2264920	B966F17500 KC7315	G136
2264921	B977F05200 KC7315	G143
2264928	B978A06200 KC7315	G146
2264931	B977F04700 KC7315	G143
2264932	B977F05400 KC7315	G143
2264933	B978A05100 KC7315	G146
2264934	B978A05200 KC7315	G146
2264936	B966F10800 KC7315	G136
2264938	B978A10100 KC7315	G147
2264939	B978A10300 KC7315	G147
2264941	B976F08300 KC7315	G144
2264952	B977F05900 KC7315	G144
2264953	B978A08100 KC7315	G147
2264954	B978A08600 KC7315	G147
2264955	B978A08700 KC7315	G147
2264956	B978A09900 KC7315	G147
2264958	B966F09100 KC7315	G135
2264970	B978A06300 KC7315	G146
2264971	B978A06400 KC7315	G146
2264972	B978A06700 KC7315	G146
2264973	B966F05100 KC7315	G135
2264976	B976F06300 KC7315	G144
2264977	B976F06400 KC7315	G144
2264978	B976F07100 KC7315	G144
2264981	B977F04100 KC7315	G143
2264983	B977F05700 KC7315	G143
2264985	B966F10400 KC7315	G135
2264986	B966F10600 KC7315	G135
2264988	B966F11800 KC7315	G136
2264990	B966F06700 KC7315	G135
2264996	B976F05600 KC7315	G143
2265002	B966F06300 KC7315	G135
2265003	B966F07300 KC7315	G135
2265006	B966F05600 KC7315	G135
2265008	B977F06400 KC7315	G144
2265022	B966F07100 KC7315	G135
2265023	B966F07600 KC7315	G135
2266804	B966A03960 KC7315	G132
2268303	KTIP080R3SS10M	H31
2268304	KTIP085R3SS10M	H31
2268305	KTIP090R3SS10M	H31
2268306	KTIP095R3SS10M	H31
2268307	KTIP100R3SS12M	H31
2268308	KTIP105R3SS12M	H31
2268309	KTIP110R3SS12M	H31
2268310	KTIP115R3SS12M	H31
2268311	KTIP120R3SS14M	H31
2268312	KTIP125R3SS14M	H31
2268313	KTIP130R3SS14M	H31
2268314	KTIP135R3SS14M	H31
2268315	KTIP140R3SS16M	H31
2268316	KTIP145R3SS16M	H31
2268317	KTIP150R3SS16M	H31
2268318	KTIP160R3SS18M	H31
2269913	DT9IP	T4–7, T47–50, T57–59, T97–98, U25–26, V38–40
2269914	DT15IP	S41, T14–17, T69–72, T102, U38–39, V70–72, V77–78, V137–139
2270351	114.305	E49, E55
2271064	EDPT180516PDERGD KC725M	T74
2271067	EDPT180516PDERGD KC522M	T74
2271071	EDPT180516PDERGD KCPK30	T74
2271072	EDPT180532PDERGD KC725M	T74
2271087	EDCT180504PDERGD KC725M	T74
2271088	EDCT180504PDFRLDJ KC410M	T73
2271089	EDCT180508PDFRLDJ KC410M	T73
2271090	EDCT180516PDFRLDJ KC410M	T73
2271091	EDCT180532PDFRLDJ KC410M	T73
2271092	EDCT180564PDFRLDJ KC410M	T73
2271093	EDCT180516PDERLD KC522M	T74
2271094	EDCT180532PDERLD KC522M	T74
2271095	EDCT180564PDERLD KC522M	T74
2271097	EDPT180524PDERGD KC725M	T74
2271115	EDPT180532PDERGD KC522M	T74
2271116	EDPT180532PDERGD KC520M	T74
2271118	EDPT180532PDERGD KCPK30	T74
2271119	EDPT180508PDERGD KC725M	T74
2271122	EDPT180508PDERGD KC520M	T74
2271135	EDPT180508PDERGD KCPK30	T74
2271155	EDPT180564PDERGD KC725M	T74
2271157	EDPT180564PDERGD KC522M	T74
2271158	EDPT180564PDERGD KCPK30	T74
2271159	EDPT180512PDERGD KC725M	T74
2272493	B977A11900 KC7315	G141
2272784	3.42805R021 KC7015	I27
2272786	3.42805R021 KC7315	I27
2272789	3.42807R021 KC7015	I27
2272790	3.42807R021 KC7315	I27
2273083	DCKNR2020K12KC04	B58
2273084	DCKNR3225P12KC04	B58
2273085	DCKNR3232P16KC06	B58
2273087	DCKNL2020K12KC04	B58
2273088	DCKNL3225P12KC04	B58
2273091	DCLNR3232P19KC06	B59
2273092	DCLNR4040S19KC06	B59
2273093	DCLNL3232P19KC06	B59
2273094	DCLNL4040S19KC06	B59
2273095	DCRNR3225P12KC04	B60
2273097	DCRNR3232P19KC06	B60
2273099	DCRNL3232P16KC06	B60
2273101	DCSNR2020K12KC04	B60
2273102	DCSNR2525M12KC04	B60
2273104	DCSNL2525M12KC04	B60
2273105	DDJNR2020K11KC04	B85
2273106	DDJNR2525M11KC04	B85
2273107	DDJNL2020K11KC04	B85
2273108	DDJNL2525M11KC04	B85
2273111	DDNNR2020K15KC06	B85
2273112	DDNNR2525M15KC06	B85
2273139	DSDNN3232P19KC06	B105
2273156	DSSNR3225P12KC04	B107
2273318	B966A03100 KC7315	G132
2273321	B966A09200 KC7315	G133
2273388	EDPT180548PDERGD KC725M	T74
2273392	DTFNR2020K16KC04	B132
2273440	DTGNR2020K16KC04	B132
2273441	DTGNR2525M16KC04	B132
2273451	DWLNR2525M06KC04	B161
2273455	DWLNL2525M06KC04	B161
2274469	NG2062R KC5010	C154
2274946	A4G125I03P05GMN KC5025	C97
2274947	A4G125I03P1GMN KC5025	C97
2274949	A4G187I04P2GMN KC5025	C97
2275076	A4R125I03P00GMN KC5025	C97
2275077	A4R187I04P00GMN KC5025	C97
2275078	A4R250I06P00GMN KC5025	C97
2275080	A4R375I10P00GMN KC5025	C97
2275081	A4G125I03P05GMN KC5010	C97
2275082	A4G125I03P1GMN KC5010	C97
2275083	A4G187I04P1GMN KC5010	C97
2275084	A4G187I04P2GMN KC5010	C97
2275085	A4G250I06P1GMN KC5010	C97
2275086	A4G250I06P2GMN KC5010	C97
2275087	A4G312I08P1GMN KC5010	C97
2275089	A4G375I10P1GMN KC5010	C97
2275090	A4G375I10P2GMN KC5010	C97
2275091	A4R125I03P00GMN KC5010	C97
2275092	A4R187I04P00GMN KC5010	C97
2275093	A4R250I06P00GMN KC5010	C97
2275452	B978A19800 KC7315	G148
2275583	MS2148	T57–59, T97–98, U25–35
2276088	B976A04300 KC7315	G139
2276090	B977A18400 KC7315	G142
2276698	B977A18600 KC7315	G142
2277900	VBMT110304LF KC5025	B265
2383518	TPGX0902ZPRGD KC7315	H63
2383519	TPGX1102ZPRGD KC7315	H63
2383520	TPGX1303ZPRGD KC7315	H63
2383521	TPGX1603ZPRGD KC7315	H63
2383522	TPGX0902ZPRGD KC7140	H63
2383552	B977A06350 KC7315	G139
2383555	SDCT120404PDERLD2 KC725M	T104, T111, U51
2383556	SDCT120404PDELLD2 KC725M	T104, T111, U51
2383557	SDCT1204PDELLD2 KC725M	T104, T111, U51
2383558	SDCT120412PDERLD2 KC725M	T104, T111, U51
2383559	SDCT120412PDELLD2 KC725M	T104, T111, U51
2383560	SDCT120416ENLD2 KC725M	T104, T111, U51
2383561	SDCT120420ENLD2 KC725M	T104, T111, U51
2383562	SDCT120424ENLD2 KC725M	T104, T111, U51
2383583	SDCT120432ENLD2 KC725M	T104, T111, U51
2383584	SPCT10T304PPERLD2 KC725M	T100, U36
2383585	SPCT10T304PPELLD2 KC725M	T100, U36
2383586	SPCT10T3PPELLD2 KC725M	T100, U36
2383587	SPCT10T312PPERLD2 KC725M	T100, U36
2383588	SPCT10T312PPELLD2 KC725M	T100, U36
2383589	SPCT10T316ENLD2 KC725M	T100, U36
2383590	SPCT10T320ENLD2 KC725M	T100, U36
2383591	SDCT120404PDFRLE KC410M	T103, T110, U50, V141
2383592	SDCT120404PDFLLE KC410M	T103, T110, U50, V141
2383593	SDCT1204PDFRLE KC410M	T103, T110, U50, V141
2383594	SDCT1204PDFLLE KC410M	T103, T110, U50, V141
2383595	SDCT120412PDFRLE KC410M	T103, T110, U50, V141
2383596	SDCT120412PDFLLE KC410M	T103, T110, U50, V141
2383597	SDCT120416FNLE KC410M	T103, T110, U50, V141
2383598	SDCT120420FNLE KC410M	T103, T110, U50, V141
2383599	SDCT120424FNLE KC410M	T103, T110, U50, V141
2383600	SDCT120432FNLE KC410M	T103, T110, U50, V141
2383601	SPCT10T304PPFRLE KC410M	T99, U36
2383602	SPCT10T304PPFLLE KC410M	T99, U36
2383603	SPCT10T3PPFRLE KC410M	T99, U36
2383604	SPCT10T3PPFLLE KC410M	T99, U36
2383605	SPCT10T312PPFRLE KC410M	T99, U36
2383608	SPCT10T320FNLE KC410M	T99, U36
2383778	B977A06400 KC7315	G139
2384123	TPGX1102ZPRGD KC7140	H63
2384124	TPGX1303ZPRGD KC7140	H63
2384125	TPGX1603ZPRGD KC7140	H63
2384430	B977A12100 KC7315	G141
2384504	STN1018UNI KC635M	W44
2384505	STN1020UNI KC635M	W44
2384509	STN1114UNI KC635M	W44
2384510	STN1116UNI KC635M	W44
2384511	STN1118UNI KC635M	W44
2384512	STN1120UNI KC635M	W44
2384513	STN1124UNI KC635M	W44
2384517	STN1614UNI KC635M	W44

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2384521	STN1624UNI KC635M	W44
2384522	STN1627UNI KC635M	W44
2384524	STN1632UNI KC635M	W44
2385356	B976A05100 KC7315	G139
2385527	F2AL0050AWS30L050 KC637M	P166
2385528	F2AL0060AWS30L060 KC637M	P166
2385529	F2AL0080AWS30L080 KC637M	P166
2385530	F2AL0100AWS30L100 KC637M	P166
2385531	F2AL0120AWS30L120 KC637M	P166
2385553	F2AL0150AWS30L150 KC637M	P166
2385554	F2AL0160AWS30L160 KC637M	P166
2385555	F2AL0180AWS30L180 KC637M	P166
2385556	F2AL0200AWS30L200 KC637M	P166
2385557	F2AL0250AWS30L250 KC637M	P166
2385558	F2AL0300AWS30L300 KC637M	P166
2385559	F2AL0400AWS30L400 KC637M	P166
2385560	F2AL0600AWS30L600 KC637M	P166
2385561	F2AH0030AWS30L040 KC637M	P162–163
2385563	F2AH0050AWS30L070 KC637M	P162–163
2385566	F2AH0100AWS30L150 KC637M	P162–163
2385569	F2AH0150AWS30L230 KC637M	P162–163
2385570	F2AH0160AWS30L240 KC637M	P162–163
2385571	F2AH0180AWS30L270 KC637M	P162–163
2385572	F2AH0200AWS30L300 KC637M	P162–163
2385573	F2AH0250AWS30L370 KC637M	P162–163
2385576	F2AH0080AWM30L120 KC637M	P162–163
2385577	F2AH0100AWM30L150 KC637M	P162–163
2385580	F2AH0150AWM30L230 KC637M	P162–163
2385581	F2AH0160AWM30L240 KC637M	P162–163
2385582	F2AH0180AWM30L270 KC637M	P162–163
2385583	F2AH0200AWM30L300 KC637M	P162–163
2385584	F2AH0250AWM30L370 KC637M	P162–163
2386665	B977A19700 KC7315	G142
2388424	DT8IP	W4–5, W10–13, W17–19, W24–25
2388660	SKRN1203M0 K9	B227–228
2388784	B976A10800 KC7315	G141
2389802	PMT04525	C63, C133
2390123	B977A08300 KC7315	G140
2390253	SDCT1204PDERLD2 KC725M	T104, T111, U51
2390254	SPCT10T3PPERLD2 KC725M	T100, U36
2390256	SECT1404AEENLD2 KC725M	S42
2390257	SEKT1404AEENGP2 KC725M	S42
2390258	SEKT1404AEENGP2 KC520M	S42
2390259	SEKT1404AEENGP2 KCK15	S42
2390260	SEKT1404AEENGP2 KCPK30	S42
2390261	SEKT1404AESNGP2 KC725M	S42
2390262	SEKT1404AESNGP2 KC520M	S42
2390263	SEKT1404AESNGP2 KCK15	S42
2390264	SEKT1404AESNGP2 KCPK30	S42
2390265	SPET10T3PPELGB2 KC725M	T100, U37
2390266	SPET10T3PPELGB2 KCK15	T100, U37
2390267	SPET10T3PPELGB2 KCPK30	T100, U37
2390268	SPET10T3PPELGB2 KC520M	T100, U37
2390269	SPET10T3PPSLGB2 KC725M	T100, U37
2390271	SPET10T3PPSLGB2 KCPK30	T100, U37
2390273	SPET10T3PPERGB2 KC725M	T100, U37
2390274	SPET10T3PPERGB2 KCK15	T100, U37
2390275	SPET10T3PPERGB2 KCPK30	T100, U37
2390276	SPET10T3PPERGB2 KC520M	T100, U37
2390277	SPET10T3PPSRGB2 KC725M	T100, U37
2390278	SPET10T3PPSRGB2 KCK15	T100, U37
2390279	SPET10T3PPSRGB2 KCPK30	T100, U37
2390280	SPET10T3PPSRGB2 KC520M	T100, U37
2390281	SDET1204PDELGB2 KC520M	T104, T111, U52
2390282	SDET1204PDELGB2 KCK15	T104, T111, U52
2390283	SDET1204PDELGB2 KCPK30	T104, T111, U52
2390284	SDET1204PDELGB2 KC725M	T104, T111, U52
2390285	SDET1204PDERGB2 KC520M	T104, T111, U52
2390286	SDET1204PDERGB2 KCK15	T104, T111, U52
2390287	SDET1204PDERGB2 KCPK30	T104, T111, U52
2390288	SDET1204PDERGB2 KC725M	T104, T111, U52
2390289	SDET1204PDSRGB2 KC520M	T104, T111, U52
2390290	SDET1204PDSRGB2 KCK15	T104, T111, U52
2390291	SDET1204PDSRGB2 KCPK30	T104, T111, U52
2390292	SDET1204PDSRGB2 KC725M	T104, T111, U52
2390293	SDET120412PDELGB2 KC520M	T104, T111, U52
2390294	SDET120412PDELGB2 KCK15	T104, T111, U52
2390296	SDET120412PDELGB2 KC725M	T104, T111, U52
2390297	SDET120412PDERGB2 KC520M	T104, T111, U52
2390298	SDET120412PDERGB2 KCK15	T104, T111, U52
2390299	SDET120412PDERGB2 KCPK30	T104, T111, U52
2390300	SDET120412PDERGB2 KC725M	T104, T111, U52
2390446	25A02R044B25SED18	T70
2390448	32A03R050B32SED18	T70
2390450	40A04R050B32SED18	T70
2390483	63A06RS90ED18D	T72
2390485	100A08RS90ED18D	T72
2390486	125B09RS90ED18D	T72
2390487	160C12RS90ED18D	T72
2390961	B976A08200 KC7315	G140
2391872	B977A17700 KC7315	G142
2391902	B966A06350 KC7315	G133
2391925	B966A05040 KC7315	G132
2392360	B976A03800 KC7315	G138
2392361	B976A03900 KC7315	G138
2393422	STN1118UNE KC635M	W44
2393667	STN1624UNE KC635M	W44
2393668	STN1620UNE KC635M	W44
2393670	STN1616UNE KC635M	W44
2393671	STN1614UNE KC635M	W44
2396971	B977A04900 KC7315	G139
2397289	B976A17100 KC7315	G142
2397687	B976A04900 KC7315	G139
2397689	B976A07900 KC7315	G140
2397765	KLM68L25IP	B59–60, B105
2397767	KMSP625IP	B59–60, B105
2398751	A4M50R0314B036048	C127
2398752	A4M50R0314B042058	C127
2398763	A4M50R0314B052074	C127
2398764	A4M50R0314B068100	C127
2398765	A4M50R0314B090160	C127
2398766	A4M50R0314B130300	C127
2398767	A4M50R0314B290999	C127
2398768	A4M50L0314B036048	C128
2398769	A4M50L0314B042058	C128
2398770	A4M50L0314B052074	C128
2398771	A4M50L0314B068100	C128
2398772	A4M50L0314B090160	C128
2398773	A4M50L0314B130300	C128
2398774	A4M50L0314B290999	C128
2398775	A4M50R0414B048072	C127
2398776	A4M50R0414B064100	C127
2398777	A4M50R0414B092150	C127
2398778	A4M50R0414B132300	C127
2398779	A4M50R0414B290999	C127
2398780	A4M50L0414B048072	C128
2398781	A4M50L0414B064100	C128
2398782	A4M50L0414B092150	C128
2398783	A4M50L0414B132300	C128
2398784	A4M50L0414B290999	C128
2398785	A4M50R0519B058094	C127
2398786	A4M50R0519B080136	C127
2398787	A4M50R0519B120300	C127
2398788	A4M50R0519B250999	C127
2398789	A4M50L0519B058094	C128
2398790	A4M50L0519B080136	C128
2398791	A4M50L0519B120300	C128
2398792	A4M50L0519B250999	C128
2399462	KM25NER230	D30
2399494	KM25NER330	D30
2399495	KM25NEL330	D30
2399496	KM25NER430	D30
2399497	KM25NEL430	D30
2399498	KM25NSR230	D30
2399499	KM25NSL230	D30
2399500	KM25NSR330	D30
2399501	KM25NSL330	D30
2399503	KM25NSL430	D30
2399504	KM25LSSR1630	D83
2399505	KM25LSSL1630	D83
2399506	KM25LSER1630	D83
2399507	KM25LSEL1630	D83
2400403	F2AB0200AWM30 KC637M	P150
2400404	F2AB0300AWM30 KC637M	P150
2400405	F2AB0400AWL30 KC637M	P150
2400406	F2AB0500AWL30 KC637M	P150
2400407	F2AB0600AWL30 KC637M	P150
2400409	F2AB1000AWL30 KC637M	P150
2400410	F2AB1200AWX30 KC637M	P150
2400693	50A3RS90SD12L32	T109
2400694	63A3RS90SD12L50	T109
2400695	80A4RS90SD12L61	T109
2401853	B977A13100 KC7315	G141
2402283	KTIP085R5SS10M	H31
2402284	KTIP090R5SS10M	H31
2402285	KTIP095R5SS10M	H31
2402286	KTIP105R5SS12M	H31
2402287	KTIP110R5SS12M	H31
2402288	KTIP115R5SS12M	H31
2402289	KTIP125R5SS14M	H31
2402290	KTIP130R5SS14M	H31
2402291	KTIP135R5SS14M	H31
2402292	KTIP140R5SS16M	H31
2402293	KTIP145R5SS16M	H31
2402294	KTIP150R5SS16M	H31
2403807	B966A08300 KC7315	G133
2404108	B976A14200 KC7315	G141
2404433	B978A11700 KC7315	G147
2404438	B966A06300 KC7315	G133
2404444	STN10075ISOI KC635M	W45
2404445	STN10100ISOI KC635M	W45
2404446	STN10125ISOI KC635M	W45
2404447	STN10150ISOI KC635M	W45
2404449	STN11100ISOI KC635M	W45
2404451	STN11150ISOI KC635M	W45
2404454	STN16100ISOI KC635M	W45
2404456	STN16150ISOI KC635M	W45
2404457	STN16175ISOI KC635M	W45
2404458	STN16200ISOI KC635M	W45
2404472	MDHX1004ZDERGD4W K110M	S69
2404707	A4G0305M03U02B KC5025	C98
2404708	A4G0405M04U04B KC5025	C98
2404943	MDHX1004ZDERGD K110M	S69
2404944	MDHX1004ZDERGD KTPK20	S69
2404945	F3AA1000AWL45R050 K600	P122
2404946	F3AA1200AWL45R050 K600	P122
2404947	F3AA1600AWX45R050 K600	P122
2404948	F3AA2000AWX45R050 K600	P122
2404949	F3AA2500AWX45R050 K600	P122
2404950	F3AA1000AWL45R100 K600	P122
2404951	F3AA1200AWL45R100 K600	P122
2404952	F3AA1600AWX45R100 K600	P122
2405161	KTIP080R3SCF12M	H32
2405162	KTIP085R3SCF12M	H32
2405203	KTIP090R3SCF12M	H32
2405204	KTIP095R3SCF12M	H32
2405205	KTIP100R3SCF16M	H32
2405206	KTIP105R3SCF16M	H32
2405207	KTIP110R3SCF16M	H32
2405208	KTIP115R3SCF16M	H32
2405209	KTIP120R3SCF16M	H32
2405210	KTIP125R3SCF16M	H32
2405211	KTIP130R3SCF16M	H32
2405212	KTIP135R3SCF16M	H32
2405213	KTIP140R3SCF16M	H32
2405214	KTIP145R3SCF16M	H32
2405215	KTIP150R3SCF20M	H32
2405216	KTIP160R3SCF20M	H32
2405248	KTIP080R5SCF12M	H32
2405249	KTIP085R5SCF12M	H32
2405250	KTIP090R5SCF12M	H32
2405251	KTIP095R5SCF12M	H32
2405252	KTIP100R5SCF16M	H32
2405273	KTIP105R5SCF16M	H32
2405274	KTIP110R5SCF16M	H32
2405275	KTIP115R5SCF16M	H32
2405276	KTIP120R5SCF16M	H32
2405277	KTIP125R5SCF16M	H32
2405278	KTIP130R5SCF16M	H32
2405279	KTIP135R5SCF16M	H32
2405280	KTIP140R5SCF16M	H32
2405281	KTIP145R5SCF16M	H32
2405282	KTIP150R5SCF20M	H32
2405283	KTIP160R5SCF20M	H32
2405361	SEPT1404AEENGB2 KC725M	S43
2405362	SEPT1404AEENGB2 KCK15	S43
2405373	SEPT1404AEENGB2 KCPK30	S43
2405375	SEPT1404AESNGB2 KC725M	S43
2405376	SEPT1404AESNGB2 KCK15	S43
2405377	SEPT1404AESNGB2 KCPK30	S43
2405379	SPPT10T3PPERGB2 KCK15	T101, U37
2405380	SPPT10T3PPERGB2 KCPK30	T101, U37
2405381	SPPT10T3PPSRGB2 KCK15	T101, U37
2405382	SPPT10T3PPSRGB2 KCPK30	T101, U37
2405383	SPPT10T3PPSRGB2 KTPK20	T101, U37
2405384	SDPT1204PDERGB2 KC725M	T105, T112, U52
2405385	SDPT1204PDERGB2 KCK15	T105, T112, U52

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2405386	SDPT1204PDERGB2 KCPK30	T105, T112, U52
2405387	SDPT1204PDSRGB2 KC725M	T105, T112, U52
2405388	SDPT1204PDSRGB2 KCK15	T105, T112, U52
2405389	SDPT1204PDSRGB2 KCPK30	T105, T112, U52
2405616	KSEM3200PCM KC7135	H56, H87
2405618	KSEM4000PCM KC7135	H56, H87
2406113	F3AA2000AWX45R100 K600	P122
2406114	F3AA2500AWX45R100 K600	P122
2406115	F3AA1000AWL45R200 K600	P122
2406116	F3AA1200AWL45R200 K600	P122
2406117	F3AA1600AWX45R200 K600	P122
2406118	F3AA2000AWX45R200 K600	P122
2406119	F3AA2500AWX45R200 K600	P122
2406120	F3AA1000AWL45R400 K600	P122
2406121	F3AA1200AWL45R400 K600	P122
2406122	F3AA1600AWX45R400 K600	P122
2406123	F3AA2000AWX45R400 K600	P122
2406124	F3AA2500AWX45R400 K600	P122
2407294	B977A10100 KC7315	G140
2407297	B978A07700 KC7315	G147
2408209	B977A09400 KC7315	G140
2408266	B966A03400 KC7315	G132
2408308	B976A09200 KC7315	G140
2414136	A4ENN2020K0305	C118
2414137	A4ENN2525M0305	C118
2416198	B977A16400 KC7315	G142
2416279	B977A04100 KC7315	G138
2417183	50A05RS90ED18D	T72
2417184	80A07RS90ED18D	T72
2417185	50A04RS90ED18D	T72
2417186	63A05RS90ED18D	T72
2417187	80A06RS90ED18D	T72
2417188	100A07RS90ED18D	T72
2417189	125B08RS90ED18D	T72
2417190	160C10RS90ED18D	T72
2417191	40A03R050B32SED18	T70
2417296	DCLNR1616H09KC03	B59
2419790	B976A12300 KC7315	G141
2421384	SSY5T K9	D82, D84–85
2421386	SSA5T	D82, D84–85
2424997	B967A12500 KC7315	G134
2425000	B967A09000 KC7315	G133
2425052	B967A10800 KC7315	G133
2425073	B967A08500 KC7315	G133
2425113	B966A04100 KC7315	G132
2425114	B966A04900 KC7315	G132
2425115	B966A05400 KC7315	G132
2425117	B966A03600 KC7315	G132
2425118	B966A07100 KC7315	G133
2425119	B966A07300 KC7315	G133
2425120	B966A07600 KC7315	G133
2425143	B966A08700 KC7315	G133
2425145	B966A08900 KC7315	G133
2425146	B966A09100 KC7315	G133
2425149	B966A09700 KC7315	G133
2425151	B966A10900 KC7315	G133
2425173	B966A11100 KC7315	G133
2425176	B966A11900 KC7315	G134
2425178	B966A12200 KC7315	G134
2425203	B966A12400 KC7315	G134
2425205	B966A12800 KC7315	G134
2425206	B966A12900 KC7315	G134
2425233	B966A14200 KC7315	G134
2425285	B977A03000 KC7315	G138
2425288	B977A03100 KC7315	G138
2425290	B977A03200 KC7315	G138
2425292	B977A03400 KC7315	G138
2425303	B977A03500 KC7315	G138
2425304	B977A03600 KC7315	G138
2425305	B977A03700 KC7315	G138
2425306	B977A03800 KC7315	G138
2425309	B977A04400 KC7315	G139
2425310	B977A04700 KC7315	G139
2425311	B977A05400 KC7315	G139
2425323	B977A06200 KC7315	G139
2425324	B977A06300 KC7315	G139
2425325	B977A06600 KC7315	G139
2425326	B977A07300 KC7315	G140
2425328	B977A07900 KC7315	G140
2425330	B977A07600 KC7315	G140
2425331	B977A08600 KC7315	G140
2425332	B977A09100 KC7315	G140
2425344	B977A09600 KC7315	G140
2425380	B977A12400 KC7315	G141
2425381	B977A11400 KC7315	G141
2425455	B977A10400 KC7315	G140
2425456	B977A11300 KC7315	G141
2425457	B977A10900 KC7315	G141
2425659	CCMT060202LF KC5025	B177
2425660	CCMT060204LF KC5025	B177
2425661	CCMT060208LF KC5025	B177
2425662	CCMT09T302LF KC5025	B177
2425773	CCMT09T304LF KC5025	B177
2425775	CCMT120404LF KC5025	B177
2425779	CPMT050204LF KC5025	B190
2425780	CPMT060202LF KC5025	B190
2425781	CPMT060204LF KC5025	B190
2425782	CPMT060208LF KC5025	B190
2425784	CPMT09T304LF KC5025	B190
2425785	CPMT09T308LF KC5025	B190
2425786	DCMT070202LF KC5025	B207
2425788	DCMT150404LF KC5025	B207
2425789	DCMT150408LF KC5025	B207
2425790	DPMT070202LF KC5025	B215
2425791	DPMT070204LF KC5025	B215
2425793	DPMT11T304LF KC5025	B215
2425794	DPMT11T308LF KC5025	B215
2425795	SCMT09T304LF KC5025	B230
2425796	SCMT09T308LF KC5025	B230
2425798	SCMT120408LF KC5025	B230
2425800	SPMT09T304LF KC5025	B238
2425801	SPMT09T308LF KC5025	B238
2425802	TCMT110202LF KC5025	B244
2425803	TCMT110204LF KC5025	B244
2425804	TCMT110208LF KC5025	B244
2425805	TCMT16T302LF KC5025	B244
2425806	TCMT16T304LF KC5025	B244
2425807	TCMT16T308LF KC5025	B244
2425809	TCMT220408LF KC5025	B244
2425811	TPMT090204LF KC5025	B255
2425813	TPMT110208LF KC5025	B255
2425814	TPMT16T304LF KC5025	B255
2425815	TPMT16T308LF KC5025	B255
2425817	TPMT220408LF KC5025	B255
2425818	VBMT110308LF KC5025	B265
2425819	VBMT160402LF KC5025	B265
2425820	WPMTS3T104LF KC5025	B272
2425821	WPMT040204LF KC5025	B272
2425825	WCMT06T308LF KC5025	B270
2425826	CNMG120404RP KC5010	B53
2425828	CNMG120404RP KC5025	B53
2425841	DNGG150412FS KC5010	B74
2425843	DCMT070204LF KC5025	B207
2425844	DCMT11T302LF KC5025	B207
2425845	DCMT11T304LF KC5025	B207
2425846	DCMT11T308LF KC5025	B207
2425847	VBMT160404LF KC5025	B265
2425848	VBMT160408LF KC5025	B265
2425863	DNMG110408MS KC5010	B79
2425864	DNMG110408MS KC5025	B79
2425869	WNMG060408MS KC5010	B158
2425870	WNMG060408MS KC5025	B158
2425871	WNMG060408MS K313	B158
2426878	SDET1204PDSLGB2 KCPK30	T104, T111, U52
2426879	SDET1204PDSLGB2 KC725M	T104, T111, U52
2428744	B978A15300 KC7315	G148
2428793	B966F03300 KC7315	G135
2428802	B966F12100 KC7315	G136
2428856	B966F12200 KC7315	G136
2429563	STN1118NPT KC635M	W46
2429564	STN1614NPT KC635M	W46
2429565	STN16115NPT KC635M	W46
2429570	STN1118NPTF KC635M	W46
2429571	STN1614NPTF KC635M	W46
2429572	STN16115NPTF KC635M	W46
2429575	STN1614NPS KC635M	W46
2429576	STN16115NPS KC635M	W46
2429582	STN1119BSW KC635M	W46
2429587	STN1614BSW KC635M	W46
2429588	STN1612BSW KC635M	W46
2429589	STN1611BSW KC635M	W46
2429593	STN2711BSW KC635M	W46
2429600	514.111	B138
2429601	514.112	B142, B165
2429602	514.118	B87–88, B111, B113, B135, B138, B163
2429633	514.122	B68, B73, B114, B120–121
2429634	514.123	B64–66, B68–69, B73, B111–113, B135, B138, B163, B165
2429635	514.124	B114
2429636	514.125	B64–65, B68, B111–113
2429637	514.128	B87–88, B91
2429638	514.133	B64–66, B111–113
2429639	514.138	B111
2429642	F3AA1000AWL45R300 K600	P122
2429673	F3AA1200AWL45R300 K600	P122
2429674	F3AA1600AWX45R300 K600	P122
2429675	F3AA2000AWX45R300 K600	P122
2429676	F3AA2500AWX45R300 K600	P122
2429851	CNMG120408CT KC5010	B48
2429979	DNMG150404CT KC5010	B76
2429985	DNMG150408CT KC5010	B76
2430006	DNMG150612CT KC5010	B76
2430467	F2AA1000AWL45R050 K600	P120
2430468	F2AA1200AWL45R050 K600	P120
2430469	F2AA1600AWX45R050 K600	P120
2430470	F2AA2000AWX45R050 K600	P120
2430471	F2AA2500AWX45R050 K600	P120
2430472	F2AA1000AWL45R100 K600	P120
2430503	F2AA1200AWL45R100 K600	P120
2430504	F2AA1600AWX45R100 K600	P120
2430505	F2AA2000AWX45R100 K600	P120
2430506	F2AA2500AWX45R100 K600	P120
2430507	F2AA1000AWL45R200 K600	P120
2430508	F2AA1200AWL45R200 K600	P120
2430509	F2AA1600AWX45R200 K600	P120
2430510	F2AA2000AWX45R200 K600	P120
2430511	F2AA2500AWX45R200 K600	P120
2430512	F2AA1000AWL45R400 K600	P120
2430513	F2AA1200AWL45R400 K600	P120
2430514	F2AA1600AWX45R400 K600	P120
2430515	F2AA2000AWX45R400 K600	P120
2430516	F2AA2500AWX45R400 K600	P120
2430517	F2AA1000AWL45R300 K600	P120
2430518	F2AA1200AWL45R300 K600	P120
2430519	F2AA1600AWX45R300 K600	P120
2430520	F2AA2000AWX45R300 K600	P120
2430521	F2AA2500AWX45R300 K600	P120
2433330	F1AA0200AWS30 K600	P118
2433331	F1AA0300AWS30 K600	P118
2433332	F1AA0400AWS30 K600	P118
2433343	F1AA0500AWS30 K600	P118
2433344	F1AA0600AWS30 K600	P118
2433345	F1AA0800AWM30 K600	P118
2433346	F1AA1000AWM30 K600	P118
2433347	F1AA1200AWM30 K600	P118
2435131	B967A08000 KC7315	G133
2435183	WLLNR32CA19S	E55
2435184	WLLNL32CA19S	E55
2435185	WLLNR32CA30S	E55
2435186	WLLNL32CA30S	E55
2435187	WLFNR32CA19S	E55
2435188	WLFNL32CA19S	E55
2435196	KSEM3800PCM KC7135	H56, H87
2435297	CNMG120404P KC5010	B52
2435298	CNMG120408P KC5010	B52
2435299	CNMG120412P KC5010	B52
2435301	DNMG150404P KC5010	B81
2435302	DNMG150408P KC5010	B81
2435315	TNMG160404P KC5010	B127
2435320	VNMG160404P KC5010	B146
2435321	VNMG160408P KC5010	B146
2435322	WNMG080404P KC5010	B158
2435323	WNMG080408P KC5010	B158
2435325	DNMG150608P KC5010	B81
2436719	B978A11300 KC7315	G147
2436798	B978A16200 KC7315	G148
2438407	NG3125R KC5010	C154
2438408	NG3125R KC5025	C154
2438663	BGHX15L5PCERGGTM KD1410	S148
2438664	BGHX15L5PCTRHET KD1410	S148
2438665	BGHX15L504ERGET KD1415	S149
2439073	TRAOR2525M04	E65
2439075	TRAOR2525M06	E65
2439076	TRAOL2525M06	E65
2439077	TRAOR3225P06	E65
2439399	DVJNR2020K16KC04	B149
2439400	DVJNL2020K16KC04	B149
2439401	DVJNR2525M16KC04	B149
2439402	DVJNL2525M16KC04	B149
2439443	DVJNR3225P16KC04	B149
2439444	DVJNL3225P16KC04	B149
2439449	DVONR2020K16KC04	B150
2439450	DVONL2020K16KC04	B150
2439451	DVONR2525M16KC04	B150
2439452	DVONL2525M16KC04	B150
2439453	DVONR3225P16KC04	B150
2439454	DVONL3225P16KC04	B150
2439455	DVVNN2020K16KC04	B150
2439456	DVVNN2525M16KC04	B150
2439470	DWLNL2020K06KC04	B161
2439471	DWLNR2020K08KC04	B161
2439472	DWLNL2020K08KC04	B161
2439476	DWLNR2020K06KC04	B161
2440526	KTIP085R8SS10M	H31
2440527	KTIP160R8SS18M	H31
2441866	A25RDTFNR16KC04	B137
2441867	A25RDCLNR12KC04	B66
2441869	A25RDTFNL16KC04	B137
2441870	A32SDTFNR16KC04	B137
2441916	A32SDVUNR16KC04	B152
2441917	A32SDVUNL16KC04	B152
2441918	A40TDVUNR16KC04	B152
2441919	A40TDVUNL16KC04	B152
2441921	A25RDWLNR06KC04	B163
2441922	A25RDWLNL06KC04	B163
2441923	A25RDWLNR08KC04	B163
2441924	A25RDWLNL08KC04	B163
2441925	A32SDWLNR08KC04	B163
2441926	A32SDWLNL08KC04	B163
2441927	A40TDWLNR08KC04	B163
2441930	A25RDCLNL12KC04	B66
2441931	A32SDCLNR12KC04	B66
2441932	A32SDCLNL12KC04	B66
2441933	A40TDCLNR12KC04	B66
2441934	A40TDCLNL12KC04	B66
2441938	A40TDCLNL16KC06	B66
2441939	A25RDDUNR11KC04	B90
2441940	A25RDDUNL11KC04	B90
2441941	A32SDDUNR11KC04	B90
2441942	A32SDDUNL11KC04	B90
2441945	A32SDDUNR15KC06	B90
2441946	A32SDDUNL15KC06	B90
2441947	A40TDDUNR15KC06	B90
2441948	A40TDDUNL15KC06	B90
2441949	A50UDDUNR15KC06	B90
2441950	A50UDDUNL15KC06	B90
2441951	A25RDDQNR11KC04	B89
2441952	A25RDDQNL11KC04	B89
2441953	A32SDDQNR15KC06	B89
2441954	A32SDDQNL15KC06	B89
2441955	A40TDDQNR15KC06	B89
2441956	A40TDDQNL15KC06	B89
2441957	A25RDDPNR11KC04	B89
2441959	A32SDDPNR15KC06	B89
2441960	A32SDDPNL15KC06	B89
2441961	A40TDDPNR15KC06	B89
2441962	A40TDDPNL15KC06	B89
2442595	100G06NK90SP10N14K	U30
2442596	100G06RK90SP10N14K	U27
2442597	100G06LK90SP10N14K	U28
2442598	100Y06NK90SP10N14K	U34
2442599	100Y06RK90SP10N14K	U32
2442600	100Y06LK90SP10N14K	U33
2442601	125H08NK90SP10N14K	U30

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2442602	125H08RK90SP10N14K	U27
2442642	B978A09100 KC7315	G147
2443434	125H08NK90SP10N16K	U31
2443437	125H08NK90SD12N18K	U42
2443438	125H08RK90SD12N18K	U40
2443439	125H08LK90SD12N18K	U41
2443440	125H08NK90SD12N20K	U43
2443443	125Y08NK90SP10N14K	U34
2443444	125Y08RK90SP10N14K	U32
2443445	125Y08LK90SP10N14K	U33
2443446	125Y08NK90SP10N16K	U35
2443449	125Y08NK90SD12N18K	U48
2443450	125Y08RK90SD12N18K	U44
2443451	125Y08LK90SD12N18K	U46
2443452	125Y08NK90SD12N20K	U49
2443453	125Y08RK90SD12N20K	U45
2443454	125Y08LK90SD12N20K	U47
2443455	160H10NK90SP10N14K	U30
2443456	160H10RK90SP10N14K	U27
2443457	160H10LK90SP10N14K	U28
2443458	160H10NK90SP10N16K	U31
2443461	160H10NK90SD12N18K	U42
2443462	160H10RK90SD12N18K	U40
2443463	160H10LK90SD12N18K	U41
2443464	160H10NK90SD12N20K	U43
2443467	160Y10NK90SP10N14K	U34
2443468	160Y10RK90SP10N14K	U32
2443469	160Y10LK90SP10N14K	U33
2443470	160Y10NK90SP10N16K	U35
2443473	160Y10NK90SD12N18K	U48
2443475	160Y10LK90SD12N18K	U46
2443476	160Y10NK90SD12N20K	U49
2443479	200J14NK90SP10N14K	U30
2443484	200J14LK90SP10N16K	U29
2443485	200J14NK90SD12N18K	U42
2443488	200J14NK90SD12N20K	U43
2443491	200Y14NK90SP10N14K	U34
2443493	200Y14LK90SP10N14K	U33
2443494	200Y14NK90SP10N16K	U35
2443500	200Y14NK90SD12N20K	U49
2443502	200Y14LK90SD12N20K	U47
2443503	250J18NK90SP10N16K	U31
2443505	250J18LK90SP10N16K	U29
2443506	250J16NK90SD12N18K	U42
2443512	250Y18NK90SP10N16K	U35
2443515	250Y16NK90SD12N18K	U48
2443518	250Y16NK90SD12N20K	U49
2443521	315K20NK90SP10N16K	U31
2443524	315K18NK90SD12N18K	U42
2443526	315K18LK90SD12N18K	U41
2443527	315K18NK90SD12N20K	U43
2443530	315Y20NK90SP10N16K	U35
2443533	315Y18NK90SD12N20K	U49
2443536	315Y18NK90SD12N18K	U48
2443937	80A12RF84SN12B	S102
2443938	100B15RF84SN12B	S102
2444419	RCGK060400FS KC5010	E63
2444420	RCGK090700FS KC5010	E63
2444424	RCGK090700FS KC5025	E63
2445703	F2AA0600AWM45R050 K600	P120
2445704	F2AA0600AWM45R100 K600	P120
2445705	F2AA0800AWM45R050 K600	P120
2445706	F2AA0800AWM45R100 K600	P120
2445707	F3AA0600AWM45R050 K600	P122
2445708	F3AA0600AWM45R100 K600	P122
2445709	F3AA0800AWM45R050 K600	P122
2445710	F3AA0800AWM45R100 K600	P122
2446615	RPGV120700 KC5010	B167
2446618	RPGV060400 KC5010	B167
2447150	A25TPCLNR12	B68
2447151	A25TPCLNL12	B68
2447152	A32UPCLNR12	B68
2447377	EDCT180508PDERLD KC522M	T74
2447380	EDCT180548PDERLD KC522M	T74
2447473	A32UPCLNL12	B68
2447476	A32UPCLNR16	B68
2447478	A40VPCLNR16	B68
2447479	A40VPCLNL16	B68
2447480	A25TPSKNR12	B114
2447482	A32UPSKNR12	B114
2447489	A20SPTFNL11	B138
2447503	A32UPTFNL16	B138
2447504	A40VPTFNR22	B138
2447533	A40VPCLNR12	B68
2447534	A40VPCLNL12	B68
2447535	A16RPTFNR11	B138
2447536	A20SPTFNR11	B138
2447537	A25TPTFNR16	B138
2447538	A25TPTFNL16	B138
2447539	A32UPTFNR16	B138
2449473	KSEM2600HPGM KC7315	H43
2449475	KSEM3000HPGM KC7315	H43
2449476	KSEM4000HPGM KC7315	H43
2449518	KSEM2300HPGM KC7315	H43
2449924	KSEM1250HPGM KC7315	H42
2450291	B707A04000FBG KC7315	G114
2450292	B707A05000FBG KC7315	G114
2450343	B707A06000FBG KC7315	G114
2450344	B707A08000FBG KC7315	G114
2450345	B707A13000FBG KC7315	G115
2450346	B707A20000FBG KC7315	G115
2450909	KSEM2000HPGM KC7315	H42
2451576	EDCT180508PDERGD KC725M	T74
2451578	EDCT180512PDFRLDJ KC410M	T73
2451579	EDCT180512PDERGD KC725M	T74
2451580	EDCT180524PDFRLDJ KC410M	T73
2451581	EDCT180540PDFRLDJ KC410M	T73
2451582	EDCT180540PDERLD KC522M	T74
2451684	EDCT180548PDFRLDJ KC410M	T73
2451686	EDCT180508PDFLLDJ KC410M	T73
2452135	OFKT07L6AFENGB KC725M	S55
2452136	OFKT07L6AFSNHB KC725M	S55
2453684	OFPT06L5AFENGB KC725M	S51
2453686	OFPT06L5AFSNHB KC725M	S51
2453687	OFKT06L5AFENGB KC725M	S50
2453688	OFKT06L5AFSNHB KC725M	S50
2455054	B976A06100 KC7315	G139
2455056	B976A07300 KC7315	G140
2455057	B976A07700 KC7315	G140
2455430	A4R0500M05P00T01025 KY3500	B300, C100
2455801	OFPT06L5AFENGB KCK15	S51
2455802	OFPT06L5AFSNHB KCK15	S51
2455814	OFKT06L5AFENGB KCK15	S50
2455816	OFPT06L5AFENGB KCPK30	S51
2455818	OFPT06L5AFSNHB KCPK30	S51
2455819	OFKT06L5AFENGB KCPK30	S50
2455820	OFKT06L5AFSNHB KCPK30	S50
2455821	OFPT06L5AFENGB KC520M	S51
2455822	OFPT06L5AFSNHB KC520M	S51
2455854	OFKT06L5AFENGB KC520M	S50
2456097	RCGT0803M0MS KC5010	B223
2456099	RCGT1204M0MS KC5010	B223
2456320	DSDNN4040S25KC09	B105
2456321	DSRNR4040S25KC09	B106
2456322	DSRNL4040S25KC09	B106
2456906	DFR125R4WD20M	J12
2456907	DFR127R4WD20M	J12
2456908	DFR130R4WD20M	J12
2456909	DFR135R4WD20M	J12
2456910	DFR140R4WD20M	J12
2456911	DFR145R4WD20M	J12
2456912	DFR150R4WD20M	J12
2457733	DFR155R4WD20M	J12
2457734	DFR160R4WD20M	J12
2457735	DFR165R4WD32M	J12
2457736	DFR170R4WD32M	J12
2457737	DFR175R4WD32M	J12
2457738	DFR180R4WD32M	J12
2457739	DFR185R4WD32M	J12
2457741	DFR195R4WD32M	J12
2457743	DFR205R4WD32M	J12
2457744	DFR210R4WD32M	J12
2457746	DFR230R4WD32M	J12
2457747	DFR240R4WD32M	J12
2458790	OFKT06L5AFENGB KC522M	S50
2458791	OFKT06L5AFSNHB KC522M	S50
2458833	OFKT06L5AFFNLNJ KC410M	S49
2458914	SDET120416SNGB2 KCPK30	T104, T111, U52
2458915	SDET120416SNGB2 KC725M	T104, T111, U52
2458916	SDET120416SNGB2 KCK15	T104, T111, U52
2458917	SDET120416SNGB2 KC520M	T104, T111, U52
2458918	SDET120420SNGB2 KCPK30	T104, T111, U52
2458919	SDET120420SNGB2 KC725M	T104, T111, U52
2458920	SDET120420SNGB2 KCK15	T104, T111, U52
2458921	SDET120420SNGB2 KC520M	T104, T111, U52
2458922	SDET120424SNGB2 KCPK30	T104, T111, U52
2458933	SDET120424SNGB2 KC725M	T104, T111, U52
2458934	SDET120424SNGB2 KCK15	T104, T111, U52
2458936	SDET120432SNGB2 KCPK30	T104, T111, U52
2458937	SDET120432SNGB2 KC725M	T104, T111, U52
2458938	SDET120432SNGB2 KCK15	T104, T111, U52
2458939	SDET120432SNGB2 KC520M	T104, T111, U52
2460124	EDPT180512PDSRGD KC725M	T75
2460125	EDPT180512PDSRGD KCPK30	T75
2460185	EDPT180512PDSRGD KCK15	T75
2460273	881.252.200	K133, K135
2465831	63A09RF84SN12B	S102
2465832	125B18RF84SN12B	S102
2465988	KSEM2050HPGM KC7315	H42
2466093	160C24RF84SN12B	S102
2466094	200C30RF84SN12B	S102
2466477	KSEM3500HPGM KC7315	H43
2466478	KSEM3800HPGM KC7315	H43
2466598	KSEM3700HPGM KC7315	H43
2478640	25A03R044B25SED14	T48
2478642	32A04R050B32SED14	T48
2478686	50A06RS90ED14D	T50
2478689	63A07RS90ED14D	T50
2478690	80A09RS90ED14D	T50
2479504	40A02R80A32SKE25	T79
2487433	KSEM1750HPGM KC7315	H42
2488036	EDCT180520PDFRLDJ KC410M	T73
2488096	193.433	S46–48
2490989	B976A11300 KC7315	G141
2494500	KSEM2650HPGM KC7315	H43
2494501	KSEM3300HPGM KC7315	H43
2496015	KSEM2133HPGM KC7315	H43
2498749	DFR175R3WD25M	J11
2498750	DFR180R3WD25M	J11
2498751	DFR185R3WD25M	J11
2498752	DFR190R3WD25M	J11
2499003	DFR195R3WD25M	J11
2499004	DFR200R3WD25M	J11
2499005	DFR205R3WD25M	J11
2499006	DFR230R3WD25M	J11
2499007	DFR240R3WD25M	J11
2499516	B707A11000FBG KC7315	G115
2499607	KSEM1270HPGM KC7315	H42
2499608	KSEM1293HPGM KC7315	H42
2499609	KSEM1310HPGM KC7315	H42
2499610	KSEM1389HPGM KC7315	H42
2499611	KSEM1429HPGM KC7315	H42
2499612	KSEM1468HPGM KC7315	H42
2499723	KSEM1260HPGM KC7315	H42
2499725	KSEM1280HPGM KC7315	H42
2499727	KSEM1300HPGM KC7315	H42
2499729	KSEM1320HPGM KC7315	H42
2499730	KSEM1350HPGM KC7315	H42
2499731	KSEM1360HPGM KC7315	H42
2499732	KSEM1370HPGM KC7315	H42
2499733	KSEM1380HPGM KC7315	H42
2499735	KSEM1400HPGM KC7315	H42
2499736	KSEM1410HPGM KC7315	H42
2499737	KSEM1420HPGM KC7315	H42
2499739	KSEM1440HPGM KC7315	H42
2499740	KSEM1450HPGM KC7315	H42
2499741	KSEM1460HPGM KC7315	H42
2499743	KSEM1480HPGM KC7315	H42
2499744	KSEM1500HPGM KC7315	H42
2499746	KSEM1530HPGM KC7315	H42
2499748	KSEM1550HPGM KC7315	H42
2499749	KSEM1560HPGM KC7315	H42
2499750	KSEM1570HPGM KC7315	H42
2499751	KSEM1580HPGM KC7315	H42
2499753	KSEM1600HPGM KC7315	H42
2499755	KSEM1620HPGM KC7315	H42
2499757	KSEM1650HPGM KC7315	H42
2499759	KSEM1700HPGM KC7315	H42
2499763	KSEM1800HPGM KC7315	H42
2499765	KSEM1850HPGM KC7315	H42
2499767	KSEM1900HPGM KC7315	H42
2499771	KSEM1950HPGM KC7315	H42
2499775	KSEM2100HPGM KC7315	H42
2499777	KSEM2150HPGM KC7315	H43
2499779	KSEM2200HPGM KC7315	H43
2499782	KSEM2250HPGM KC7315	H43
2499784	KSEM2350HPGM KC7315	H43
2499786	KSEM2400HPGM KC7315	H43
2499787	KSEM2450HPGM KC7315	H43
2499789	KSEM2500HPGM KC7315	H43
2499791	KSEM2550HPGM KC7315	H43
2499795	KSEM2700HPGM KC7315	H43
2499796	KSEM2750HPGM KC7315	H43
2499798	KSEM2800HPGM KC7315	H43
2499800	KSEM2850HPGM KC7315	H43
2499802	KSEM2900HPGM KC7315	H43
2499803	KSEM2950HPGM KC7315	H43
2499807	KSEM3050HPGM KC7315	H43
2499810	KSEM3100HPGM KC7315	H43
2499811	KSEM3150HPGM KC7315	H43
2499813	KSEM3200HPGM KC7315	H43
2499814	KSEM3250HPGM KC7315	H43
2499818	KSEM3350HPGM KC7315	H43
2499820	KSEM3400HPGM KC7315	H43
2499822	KSEM3450HPGM KC7315	H43
2499824	KSEM3550HPGM KC7315	H43
2499826	KSEM3600HPGM KC7315	H43
2499828	KSEM3650HPGM KC7315	H43
2499831	KSEM3750HPGM KC7315	H43
2499834	KSEM3850HPGM KC7315	H43
2499835	KSEM3900HPGM KC7315	H43
2499836	KSEM3950HPGM KC7315	H43
2499837	OFKT07L6AFFNLNJ KC410M	S54
2499843	KSEM1508HPGM KC7315	H42
2499844	KSEM1548HPGM KC7315	H42
2499845	KSEM1588HPGM KC7315	H42
2499846	KSEM1609HPGM KC7315	H42
2499847	KSEM1627HPGM KC7315	H42
2499848	KSEM1667HPGM KC7315	H42
2499849	KSEM1707HPGM KC7315	H42
2499850	KSEM1746HPGM KC7315	H42
2499851	KSEM1786HPGM KC7315	H42
2499852	KSEM1826HPGM KC7315	H42
2499853	KSEM1865HPGM KC7315	H42
2499854	KSEM1905HPGM KC7315	H42
2499855	KSEM1927HPGM KC7315	H42
2499856	KSEM1945HPGM KC7315	H42
2499857	KSEM1984HPGM KC7315	H42
2499858	KSEM2024HPGM KC7315	H42
2499859	KSEM2064HPGM KC7315	H42
2499860	KSEM2143HPGM KC7315	H43
2499861	KSEM2183HPGM KC7315	H43
2499862	KSEM2223HPGM KC7315	H43
2499863	KSEM2244HPGM KC7315	H43
2499864	KSEM2342HPGM KC7315	H43
2499865	KSEM2381HPGM KC7315	H43

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2499866	KSEM2461HPGM KC7315	H43
2499867	KSEM2540HPGM KC7315	H43
2499868	KSEM2567HPGM KC7315	H43
2499869	KSEM2619HPGM KC7315	H43
2499870	KSEM2659HPGM KC7315	H43
2499871	KSEM2778HPGM KC7315	H43
2499872	KSEM2818HPGM KC7315	H43
2499873	KSEM2858HPGM KC7315	H43
2499874	KSEM2937HPGM KC7315	H43
2499875	KSEM2977HPGM KC7315	H43
2499876	KSEM3016HPGM KC7315	H43
2499877	KSEM3056HPGM KC7315	H43
2499878	KSEM3096HPGM KC7315	H43
2499879	KSEM3175HPGM KC7315	H43
2499880	KSEM3254HPGM KC7315	H43
2499881	KSEM3294HPGM KC7315	H43
2499882	KSEM3334HPGM KC7315	H43
2499883	KSEM3373HPGM KC7315	H43
2499884	KSEM3413HPGM KC7315	H43
2499885	KSEM3493HPGM KC7315	H43
2499886	KSEM3572HPGM KC7315	H43
2499887	KSEM3612HPGM KC7315	H43
2499888	KSEM3651HPGM KC7315	H43
2499889	KSEM3731HPGM KC7315	H43
2499890	KSEM3810HPGM KC7315	H43
2499891	KSEM3846HPGM KC7315	H43
2499960	B977F03800 KC7315	G143
2500741	50A03R80A32SKE25	T79
2500876	LT16ERAG60K KU25T	D54
2500931	LT16NRAG60K KU25T	D67
2503543	A4ENN2020K0611	C118
2503544	A4ENN2525M0611	C118
2503545	A4ENN3232P0611	C118
2503550	A4SML2020K0317	C113
2503551	A4SMR2020K0317	C112
2503552	A4SML2020K0417	C113
2503553	A4SMR2020K0417	C112
2503554	A4SML2020K0620	C113
2503555	A4SMR2020K0620	C112
2503556	A4SML2016K0317	C113
2503557	A4SMR2016K0317	C112
2503559	A4SMR2016K0417	C112
2504223	KSEM1970HPGM KC7315	H42
2506705	B977A15200 KC7315	G141
2507899	KSEM2560HPM KC7315	H40
2509326	EDPT180508PDSRGD KC725M	T75
2509327	EDPT180508PDSRGD KCPK30	T75
2509328	EDPT180508PDSRGD KCK15	T75
2509387	EDPT180516PDSRGD KC725M	T75
2509388	EDPT180516PDSRGD KCPK30	T75
2509408	EDPT180532PDSRGD KC725M	T75
2509410	EDPT180532PDSRGD KCPK30	T75
2510390	125B09RS90ED14D	T50
2526351	KEGT25L531PEERLDJ KC410M	T82
2526385	KEGT25L508PEERLDJ KC410M	T82
2526387	KEGT25L564PEERLDJ KC410M	T82
2526391	KMSP825IP	B105–106
2526442	KLM81025IP	B105–106
2526757	KEGT25L516PEERLDJ KC410M	T82
2539334	CM184LP	C167, D27
2539335	CM185LP	C167, D27
2541018	KSEM1800PCM KC7135	H56, H87
2541019	KSEM1850PCM KC7135	H56
2541020	KSEM2300PCM KC7135	H56, H87
2541133	B707A07000FBG KC7315	G114
2541200	KRDEA046AM	K75
2541201	KRDEA051AM	K75
2541202	KRDEA012AM	K75
2541213	KRDE025010M	K76
2541214	KRDE033010M	K76
2541215	KRDE043010M	K76
2541216	KRDE065012M	K76
2541217	KRCW032A	K76
2541511	KSEM1300PCM KC7135	H56, H87
2541512	KSEM1350PCM KC7135	H56
2541535	B976A05530 KC7315	G139
2542517	A4M50R0314A036048	C125
2542518	A4M50R0314A042058	C125
2542519	A4M50R0314A052074	C125
2542520	A4M50R0314A068100	C125
2542521	A4M50R0314A090160	C125
2542522	A4M50R0314A130300	C125
2542523	A4M50R0314A290999	C125
2542524	A4M50L0314A036048	C126
2542527	A4M50L0314A068100	C126
2542528	A4M50L0314A090160	C126
2542529	A4M50L0314A130300	C126
2542530	A4M50L0314A290999	C126
2542531	A4M50R0414A048072	C125
2542532	A4M50R0414A064100	C125
2542533	A4M50R0414A092150	C125
2542534	A4M50R0414A132300	C125
2542535	A4M50R0414A290999	C125
2542537	A4M50L0414A064100	C126
2542538	A4M50L0414A092150	C126
2542539	A4M50L0414A132300	C126
2542540	A4M50L0414A290999	C126
2542541	A4M50R0519A058094	C125
2542542	A4M50R0519A080136	C125
2542543	A4M50R0519A120300	C125
2542544	A4M50R0519A250999	C125
2542545	A4M50L0519A058094	C126
2542546	A4M50L0519A080136	C126
2542547	A4M50L0519A120300	C126
2542548	A4M50L0519A250999	C126
2542822	KSEM2500PCM KC7135	H56, H87
2542849	KSEM3000PCM KC7135	H56, H87
2543238	B977F04650 KC7315	G143
2544200	SPCT10T3PPERLD2 KC520M	T100, U36
2544251	B977F03500 KC7315	G143
2544413	SDCT1204PDERLD2 KC520M	T104, T111, U51
2545095	OFKT07L6AFENLB KCPK30	S54
2545097	OFKT07L6AFSNLB KCPK30	S54
2546816	BGHX15L5PCSRLET KD1410	S148
2548776	KTIP080R8SS10M	H31
2548777	KTIP090R8SS10M	H31
2548778	KTIP095R8SS10M	H31
2548779	KTIP100R8SS12M	H31
2548780	KTIP105R8SS12M	H31
2548781	KTIP110R8SS12M	H31
2548782	KTIP115R8SS12M	H31
2548913	KTIP120R8SS14M	H31
2548914	KTIP125R8SS14M	H31
2548915	KTIP130R8SS14M	H31
2548916	KTIP135R8SS14M	H31
2548917	KTIP140R8SS16M	H31
2548918	KTIP145R8SS16M	H31
2548919	KTIP150R8SS16M	H31
2548920	KTIP080R8SCF12M	H32
2548921	KTIP085R8SCF12M	H32
2548922	KTIP090R8SCF12M	H32
2548923	KTIP095R8SCF12M	H32
2548924	KTIP100R8SCF16M	H32
2548925	KTIP105R8SCF16M	H32
2548926	KTIP110R8SCF16M	H32
2548927	KTIP115R8SCF16M	H32
2548928	KTIP120R8SCF16M	H32
2548929	KTIP125R8SCF16M	H32
2548930	KTIP130R8SCF16M	H32
2548931	KTIP135R8SCF16M	H32
2548932	KTIP140R8SCF16M	H32
2548933	KTIP145R8SCF16M	H32
2548934	KTIP150R8SCF20M	H32
2548935	KTIP160R8SCF20M	H32
2549023	NG3047L KC5010	C155
2549978	OFPT07L6AFENGB KC520M	S55
2579622	B976A06900 KC7315	G139
2582207	CTFPR20CA22	B378
2582790	B707A17000FBG KC7315	G115
2594849	B707A21000FBG KC7315	G115
2598759	NG3072R KC5010	C154
2598760	NG3072L KC5010	C155
2598761	NG3078R KC5010	C154
2598803	NG3088R KC5010	C154
2598804	NG3097R KC5010	C154
2598806	NG3105R KC5010	C154
2598807	NG3105L KC5010	C155
2598808	NG3125L KC5010	C155
2598809	NG3142R KC5010	C154
2598811	NG3156R KC5010	C154
2598813	NG3189L KC5010	C155
2598816	NGP3125R KC5010	C152
2598817	NGP3125L KC5010	C152
2598823	NGD3189L KC5010	C157
2598824	NG3062R KC5010	C154
2599495	NG4189R KC5010	C154
2599496	NR3031L KC5010	C158
2599497	NG4189L KC5010	C155
2599498	NG4250L KC5010	C155
2599501	NGP4250R KC5010	C152
2599504	NGD4250L KC5010	C157
2599505	NR4125R KC5010	C158
2599506	NR3047R KC5010	C158
2599507	NR3047L KC5010	C158
2599508	NR3062R KC5010	C158
2599509	NR3062L KC5010	C158
2599510	NRP3031R KC5010	C153
2599511	NRP3031L KC5010	C153
2599512	NRP3047R KC5010	C153
2599513	NRP3047L KC5010	C153
2599514	NRP3062R KC5010	C153
2599515	NRP3062L KC5010	C153
2599516	NRP3094R KC5010	C153
2599518	NRP3094L KC5010	C153
2599519	NG3047R KC5025	C154
2599521	NG3062R KC5025	C154
2599522	NG3062L KC5025	C155
2599523	NG3094R KC5025	C154
2599524	NG3094L KC5025	C155
2599525	NG3125L KC5025	C155
2599526	NG3156R KC5025	C154
2599527	NG3156L KC5025	C155
2599528	NG3189R KC5025	C154
2599529	NG3189L KC5025	C155
2599530	NR3031R KC5025	C158
2599531	NR3031L KC5025	C158
2599534	NR3062R KC5025	C158
2599535	NR3062L KC5025	C158
2599536	NRD4062R KC5010	C159
2599537	NRD4062L KC5010	C159
2599538	NRD4094R KC5010	C159
2599539	NRD4094L KC5010	C159
2599540	NRD4125L KC5010	C159
2599550	NR4125L KC5010	C158
2599571	NG2031R KC5010	C154
2599572	NG2031L KC5010	C155
2599743	NG2041R KC5010	C154
2599744	NG2041L KC5010	C155
2599745	NG2047R KC5010	C154
2599746	NG2047L KC5010	C155
2599748	NG2094R KC5010	C154
2599749	NG2094L KC5010	C155
2599750	NG2125R KC5010	C154
2599751	NG2125L KC5010	C155
2599752	NGP2031R KC5010	C152
2599757	NR2031R KC5010	C158
2599758	NR2031L KC5010	C158
2599759	NR2062R KC5010	C158
2599760	NR2062L KC5010	C158
2599761	NG2031R KC5025	C154
2599765	NG2062R KC5025	C154
2599887	B976A04100 KC7315	G138
2603030	KSEM2430HPGM KC7315	H43
2604354	RNMG120400RN KC5010	B94
2605709	B977F03000 KC7315	G143
2607377	B707A10000FBG KC7315	G115
2613785	25A02R050A25SED18-170	T71
2613786	32A03R050A32SED18-200	T71
2613787	40A04R050A32SED18-200	T71
2613788	32A02R050A32SED18-200	T71
2613789	40A03R050A32SED18-200	T71
2613790	3.41020R904 KC7315	I16
2613791	3.41020R901 KC7315	I15
2613792	3.41020R902 KC7315	I15
2613858	B967A14000 KC7315	G134
2614817	B976A07100 KC7315	G139
2615043	3.41020R903 KC7315	I15
2615044	3.41220R904 KC7315	I16
2615045	3.41220R901 KC7315	I15
2615046	3.41220R902 KC7315	I15
2615047	3.41220R903 KC7315	I15
2616697	KSEM2215HPGM KC7315	H43
2618743	170.314	H31–32
2619033	B707A05560FBG KC7315	G114
2620169	B978A04600 KC7315	G146
2622232	20A02R039B20SED14	T48
2623070	B707A16000FBG KC7315	G115
2623553	B256A05100 KC7315	G63
2623860	KSEM2000PCM KC7135	H56, H87
2623933	40A05R050B32SED14	T48
2623934	40A05RS90ED14D	T50
2623935	100A10RS90ED14D	T50
2623936	125B12RS90ED14D	T50
2623937	25A02R044B25SED14	T48
2623938	32A03R050B32SED14	T48
2623939	40A04R050B32SED14	T48
2623940	40A04RS90ED14D	T50
2623941	50A05RS90ED14D	T50
2623942	63A06RS90ED14D	T50
2623963	80A07RS90ED14D	T50
2623964	100A08RS90ED14D	T50
2623965	160C11RS90ED14D	T50
2625682	B256A07000 KC7315	G63
2625713	F3BA0600ADL40E180 K600	P125
2625714	F3BA0800ADL40E240 K600	P125
2625715	F3BA1000ADL40E300 K600	P125
2625716	F3BA1200ADL40E360 K600	P125
2625717	F3BA1600ADL40E480 K600	P125
2625718	F3BA2000ADL40E600 K600	P125
2625743	B256A08000 KC7315	G63
2627240	B967A12000 KC7315	G134
2627513	F4AW0400AWL38W040 KC633M	P22
2627514	F4AW0500AWL38W040 KC633M	P22
2627515	F4AW0600AWL38W040 KC633M	P22
2627516	F4AW0800AWL38W040 KC633M	P22
2627517	F4AW1000AWX38W040 KC633M	P22
2627518	F4AW0400AWL38W060 KC633M	P22
2627519	F4AW0500AWL38W060 KC633M	P22
2627520	F4AW0600AWL38W060 KC633M	P22
2627521	F4AW0800AWL38W060 KC633M	P22
2627522	F4AW1000AWX38W060 KC633M	P22
2628928	B707A11570FBG KC7315	G115
2629032	B707A04900FBG KC7315	G114
2629368	B707A12000FBG KC7315	G115
2633016	B707A18000FBG KC7315	G115
2633730	KTIP080R3BF08M	I11
2633731	KTIP090R5BF10M	I13
2633732	KTIP160R3BF17M	I11
2634374	3.77000R224V	J75
2634375	3.77000R227V	J75
2634376	3.77000R229V	J75
2634377	3.77000R231V	J75
2634378	3.77000R239V	J75
2634379	3.77000R249V	J75
2634380	3.77000R251V	J75
2634381	3.77000R253V	J75
2634382	3.77000R274V	J75
2634413	3.77000R276V	J75
2634414	3.77000R278V	J75
2634415	3.77000R280V	J75
2634416	3.77000R282V	J75
2634417	3.77000R284V	J75
2634418	3.77000R286V	J75
2634419	3.77000R288V	J75
2634568	B707A07500FBG KC7315	G114
2635436	B977A15300 KC7315	G141
2636514	B707A12800FBG KC7315	G115
2636741	S2160	V82
2636814	MS1235CG	T80
2637756	MS2060	S34
2637805	F7IP	T29, T38
2639052	B707A11800FBG KC7315	G115
2639144	B707A15250FBG KC7315	G115
2639491	KSEM3900PCM KC7135	H56, H87
2641904	B966A16500 KC7315	G134
2643468	B977F03400 KC7315	G143
2646000	B707A15000FBG KC7315	G115
2646064	KSEM1280PCM KC7135	H56
2646067	KSEM1380PCM KC7135	H56
2646068	KSEM1400PCM KC7135	H56, H87
2646069	KSEM1410PCM KC7135	H56
2646072	KSEM1450PCM KC7135	H56
2646073	KSEM1460PCM KC7135	H56
2646074	KSEM1480PCM KC7135	H56
2646075	KSEM1500PCM KC7135	H56, H87

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2646077	KSEM1550PCM KC7135	H56
2646078	KSEM1560PCM KC7135	H56
2646080	KSEM1580PCM KC7135	H56
2646081	KSEM1600PCM KC7135	H56, H87
2646082	KSEM1620PCM KC7135	H56
2646083	KSEM1650PCM KC7135	H56
2646084	KSEM1700PCM KC7135	H56, H87
2646085	KSEM1900PCM KC7135	H56, H87
2646086	KSEM1950PCM KC7135	H56
2646087	KSEM2050PCM KC7135	H56
2646088	KSEM2100PCM KC7135	H56, H87
2646089	KSEM2150PCM KC7135	H56
2646090	KSEM2200PCM KC7135	H56, H87
2646091	KSEM2250PCM KC7135	H56
2646092	KSEM2350PCM KC7135	H56
2646093	KSEM2400PCM KC7135	H56, H87
2646094	KSEM2450PCM KC7135	H56
2646095	KSEM2550PCM KC7135	H56
2646096	KSEM2650PCM KC7135	H56
2646097	KSEM2700PCM KC7135	H56, H87
2646099	KSEM2800PCM KC7135	H56, H87
2646100	KSEM2850PCM KC7135	H56
2646101	KSEM2900PCM KC7135	H56, H87
2646102	KSEM2950PCM KC7135	H56
2646103	KSEM3050PCM KC7135	H56
2646104	KSEM3100PCM KC7135	H56, H87
2646106	B343S12200HPG KC7315	I10
2646108	B343S12500HPG KC7315	I10
2646109	B343S12700HPG KC7315	I10
2646110	B343S12800HPG KC7315	I10
2646111	B343S13000HPG KC7315	I10
2646112	B343S06100HPG KC7315	I8
2646253	B343S06200HPG KC7315	I8
2646254	B343S06300HPG KC7315	I8
2646255	B343S06350HPG KC7315	I8
2646256	B343S06400HPG KC7315	I8
2646257	B343S06500HPG KC7315	I8
2646258	B343S06528HPG KC7315	I8
2646259	B343S06600HPG KC7315	I8
2646260	B343S06700HPG KC7315	I8
2646261	B343S06746HPG KC7315	I9
2646262	B343S06800HPG KC7315	I9
2646263	B343S06900HPG KC7315	I9
2646265	B343S07000HPG KC7315	I9
2646266	B343S07145HPG KC7315	I9
2646267	B343S07300HPG KC7315	I9
2646268	B343S07400HPG KC7315	I9
2646269	B343S07500HPG KC7315	I9
2646270	B343S07541HPG KC7315	I9
2646272	B343S07800HPG KC7315	I9
2646273	B343S07900HPG KC7315	I9
2646274	B343S07938HPG KC7315	I9
2646275	B343S08000HPG KC7315	I9
2646276	B343S03175HPG KC7315	I8
2646277	B343S03400HPG KC7315	I8
2646278	B343S03500HPG KC7315	I8
2646279	B343S03797HPG KC7315	I8
2646280	B343S03800HPG KC7315	I8
2646281	B343S03970HPG KC7315	I8
2646282	B343S04000HPG KC7315	I8
2646333	B343S04100HPG KC7315	I8
2646334	B343S04200HPG KC7315	I8
2646335	B343S04300HPG KC7315	I8
2646336	B343S04500HPG KC7315	I8
2646337	B343S04600HPG KC7315	I8
2646338	B343S04623HPG KC7315	I8
2646339	B343S04763HPG KC7315	I8
2646340	B343S04900HPG KC7315	I8
2646341	B343S05000HPG KC7315	I8
2646342	B343S05100HPG KC7315	I8
2646343	B343S05200HPG KC7315	I8
2646344	B343S05300HPG KC7315	I8
2646345	B343S05400HPG KC7315	I8
2646346	B343S05410HPG KC7315	I8
2646347	B343S05500HPG KC7315	I8
2646348	B343S05550HPG KC7315	I8
2646349	B343S05558HPG KC7315	I8
2646350	B343S05600HPG KC7315	I8
2646351	B343S05800HPG KC7315	I8
2646352	B343S06000HPG KC7315	I8
2646385	B343S13200HPG KC7315	I10
2646386	B343S13500HPG KC7315	I10
2646387	B343S14000HPG KC7315	I10
2646389	B343S14200HPG KC7315	I10
2646390	B343S14280HPG KC7315	I10
2646391	B343S15000HPG KC7315	I10
2646392	B343S15500HPG KC7315	I10
2646393	B343S15870HPG KC7315	I10
2646394	B343S16000HPG KC7315	I10
2646395	B343S16500HPG KC7315	I10
2646396	B343S16670HPG KC7315	I10
2646397	B343S17000HPG KC7315	I10
2646399	B343S17500HPG KC7315	I10
2646400	B343S17700HPG KC7315	I10
2646401	B343S18000HPG KC7315	I10
2646402	B343S10100HPG KC7315	I9
2646423	B343S10200HPG KC7315	I9
2646424	B343S10300HPG KC7315	I9
2646425	B343S10320HPG KC7315	I9
2646426	B343S10400HPG KC7315	I9
2646427	B343S10500HPG KC7315	I9
2646428	B343S10600HPG KC7315	I9
2646429	B343S10700HPG KC7315	I9
2646430	B343S10710HPG KC7315	I9
2646431	B343S10800HPG KC7315	I9
2646432	B343S11000HPG KC7315	I9
2646433	B343S11100HPG KC7315	I9
2646434	B343S11110HPG KC7315	I9
2646435	B343S11200HPG KC7315	I9
2646436	B343S11300HPG KC7315	I9
2646437	B343S11500HPG KC7315	I9
2646438	B343S11508HPG KC7315	I9
2646439	B343S11700HPG KC7315	I9
2646440	B343S11800HPG KC7315	I10
2646441	B343S11900HPG KC7315	I10
2646442	B343S12000HPG KC7315	I10
2647585	B977F03900 KC7315	G143
2649363	B976A03970 KC7315	G138
2649364	B976A04763 KC7315	G139
2649365	B976A05575 KC7315	G139
2649366	B976A06350 KC7315	G139
2649367	B976A06746 KC7315	G139
2649368	B976A07145 KC7315	G139
2649369	B976A07541 KC7315	G140
2649370	B976A07938 KC7315	G140
2649371	B976A08334 KC7315	G140
2649372	B976A08733 KC7315	G140
2649373	B976A09129 KC7315	G140
2649374	B976A09525 KC7315	G140
2649375	B976A09921 KC7315	G140
2649376	B976A10320 KC7315	G140
2649377	B976A10716 KC7315	G141
2649378	B976A11113 KC7315	G141
2649379	B976A11509 KC7315	G141
2649380	B976A11908 KC7315	G141
2649381	B976A12304 KC7315	G141
2649382	B976A14288 KC7315	G141
2649383	B976A15875 KC7315	G142
2649384	B976A17463 KC7315	G142
2649385	B976A19050 KC7315	G142
2649386	B977A03970 KC7315	G138
2649387	B977A04580 KC7315	G139
2649388	B977A04623 KC7315	G139
2649389	B977A04763 KC7315	G139
2649390	B977A05410 KC7315	G139
2649391	B977A05558 KC7315	G139
2649486	B967A10500 KC7315	G133
2649548	R30FBHS06	K136
2649549	R38FBHS06	K136
2649550	R48FBHS06	K136
2649551	R65FBHS06	K136
2649552	R85FBHS06	K136
2649553	R85FBHS09	K136
2649554	R125FBHS09	K136
2649555	R24FBHS06LF	K136
2649556	R31FBHS06LF	K136
2649557	R40FBHS06LF	K136
2649558	R51FBHS06LF	K136
2649559	R67FBHS09LF	K136
2649569	40A02R50A32SKE25	T79
2649571	50A02R100A32SKE25	T79
2649913	DH35M	S41, T102
2650038	B707A08500FBG KC7315	G114
2651013	B343S08100HPG KC7315	I9
2651014	B343S08200HPG KC7315	I9
2651015	B343S08300HPG KC7315	I9
2651016	B343S08334HPG KC7315	I9
2651017	B343S08400HPG KC7315	I9
2651018	B343S08433HPG KC7315	I9
2651019	B343S08500HPG KC7315	I9
2651020	B343S08600HPG KC7315	I9
2651021	B343S08700HPG KC7315	I9
2651022	B343S08733HPG KC7315	I9
2651023	B343S08800HPG KC7315	I9
2651025	B343S09000HPG KC7315	I9
2651026	B343S09100HPG KC7315	I9
2651028	B343S09347HPG KC7315	I9
2651029	B343S09400HPG KC7315	I9
2651030	B343S09500HPG KC7315	I9
2651031	B343S09525HPG KC7315	I9
2651033	B343S09700HPG KC7315	I9
2651034	B343S09800HPG KC7315	I9
2651035	B343S09921HPG KC7315	I9
2651036	B343S10000HPG KC7315	I9
2651037	HSK63FBH01695	K124
2651038	AFB38115SCFPR09	K130
2651039	AFB42115SCFPR09	K130
2651040	AFB47115SCFPR09	K130
2651042	RS1605	K125
2651163	CFB10082	K131
2651164	CFB12096	K131
2651165	CFB14110	K131
2651166	CFB16120	K131
2651167	CFB18140	K131
2651168	HFB1023SCFPR06	K126
2651169	HFB1223SCFPR06	K126
2651170	HFB1627SCFPR06	K126
2651171	HFB2127SCFPR06	K126
2651172	HFB2427SCFPR06	K126
2651173	HFB2727SCFPR06	K126
2651174	HFB3127SCFPR06	K126
2651175	HFB3427SCFPR06	K126
2651176	HFB14FBHS1440	K126
2651177	HFB16FBHS1640	K126
2651178	HFB19FBHS1840	K126
2652755	B707A09000FBG KC7315	G115
2652965	SYB24RBHT06F	K121
2652967	SYB30RBHT06F	K121
2652968	SYB40RBHT09F	K121
2652969	SYB50RBHT09F	K121
2652970	SYB66RBHT12F	K121
2652971	SYB66RBHT12LF	K121
2652972	SYB87RBHT12F	K121
2652983	SYB87RBHT16LF	K121
2652984	SYB115RBHT16LF	K121
2653917	KSEM1925HPGM KC7315	H42
2655215	B977A13200 KC7315	G141
2655963	B707A04800FBG KC7315	G114
2656831	B978F08500 KC7315	G149
2656984	F4AT0600AWL20R005 KC637M	P143
2656985	F4AT0600AWL20R010 KC637M	P143
2656986	F4AT0800AWL20R005 KC637M	P143
2656987	F4AT0800AWL20R010 KC637M	P143
2656989	F4AT0800AWL20R020 KC637M	P143
2656990	F4AT1000AWL20R005 KC637M	P143
2656991	F4AT1000AWL20R010 KC637M	P143
2656993	F4AT1000AWL20R020 KC637M	P143
2656994	F4AT1000AWL20R025 KC637M	P143
2656995	F4AT1200AWX20R010 KC637M	P143
2656996	F4AT1200AWX20R015 KC637M	P143
2656998	F4AT1200AWX20R030 KC637M	P143
2656999	F4AT0400AWS20R005 KC637M	P143
2657000	F4AT0400AWS20R010 KC637M	P143
2657001	F4AT0500AWS20R005 KC637M	P143
2657002	F4AT0500AWS20R010 KC637M	P143
2657123	F4AT0600AWS20R005 KC637M	P143
2657126	F4AT0800AWM20R010 KC637M	P143
2657127	F4AT0800AWM20R020 KC637M	P143
2657128	F4AT1000AWM20R005 KC637M	P143
2657132	F4AT1000AWM20R025 KC637M	P143
2657135	F4AT1200AWL20R015 KC637M	P143
2657137	F4AT1200AWL20R030 KC637M	P143
2657417	F2AL0100AWM30E060 KC637M	P167
2657418	F2AL0100AWM30E100 KC637M	P167
2657419	F2AL0100AWM30E160 KC637M	P167
2657423	F2AL0150AWM30E160 KC637M	P167
2657425	F2AL0200AWM30E100 KC637M	P167
2657426	F2AL0200AWM30E160 KC637M	P167
2657427	F2AL0200AWM30E0200 KC637M	P167
2657432	F2AL0400AWM30E060 KC637M	P167
2657435	F2AL0400AWM30E160 KC637M	P167
2657439	F2AT1000AWL20R010 KC637M	P142
2657440	F2AT1200AWX20R005 KC637M	P142
2657441	F2AT1200AWX20R010 KC637M	P142
2657603	B707A11700FBG KC7315	G115
2658030	B707A08800FBG KC7315	G115
2658054	B256A08400 KC7315	G63
2658075	B967A10700 KC7315	G133
2658213	B977A06528 KC7315	G139
2658214	B977A09746 KC7315	G140
2658215	B977A06909 KC7315	G139
2658216	B977A07145 KC7315	G139
2658217	B977A07541 KC7315	G140
2658218	B977A07938 KC7315	G140
2658219	B977A08334 KC7315	G140
2658220	B977A08433 KC7315	G140
2658221	B977A08733 KC7315	G140
2658222	B977A09129 KC7315	G140
2658223	B977A09347 KC7315	G140
2658224	B977A09525 KC7315	G140
2658226	B977A09921 KC7315	G140
2658227	B977A10320 KC7315	G140
2658228	B977A10716 KC7315	G141
2658229	B977A11113 KC7315	G141
2658230	B977A11509 KC7315	G141
2658231	B977A11908 KC7315	G141
2658232	B977A12304 KC7315	G141
2658234	B977A13096 KC7315	G141
2658235	B977A14288 KC7315	G141
2658236	B977A15875 KC7315	G142
2658237	B977A16078 KC7315	G142
2658239	B977A17463 KC7315	G142
2658240	B977A19050 KC7315	G142
2658241	B977A19253 KC7315	G142
2658242	B977A19446 KC7315	G142
2658393	B978A03970 KC7315	G146
2658394	B978A04763 KC7315	G146
2658395	B978A05558 KC7315	G146
2658396	B978A06350 KC7315	G146
2658397	B978A06746 KC7315	G146
2658398	B978A07145 KC7315	G146
2658399	B978A07541 KC7315	G147
2658400	B978A07938 KC7315	G147
2658401	B978A08334 KC7315	G147
2658402	B978A08733 KC7315	G147
2658403	B978A09129 KC7315	G147
2658404	B978A09525 KC7315	G147
2658405	B978A09921 KC7315	G147
2658406	B978A10320 KC7315	G147
2658407	B978A10716 KC7315	G147
2658408	B978A11113 KC7315	G147
2658409	B978A11509 KC7315	G147
2658410	B978A11908 KC7315	G147
2658411	B978A12304 KC7315	G147
2658412	B978A12700 KC7315	G147
2658413	B978A14288 KC7315	G148
2658414	B978A15875 KC7315	G148
2658415	B978A16078 KC7315	G148
2658416	B978A17463 KC7315	G148
2658417	B978A19050 KC7315	G148
2658418	B978A19253 KC7315	G148
2658419	A4G0300M03P04T01025 KY3500	B300, C100
2658420	A4G0400M04P04T01025 KY3500	B300, C100
2658421	A4G0500M05P08T01025 KY3500	B300, C100
2658422	A4G0600M06P08T01025 KY3500	B300, C100
2658685	B967A16000 KC7315	G134
2659233	A4G0800M08P08T01025 KY3500	B300, C100
2659234	A4G125I03P1T0425 KY3500	B300, C100
2659236	A4G250I06P2T0425 KY3500	B300, C100
2659238	A4R0300M03P00T01025 KY3500	B300, C100

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
2659240	A4R0600M06P00T01025 KY3500 B300, C100	
2659241	A4R0800M08P00T01025 KY3500 B300, C100	
2659244	A4R250I06P00T0425 KY3500 B300, C100	
2659833	KEGT25L520PEERLDJ KC410M	T82
2660255	KEGT25L540PEERLDJ KC410M	T82
2660384	B707A05900FBG KC7315	G114
2818063	B977A21000 KC7315	G142
2825941	QTM20 WG	B273
2832635	CT11 WG	B273
2868502	3.77000R250V	J75
2869513	3.77000R252V	J75
2869514	3.77000R228V	J75
2869515	3.77000R230V	J75
2869516	3.77000R248V	J75
2872839	KSEM1923HPM KC7315	H40
2875458	KEGT25L550PEERLDJ KC410M	T82
2875584	B978A05800 KC7315	G146
2876977	RPGV120700MP KC5010	B167
2877233	KDMT1610ERGC KC515M	V132
2877234	KDMT2010ERGC KC515M	V132
2877235	KDMT2510ERGC KC515M	V132
2877236	KDMT1210ERGN KC515M	V132
2877237	KDMT1610ERGN KC515M	V132
2877238	KDMT2010ERGN KC515M	V132
2877239	KDMT2510ERGN KC515M	V132
2877242	KDMB10R120A10HNC	V114
2877373	KDMB10R150A10HNC	V114
2877374	KDMB12R120A12HNC	V114
2877375	KDMB12R160A12HNC	V114
2877376	KDMB16R140A16HNC	V114
2877377	KDMB16R175A16HNC	V114
2877378	KDMB20R140A20HNC	V114
2877379	KDMB20R190A20HNC	V114
2877380	KDMB25R160A25HNC	V114
2877381	KDMB25R210A25HNC	V114
2877383	KDMB32R240A32HNC	V114
2877384	KDMT12R120A12HNC	V130
2877385	KDMT12R160A12HNC	V130
2877386	KDMT16R140A16HNC	V130
2877387	KDMT16R175A16HNC	V130
2877388	KDMT20R140A20HNC	V130
2877389	KDMT20R190A20HNC	V130
2877454	EDPT180508PDERHD KC725M	T75
2877455	EDPT180508PDERHD KCPK30	T75
2877456	EDPT180512PDERHD KC725M	T75
2877457	EDPT180512PDERHD KCPK30	T75
2877458	EDPT180516PDERHD KC725M	T75
2877459	EDPT180516PDERHD KCPK30	T75
2877460	EDPT180532PDERHD KC725M	T75
2877461	EDPT180532PDERHD KCPK30	T75
2878139	52A02RS90KE25	T80
2878591	B976A03300 KC7315	G138
2878592	B976A03000 KC7315	G138
2880434	40A02R110S63SKE25	T81
2880439	50A03R140S63SKE25	T81
2880630	KSCM63R08CAH63A090	S131
2881212	193.450	J75
2881283	193.451	J75
2881349	KSCM80R10CAB27	S132
2881352	KSCM100R12CAB32	S132
2881505	KSCM125R16CAB40	S132
2881509	KSCM160R18CAB40	S132
2881510	KSCM200R24CAB60	S132
2881511	KSCM250R30CAB60	S132
2882164	B976A16200 KC7315	G142
2883559	KEGT25L512PEERLDJ KC410M	T82
2884170	B976A10400 KC7315	G140
2884902	KSCMCA75UN KD1420	S133
2884915	KSCMCA90UN KD1420	S134
2884918	KSCMCA75QF KD1420	S133
2884919	KSCMCA75PT KD1420	S133
2885009	B707A12500FBG KC7315	G115
2886972	SDET120432XENGB2 KC725M	T104, T111, U52
2887393	KSEM2120HPGM KC7315	H42
2887394	KSEM2670HPGM KC7315	H43
2887395	KSEM1770HPGM KC7315	H42
2887724	B707A03000FBG KC7315	G114
2888086	KTIP080R4BF09M	I12
2888087	KTIP085R4BF09M	I12
2888088	KTIP090R4BF10M	I12
2888089	KTIP095R4BF10M	I12
2888090	KTIP100R4BF11M	I12
2888091	KTIP105R4BF11M	I12
2888092	KTIP110R4BF12M	I12
2888306	B978A04000 KC7315	G146
2888501	KTIP080R3BF09M	I11
2888502	KTIP085R3BF09M	I11
2888893	KTIP090R3BF09M	I11
2888894	KTIP090R3BF10M	I11
2888895	KTIP095R3BF10M	I11
2888896	KTIP100R3BF10M	I11
2888897	KTIP100R3BF11M	I11
2888898	KTIP105R3BF11M	I11
2888899	KTIP110R3BF11M	I11
2888900	KTIP110R3BF12M	I11
2888901	KTIP115R3BF12M	I11
2888902	KTIP120R3BF12M	I11
2888903	KTIP120R3BF13M	I11
2888904	KTIP125R3BF13M	I11
2888905	KTIP130R3BF13M	I11
2888906	KTIP130R3BF14M	I11
2888907	KTIP135R3BF14M	I11
2888908	KTIP140R3BF14M	I11
2888909	KTIP140R3BF15M	I11
2888910	KTIP145R3BF15M	I11
2888911	KTIP150R3BF15M	I11
2888912	KTIP150R3BF16M	I11
2888913	KTIP160R3BF16M	I11
2889053	KTIP115R4BF12M	I12
2889054	KTIP120R4BF13M	I12
2889055	KTIP125R4BF13M	I12
2889056	KTIP130R4BF14M	I12
2889057	KTIP135R4BF14M	I12
2889058	KTIP140R4BF15M	I12
2889059	KTIP145R4BF15M	I12
2889060	KTIP150R4BF16M	I12
2889061	KTIP160R4BF17M	I12
2889062	KTIP080R5BF09M	I13
2889063	KTIP085R5BF09M	I13
2889064	KTIP095R5BF10M	I13
2889065	KTIP100R5BF11M	I13
2889066	KTIP105R5BF11M	I13
2889067	KTIP110R5BF12M	I13
2889068	KTIP115R5BF12M	I13
2889069	KTIP120R5BF13M	I13
2889070	KTIP125R5BF13M	I13
2889071	KTIP130R5BF14M	I13
2889072	KTIP135R5BF14M	I13
2889073	KTIP140R5BF15M	I13
2889074	KTIP145R5BF15M	I13
2889075	KTIP150R5BF16M	I13
2889076	KTIP160R5BF17M	I13
2889261	SDCT120432ENLD2 KC522M	T104, T111, U51
2890223	B976A03700 KC7315	G138
2890773	S32SCCLNR12MX7	B372
2891696	CSDNN2525M12MX7	B363
2891706	CCKNR2525M12MX7	B356
2891727	CCKNL2525M12MX7	B356
2896948	B707A19000FBG KC7315	G115
2907289	FBSCUCR09CA06F	K112
2907291	FBSTFCR09CA11F	K113
2940518	B978A08200 KC7315	G147
2951623	BGHX15L5PCSRLET KD1415	S148
2951631	3.37092R320	I14
2951632	3.37092R820	I14
2954527	63A02RS90KE25	T80
2954528	63A03RS90KE25	T80
2956333	VNGX160712T02020 KY3500	B298
2956334	VNGX160716T02020 KY3500	B298
2957497	B707A14500FBG KC7315	G115
2957706	HNGF090504MF KC514M	S98
2957711	SNXF120412ENLD KC514M	S104
2957728	SNXF1204ZNENLD KC524M	S104
2957730	SNXF120412SNGP KC524M	S104
2957732	SNXF1204ZNSNGP KC524M	S104
2957734	SNXF120412ENLD KC524M	S104
2957735	SNXF120412SNHE KC524M	S104
2957736	SNXF1204ZNENLD KC514M	S104
2957738	SNXF120412SNGP KC514M	S104
2957739	SNXF1204ZNSNGP KC514M	S104
2957741	SNXF1204ZNSNHE KC514M	S104
2961763	551.013	B356
2963631	B511S08000 KC7315	J76
2963632	B511S10000 KC7315	J76
2963663	B511S15000 KC7315	J76
2963664	B511S20000 KC7315	J76
2963665	B511S25000 KC7315	J76
2963666	B511S30000 KC7315	J76
2963873	25A02R044A25SED18-150	T71
2963874	34A03R050A32SED18-250	T71
2963875	40A03R050A32SED18-250	T71
2963876	40A04R050A32SED18-250	T71
2964507	RNMG190600RN KC5010	B94
2965409	B977A04650 KC7315	G139
2968363	20A02R050A20SED14-170	T49
2968364	25A03R050A25SED14-170	T49
2968365	32A04R050A32SED14-200	T49
2968366	40A05R050A32SED14-200	T49
2968367	25A02R050A25SED14-170	T49
2968368	32A03R050A32SED14-200	T49
2968369	40A04R050A32SED14-200	T49
2968370	20A02R035M10SED14	T47
2968371	25A02R035M12SED14	T47
2968372	32A03R040M16SED14	T47
2968373	40A04R040M16SED14	T47
2972258	A4C0155N00CF01 KC5025	C102
2972259	A4C0155L06CF01 KC5025	C103
2972262	A4C0155R06CF01 KC5025	C103
2973094	A4C0155R16CF01 KC5025	C103
2974425	A4SMR2020K0217	C112
2975401	MS2166	T47–50
2975402	MS2167	T47–49
2978378	A4SCR1212K0113	C114
2979048	B978A05900 KC7315	G146
2979110	A4C0205L10CF02 KC5025	C103
2979111	A4C0205N00CF02 KC5025	C102
2979112	A4C0205R06CF02 KC5025	C103
2979192	A20RA4EML0207M	C119
2979216	A4C0255N00CF02 KC5025	C102
2979217	A4C0255R06CF02 KC5025	C103
2979223	A20RA4EMR0207M	C119
2979224	A25RA4EML0210M	C119
2979225	A25RA4EMR0210M	C119
2980526	EDPT140412PDSRGD KCPK30	T54, T63
2980527	EDPT140412PDSRGD KC520M	T54, T63
2980530	EDPT140408PDSRGD KC520M	T54, T63
2980531	EDPT140408PDSRGD KCPK30	T54, T63
2980568	EDPT140412PDSRGD KC725M	T54, T63
2981644	EDPT140408PDSRGD KC725M	T54, T63
2982018	OFKT07L6AFSNLB KC725M	S54
2982019	OFKT07L6AFENLB KC725M	S54
2982020	OFKT06L5AFSNLB KC725M	S50
2982021	OFKT06L5AFENLB KC725M	S50
2982065	OFKT07L6AFENLB KC522M	S54
2982069	OFKT06L5AFSNLB KC522M	S50
2982070	OFKT06L5AFSNLB KC520M	S50
2982072	OFKT06L5AFSNLB KCPK30	S50
2982077	EDPT140416PDSRGD KC725M	T54, T63
2982084	OFKT06L5AFENLB KC522M	S50
2982086	OFKT06L5AFENLB KCK15	S50
2982087	OFKT06L5AFENLB KCPK30	S50
2982090	EDPT140416PDSRGD KC520M	T54, T63
2982091	EDPT140416PDSRGD KCPK30	T54, T63
2982168	A4SCL2020K0113	C114
2982169	A4SCL1616K0113	C114
2982170	A4SCL1212K0113	C114
2982172	A4SCR2020K0113	C114
2982223	A4SCR1616K0113	C114
2982224	A4SCR1010K0113	C114
2983278	EDCT140408PDERLD KC522M	T52, T61
2983279	EDCT140408PDFRLDJ KC410M	T51, T60
2983331	EDCT140408PDERGD KC725M	T52, T61
2983890	EDCT140404PDERGD KC725M	T52, T61
2983891	EDCT140431PDERGD KC725M	T52, T61
2983980	A4G0205M02U02GMN KC5010	C96
2983981	A4G0205M02U02GMN KC5025	C96
2983982	A4G0205M02U02GMP KC5010	C95
2984013	A4G0205M02U02GMP KC5025	C95
2984015	A4G0200M02P02GMP KC5010	C95
2984016	A4G0200M02P02GMP KC5025	C95
2984018	A4G0255M2BU02GMN KC5025	C96
2984020	A4G0255M2BU02GMP KC5025	C95
2984022	A4G0250M2BP02GMP KC5010	C95
2984024	A4R0205M02U00GMN KC5010	C97
2984025	A4R0205M02U00GMN KC5025	C97
2984026	A4R0200M02P00GMP KC5010	C96
2984027	A4R0200M02P00GMP KC5025	C96
2984028	A4G0942BP05GMN KC5010	C97
2984053	EDCT140404PDERLD KC522M	T52, T61
2984054	EDCT140404PDFRLDJ KC410M	T51, T60
2984056	EDCT140431PDERLD KC522M	T52, T61
2984057	EDCT140431PDFRLDJ KC410M	T51, T60
2984137	EDCT140412PDERLD KC522M	T52, T61
2984138	EDCT140412PDFRLDJ KC410M	T51, T60
2984210	EDCT140412PDERGD KC725M	T52, T61
2984359	EDCT140416PDERLD KC522M	T52, T61
2984360	EDCT140416PDFRLDJ KC410M	T51, T60
2984773	EDCT140416PDERGD KC725M	T52, T61
2985272	B707A03500FBG KC7315	G114
2985333	B707A04500FBG KC7315	G114
2985334	B707A06500FBG KC7315	G114
2985335	B707A09500FBG KC7315	G115
2985336	B707A14000FBG KC7315	G115
2985682	193.465	S131–132
2985873	193.464	S131–132
2985874	193.461	S110, S131–132
2985875	193.460	S132
2985876	193.462	S132
2985878	470.269	S132
2985879	470.270	S132
2985880	470.271	S132
2985881	470.272	S132
2985882	470.273	S132
2987166	MSKNR25CA19	B115
2993398	B707A07800FBG KC7315	G114
3003873	KDMT1210ERGC KC515M	V132
3005898	B967A11000 KC7315	G133
3005899	B967A13500 KC7315	G134
3005956	B976A03100 KC7315	G138
3013657	KSEM1880HPGM KC7315	H42
3015439	DFR030204MD KC7140	J84
3015440	DFR040304MD KC7140	J84
3016028	KSEM2305HPGM KC7315	H43
3017334	A4SML2525M0217	C113
3017335	A4SML2525M0214	C113
3017336	A4SML2020K0214	C113
3017337	A4SML2020K0217	C113
3017338	A4SML1616K0214	C113
3017339	A4SMR2525M0217	C112
3017340	A4SMR2525M0214	C112
3017341	A4SMR2020K0214	C112
3017342	A4SMR1616K0214	C112
3017663	KTIP170R3SS18M	H31
3017664	KTIP180R3SS20M	H31
3017665	KTIP190R3SS20M	H31
3017666	KTIP200R3SS25M	H31

Index

Order No.	Catalogue No.	Page(s)
3017667	KTIP170R3SCF20M	H32
3017668	KTIP180R3SCF25M	H32
3017669	KTIP190R3SCF25M	H32
3017670	KTIP200R3SCF25M	H32
3017671	KTIP170R5SS18M	H31
3017672	KTIP180R5SS20M	H31
3017673	KTIP190R5SS20M	H31
3017674	KTIP200R5SS25M	H31
3017675	KTIP170R5SCF20M	H32
3017676	KTIP180R5SCF25M	H32
3017677	KTIP190R5SCF25M	H32
3017678	KTIP200R5SCF25M	H32
3020201	B707A10600FBG KC7315	G115
3021212	MS1242CG	T80, V72, V78, V82, V139
3022625	A4M50L0214M	C124
3023165	EDPT180548PDERHD KC725M	T75
3023166	EDPT180548PDERHD KCPK30	T75
3023574	KSEM2210HPGM KC7315	H43
3024727	B707A10200FBG KC7315	G115
3024745	B966A13100 KC7315	G134
3026450	12MHC030M	G85
3026451	12MHC040M	G85
3026452	12MHC050M	G85
3026643	12MHC060M	G85
3026644	12MHC070M	G85
3026645	12MHC080M	G85
3026646	12MHC090M	G85
3026647	12MHC100M	G85
3026648	20MHC030M	G85
3026649	20MHC040M	G85
3026650	20MHC050M	G85
3026651	20MHC060M	G85
3026652	20MHC070M	G85
3026653	20MHC080M	G85
3026654	20MHC090M	G85
3026655	20MHC100M	G85
3026656	20MHC110M	G85
3026657	20MHC120M	G85
3026658	20MHC130M	G85
3026659	20MHC140M	G85
3026660	20MHC150M	G85
3026661	20MHC160M	G85
3026662	25MHC030M	G85
3026663	25MHC040M	G85
3026664	25MHC050M	G85
3026665	25MHC060M	G85
3026666	25MHC070M	G85
3026667	25MHC080M	G85
3026668	25MHC090M	G85
3026669	25MHC100M	G85
3026670	25MHC120M	G85
3026671	25MHC140M	G85
3026672	25MHC160M	G85
3026675	32MHC060M	G85
3026676	32MHC070M	G85
3026677	32MHC080M	G85
3026678	32MHC090M	G85
3026679	32MHC100M	G85
3026680	32MHC110M	G85
3026681	32MHC120M	G85
3026682	32MHC130M	G85
3026683	32MHC140M	G85
3026684	32MHC150M	G85
3026685	32MHC160M	G85
3027980	KSEM1760HPGM KC7315	H42
3029371	PKG1402	K126
3029372	PKG1602	K126
3029373	PKG1802	K126
3029375	PKG0011	K126
3030845	TM25D17L26Z2	W10
3030846	TM25D17L36Z2	W10
3030847	TMT25D17L26Z2	W11
3030848	TM25D20L37Z3	W10
3030849	TM25D20L44Z3	W10
3030850	TM25D22L43Z3	W10
3030851	TMT25D22L43Z3	W11
3030852	TM25D22L55Z3	W10
3031703	TM25D30L55Z5	W10
3031704	TMT25D28L43Z4	W11
3031705	TMC25D30L80Z4	W10
3031717	TM25INSERTSCREW	W4–5, W10–13, W17–19, W24–25
3031718	TM25N100ISO KC610M	W14
3031719	TM25N150ISO KC610M	W14
3031720	TM25N200ISO KC610M	W14
3031721	TM25N250ISO KC610M	W14
3031722	TM25N300ISO KC610M	W14
3031733	TM25N20UN KC610M	W14
3031734	TM25N18UN KC610M	W14
3031735	TM25N16UN KC610M	W14
3031736	TM25N14UN KC610M	W14
3031737	TM25N12UN KC610M	W14
3031738	TM25N10UN KC610M	W14
3031739	TM25N9UN KC610M	W14
3031740	TM25N8UN KC610M	W14
3031742	TM25EN14W KC610M	W15
3031743	TM25EN12W KC610M	W15
3031744	TM25EN11W KC610M	W15
3031745	TM25EN14NPT KC610M	W15
3031746	TM25EN115NPT KC610M	W15
3031747	TM25EN14BSPT KC610M	W15
3031748	TM25EN11BSPT KC610M	W15
3031749	TM25N100ISO KC635M	W14
3031750	TM25N150ISO KC635M	W14
3031751	TM25N200ISO KC635M	W14
3031752	TM25N250ISO KC635M	W14
3031753	TM25N300ISO KC635M	W14
3031754	TM25N20UN KC635M	W14
3031756	TM25N16UN KC635M	W14
3031757	TM25N14UN KC635M	W14
3031758	TM25N12UN KC635M	W14
3031759	TM25N10UN KC635M	W14
3031760	TM25N9UN KC635M	W14
3031761	TM25N8UN KC635M	W14
3031763	TM25EN14W KC635M	W15
3031765	TM25EN11W KC635M	W15
3031766	TM25EN14NPT KC635M	W15
3031767	TM25EN115NPT KC635M	W15
3031770	TM25BLANK	W15
3031908	T320NC03750-16R3BX KC7542	M4
3031910	T320NC04375-14R3BX KC7542	M4
3031911	T320NC05000-13R3BX KC7542	M4
3031914	T320M060X100R6HX KC7542	M4
3031915	T320M080X125R6HX KC7542	M4
3031916	T320M100X150R6HX KC7542	M4
3031917	T320M120X175R6HX KC7542	M4
3031919	T320M160X200R6HX KC7542	M4
3032732	EDPT140412PDERHD KC520M	T53, T62
3033394	RCGT2006M0ELF KC725M	V83
3033723	EDPT140412PDERHD KC522M	T53, T62
3033724	EDPT140412PDERHD KC725M	T53, T62
3033725	EDPT140412PDERHD KCK15	T53, T62
3033726	EDPT140412PDERHD KCPK30	T53, T62
3033727	EDPT140408PDERHD KC520M	T53, T62
3033728	EDPT140408PDERHD KC522M	T53, T62
3033729	EDPT140408PDERHD KC725M	T53, T62
3033730	EDPT140408PDERHD KCK15	T53, T62
3033731	EDPT140408PDERHD KCPK30	T53, T62
3033751	EDPT140416PDERHD KC522M	T53, T62
3033752	EDPT140416PDERHD KC725M	T53, T62
3033953	EDPT140416PDERHD KCK15	T53, T62
3033954	EDPT140416PDERHD KCPK30	T53, T62
3033966	B707A06800FBG KC7315	G114
3039409	KSEM3400PCM KC7135	H56, H87
3039410	KSEM3600PCM KC7135	H56, H87
3040265	B978F13000 KC7315	G149
3041312	B707A06100FBG KC7315	G114
3043177	B977F03200 KC7315	G143
3043944	KSEM3500PCM KC7135	H56, H87
3047641	T320MF140X150R6HX KC7542	M4
3048803	KSEM3300PCM KC7135	H56, H87
3050716	DFR020204MD KC7140	J84
3051244	EDPT140420PDERHD KC522M	T53, T62
3051245	EDPT140420PDERHD KC725M	T53, T62
3051246	EDPT140420PDERHD KCPK30	T53, T62
3051247	EDPT140431PDERHD KC522M	T53, T62
3051248	EDPT140431PDERHD KC725M	T53, T62
3051249	EDPT140431PDERHD KCPK30	T53, T62
3051250	EDPT140440PDERHD KC522M	T53, T62
3051251	EDPT140440PDERHD KC725M	T53, T62
3051252	EDPT140440PDERHD KCPK30	T53, T62
3051549	EDPT140424PDERHD KC522M	T53, T62
3051550	EDPT140424PDERHD KC725M	T53, T62
3051551	EDPT140424PDERHD KCPK30	T53, T62
3051552	EDPT140404PDERHD KC522M	T53, T62
3051623	A4M50L2B14M	C124
3051624	A4M50R0214M	C124
3051629	A4M50L0212A060084	C126
3051631	A4M50L0212A120254	C126
3051632	A4M50L0212A250999	C126
3051663	A4M50L0212B036046	C128
3051664	A4M50L0212B042054	C128
3051665	A4M50L0212B050064	C128
3051666	A4M50L0212B060084	C128
3051667	A4M50L0212B080124	C128
3051668	A4M50L0212B120254	C128
3051670	A4M50R0212A036046	C125
3051671	A4M50R0212A042054	C125
3051672	A4M50R0212A050064	C125
3051673	A4M50R0212A060084	C125
3051674	A4M50R0212A080124	C125
3051675	A4M50R0212A120254	C125
3051676	A4M50R0212A250999	C125
3051677	A4M50R0212B036046	C127
3051678	A4M50R0212B042054	C127
3051679	A4M50R0212B050064	C127
3051680	A4M50R0212B060084	C127
3051681	A4M50R0212B080124	C127
3051682	A4M50R0212B120254	C127
3051683	A4M50R0212B250999	C127
3051863	EDPT140404PDERHD KC725M	T53, T62
3051864	EDPT140404PDERHD KCK15	T53, T62
3051865	EDPT140404PDERHD KCPK30	T53, T62
3051866	EDPT140404PDERHD KC520M	T53, T62
3053564	SDET120412PDENGDZ KCPK30	V141
3053565	SDET120412PDSNGDZ KCPK30	V141
3055223	B707A13500FBG KC7315	G115
3055230	50A04RS90SD12PL	V139
3057117	B978A03700 KC7315	G146
3057121	B978A07400 KC7315	G147
3057122	B978A09300 KC7315	G147
3058199	KSEM2560HPGM KC7315	H43
3058984	B707A04400FBG KC7315	G114
3061071	B978F14000 KC7315	G149
3063843	50A05RS90SD12PL	V139
3064110	40M3R050M16SSD12PL	V137
3064549	KSEM2470HPGM KC7315	H43
3066053	A4G0605M06U04B KCK20	C98
3066133	SDET120412PDENGDZ KC725M	V141
3066281	SDET120412PDSNGDZ KC725M	V141
3066375	SDET120412PDSNGDZ KC522M	V141
3077140	SF150FBHO1660	K125
3077141	SF100FBHO1660	K125
3093561	HNGJ0905ANENLD KC522M	S18, S22
3093719	HNGJ0905ANSNGD KCPK30	S18, S23
3094010	843.006.000	K120–122, K136
3094035	880.252.200	K133, K135
3095646	63A04RS90RC20C	V82
3095647	80A05RS90RC20C	V82
3095649	100B06RS90RC20C	V82
3095650	125B06RS90RC20C	V82
3095651	160C07RS90RC20C	V82
3095652	160C08RS90RC20C	V82
3095653	200C09RS90RC20C	V82
3097294	KSEM1660HPGM KC7315	H42
3097295	KSEM1860HPGM KC7315	H42
3098071	B707A04200FBG KC7315	G114
3101753	KIPR032RP12MF03	V153
3101754	KIPR032RP12CF03	V154
3101755	KIPR040RP12CF04	V154
3102669	B977A08020 KC7315	G140
3106096	SDPT120412PDENHPZ KCPK30	V141
3106097	SDPT120412PDSNHPZ KCPK30	V141
3106098	SDPT120412PDENHPZ KC725M	V141
3106099	SDPT120412PDSNHPZ KC725M	V141
3110522	B976A03200 KC7315	G138
3110544	B976A03600 KC7315	G138
3110545	B976A07200 KC7315	G140
3111542	32M2R050M16SSD12PL	V137
3114313	KTIP170R8SS18M	H31
3114314	KTIP180R8SS20M	H31
3114315	KTIP190R8SS20M	H31
3114316	KTIP200R8SS25M	H31
3114317	KTIP170R8SCF20M	H32
3114318	KTIP180R8SCF25M	H32
3114319	KTIP190R8SCF25M	H32
3114320	KTIP200R8SCF25M	H32
3114636	RIQ09E1312 KC6305	K55
3115582	KSOM63R050F07	S53
3115873	KSOM63R040F07	S53
3115874	KSOM80R060F07	S53
3115875	KSOM80R040F07	S53
3115876	KSOM100R080F07	S53
3115877	KSOM100R050F07	S53
3115878	KSOM125R100F07	S53
3115879	KSOM125R060F07	S53
3115880	KSOM160R120F07	S53
3115881	KSOM160R070F07	S53
3115882	KSOM32R03B250F06	S47
3115893	KSOM32R03B200F06	S47
3115894	KSOM32R02B200F06	S47
3115897	KSOM40R04B320F06	S47
3115898	KSOM40R04B250F06	S47
3115899	KSOM40R03B250F06	S47
3115903	KSOM50R040F06	S48
3115905	KSOM63R050F06	S48
3115907	KSOM80R060F06	S48
3115908	KSOM100R100F06	S48
3115909	KSOM100R070F06	S48
3115910	KSOM125R120F06	S48
3115911	KSOM125R080F06	S48
3115912	KSOM160R160F06	S48
3115913	KSOM160R100F06	S48
3117503	B967A09500 KC7315	G133
3119977	B976A10300 KC7315	G140
3120265	63A05RS90SD12PL	V139
3120266	63A06RS90SD12PL	V139
3120267	80A05RS90SD12PL	V139
3120268	80A06RS90SD12PL	V139
3120269	80A07RS90SD12PL	V139
3120270	100B07RS90SD12PL	V139
3120318	KSEM2170HPGM KC7315	H43
3120574	125B09RS90SD12PL	V139
3120577	160C10RS90SD12PL	V139
3120845	100B10RF84SN12B	S102
3121225	193.492	S4–5, S8–10, S14, S17, S20–21, S60, S62, V53–56, V64
3121287	B976A06700 KC7315	G139
3123992	RCGT2006M0SHF KC725M	V83
3124023	RCGT2006M0SHF KCPK30	V83
3124549	193.491	J23, J25, J27, J29, J31, J33, J35, J37

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3124699	EDPT180564PDSRGD KC725M	T75
3127186	NAS3L4 KC5025	D13
3127866	B978F07400 KC7315	G149
3133459	MS1294CG	V64, V72
3135660	B256A12500 KC7315	G63
3136510	EDPT180540PDERHD KC725M	T75
3138954	SNXF120412AMSN KY3500	S105
3138955	SNXF1204ZNAMSN KY3500	S105
3139149	843.009.000	K120–122, K136
3176219	KM25LSSR2230	D83
3176220	KM25LSSL2230	D83
3176596	TRM50R0640M	E65
3176598	TRM50L0640M	E65
3176599	TRM50L0432M	E65
3176600	TRM50R0432M	E65
3176601	TRM50R0920M	E65
3176602	TRM50L0920M	E65
3176604	TRM50R0940M	E65
3176605	TRM50R0620M	E65
3176606	TRM50L0620M	E65
3176688	MS2173	B199, B202, B204–205
3176689	MS2175	B199–205, B229, B260–262
3180571	B977A14100 KC7315	G141
3273589	EDCT140402PDFRLDJ KC410M	T51, T60
3273590	EDCT140440PDFRLDJ KC410M	T51, T60
3287987	CSWM 035 040	B199, B202, B204–205
3287988	CSWM 040 050	B199–205, B229, B260–262
3287989	CSWM 060 050	B70–73, B92, B115–121, B139–142, B183, B199, B202, B220–221, B229, B235–237, B240–242, B260–263, B375–378, C171, D41–42
3287990	CSWM 080 050	B70–73, B92–93, B115–117, B119, B139–141, B183, B235, B378
3287991	CSWM 100 080	B72, B115, B119, C171, D41–42
3292774	EDCT180508PDERLDJ KC422M	T73
3292775	EDCT180524PDERLDJ KC422M	T73
3300212	B707A05800FBG KC7315	G114
3322050	B707A10500FBG KC7315	G115
3322370	CFM0402R45RHP KCU40	H34
3324493	KTIP170R3BF17M	I11
3324494	KTIP170R3BF18M	I11
3324495	KTIP180R3BF18M	I11
3324496	KTIP170R4BF18M	I12
3324497	KTIP180R4BF18M	I12
3324498	KTIP170R5BF18M	I13
3324499	KTIP180R5BF18M	I13
3324721	A4G0305M03U02B KCK20	C98
3324722	A4G0405M04U04B KCK20	C98
3324723	A4G0505M05U04B KCK20	C98
3324724	A4G0805M08U08B KCK20	C98
3324725	A4G1005M10U08B KCK20	C98
3324726	EDCT140424PDERLDJ KC422M	T52, T61
3324829	KSHR40D03R50B25SHN09	S20
3324830	KSHR40D04R50B25SHN09	S20
3324831	KSHR50A04RS45HN09	S21
3324832	KSHR50A05RS45HN09	S21
3324993	EDCT140404PDERLDJ KC422M	T52, T61
3324994	EDCT140408PDERLDJ KC422M	T52, T61
3325163	KSHR63A06RS45HN09	S21
3325164	KSHR63A07RS45HN09	S21
3325165	KSHR80A06RS45HN09	S21
3325166	KSHR80A09RS45HN09	S21
3325167	KSHR100B08RS45HN09	S21
3325168	KSHR100B11RS45HN09	S21
3325169	KSHR125B10RS45HN09	S21
3325170	KSHR125B14RS45HN09	S21
3325171	KSHR160C12RS45HN09	S21
3325172	KSHR160C16RS45HN09	S21
3326218	RCGT2006M0SGF KC522M	V83
3330195	MCFNR20CA12	B70
3330196	MCLNL20CA12	B72
3330197	MCLNR20CA12	B72
3330199	MDJNR20CA15	B92
3330200	MDQNL20CA15	B93
3330201	MDQNR20CA15	B93
3330202	MSKNL20CA15	B115
3330203	MSRNL20CA15	B116
3330206	MSSNR20CA15	B117
3330207	MTFNL20CA22	B139
3330208	MTFNR20CA22	B139
3330209	MTGNL20CA22	B140
3330222	MCKNR16CA12	B71
3330273	MCLNL16CA12	B72
3330274	MDJNL16CA15	B92
3330275	MDJNR16CA15	B92
3330276	MDQNL16CA15	B93
3330277	MDQNR16CA15	B93
3330279	MSRNL16CA12	B116
3330281	MSSNR16CA12	B117
3330283	MSYNR16CA12	B119
3330285	MTGNR16CA16	B140
3330527	100G10NP90SP10N16K	U26
3330528	100G10RP90SP10	U25
3330530	125H12NP90SP10N16K	U26
3330531	125H11RP90SP10	U25
3330952	HNGJ0905ANENLD KCK15	S18, S22
3330973	160H12NP90SP10N16K	U26
3330974	160H11RP90SP10	U25
3330975	160H11LP90SP10	U25
3330976	200J14NP90SP10N16K	U26
3330977	200J13RP90SP10	U25
3330978	200J13LP90SP10	U25
3330983	160H14NP90SD12N20K	U39
3330984	160H12RP90SD12	U38
3330985	160H12LP90SD12	U38
3330986	200J18NP90SD12N20K	U39
3330987	200J14RP90SD12	U38
3330988	200J14LP90SD12	U38
3330989	250J22NP90SD12N20K	U39
3330990	250J16RP90SD12	U38
3330991	250J16LP90SD12	U38
3331106	L20SSCLPR09	B198
3331107	L10MSCLPR06	B198
3331108	L16RSCLPR09	B198
3331109	L20SSCLPL09	B198
3331110	L12QSCLPR06	B198
3331112	L12QSCLPL06	B198
3331114	L16RSCLPL09	B198
3331115	L08KSCLPR06	B198
3331116	L12QSDUPR07	B219
3331117	L20SSDUPR11	B219
3331121	L12QSDUPL07	B219
3331123	L12QSTFPR11	B259
3331128	L08KSTFPR09	B259
3331131	L08KSTFPL09	B259
3331132	CSRPR10CA09	B376
3331143	CSSPL10CA09	B377
3331145	MCFNL10CA09	B70
3331146	MCFNR10CA09	B70
3331149	MSTNR10CA09	B118
3331150	MSYNL10CA09	B119
3331173	HNGJ0905ANSNGD KCK15	S18, S23
3331174	HNGJ0905ANENLD KC520M	S18, S22
3331175	HNGJ0905ANENLD KC725M	S18, S22
3331176	HNGJ0905ANSNGD KC725M	S18, S23
3331178	HNGJ0905ANENLD KCPK30	S18, S22
3331277	63A06RF84SN12B	S102
3331279	80A08RF84SN12B	S102
3332362	MCLNL25CA19	B72
3332803	MCLNR25CA12	B72
3332804	MCLNR25CA16	B72
3332805	MCLNR25CA19	B72
3343592	KSEM2310HPGM KC7315	H43
3345674	20A02R039A20SED14	T49
3345675	25A02R044A25SED14	T49
3345676	25A03R044A25SED14	T49
3345677	32A03R050A25SED14	T49
3345678	32A04R050A25SED14	T49
3345679	25A03R035M12SED14	T47
3345680	32A04R040M16SED14	T47
3345681	40A05R040M16SED14	T47
3346236	MCFNR12CA12	B70
3346237	MCKNL12CA12	B71
3346238	MCKNR12CA12	B71
3346240	MDJNL12CA11	B92
3346241	MDJNR12CA11	B92
3346242	MSKNL12CA12	B115
3346273	MSYNL12CA12	B119
3346274	MSYNR12CA12	B119
3346275	MTGNL12CA16	B140
3348765	32A03R050A32SED14	T49
3348766	32A04R050A32SED14	T49
3348767	40A04R050A32SED14	T49
3348768	40A05R050A32SED14	T49
3349309	HNEN0905ANSN KD200	S92, S98
3349685	25A02R044A25SED18	T71
3349686	32A03R050A32SED18	T71
3349688	40A04R050A32SED18	T71
3349689	32A03R050A25SED18	T71
3349690	25A02R035M12SED18	T69
3349691	32A02R040M16SED18	T69
3349692	32A03R040M16SED18	T69
3349773	40A03R040M16SED18	T69
3349774	40A04R040M16SED18	T69
3351707	KHDA0600A6ANA KC639M	P136
3351708	KHDA0800A6ANA KC639M	P136
3351709	KHDA1000A6ANA KC639M	P136
3351710	KHDA1200A6ANA KC639M	P136
3351711	KHDA1600A6ANA KC639M	P136
3351712	KHDA2000A6ANA KC639M	P136
3352074	881.252.720	K133
3352369	KMDA0600A6ANA KC639M	P137
3352370	KMDA0800A6ANA KC639M	P137
3352371	KMDA1000A6ANA KC639M	P137
3352372	KMDA1200A6ANA KC639M	P137
3352493	KMDA1600A6ANA KC639M	P137
3352494	KMDA2000A6ANA KC639M	P137
3353405	KSEM2973HPGM KC7315	H43
3362163	881.252.550	K133–134
3364974	B978F05000 KC7315	G149
3367371	B531A03200SPF KDF400	G105
3367372	B531A05100SPF KDF400	G105
3367373	B531A06500SPF KDF400	G105
3367382	B532A03200SPF KDF400	G105
3367383	B532A05100SPF KDF400	G105
3367384	B532A06500SPF KDF400	G105
3367385	B531A06000SPF KDF400	G105
3367386	B532A06000SPF KDF400	G105
3379064	EDPT180564PDERHD KC725M	T75
3379065	EDPT180564PDERHD KCPK30	T75
3380488	KSEM1250HPLM KC7320	H50
3380490	KSEM1270HPLM KC7320	H50
3380491	KSEM1280HPLM KC7320	H50
3380492	KSEM1293HPLM KC7320	H50
3381103	KSEM1300HPLM KC7320	H50
3381104	KSEM1350HPLM KC7320	H50
3381105	KSEM1360HPLM KC7320	H50
3381106	KSEM1380HPLM KC7320	H50
3381107	KSEM1389HPLM KC7320	H50
3381108	KSEM1400HPLM KC7320	H50
3381109	KSEM1410HPLM KC7320	H50
3381110	KSEM1415HPLM KC7320	H50
3381111	KSEM1420HPLM KC7320	H50
3381112	KSEM1429HPLM KC7320	H50
3381113	KSEM1450HPLM KC7320	H50
3381114	KSEM1460HPLM KC7320	H50
3381115	KSEM1468HPLM KC7320	H50
3381116	KSEM1480HPLM KC7320	H50
3381117	KSEM1500HPLM KC7320	H50
3381118	KSEM1508HPLM KC7320	H50
3381119	KSEM1548HPLM KC7320	H50
3381120	KSEM1550HPLM KC7320	H50
3381121	KSEM1560HPLM KC7320	H50
3381122	KSEM1588HPLM KC7320	H50
3381123	KSEM1600HPLM KC7320	H50
3381124	KSEM1609HPLM KC7320	H50
3381125	KSEM1610HPLM KC7320	H50
3381126	KSEM1615HPLM KC7320	H50
3381127	KSEM1620HPLM KC7320	H50
3381128	KSEM1627HPLM KC7320	H50
3381129	KSEM1650HPLM KC7320	H50
3381130	KSEM1667HPLM KC7320	H50
3381131	KSEM1700HPLM KC7320	H50
3381132	KSEM1707HPLM KC7320	H50
3381133	KSEM1746HPLM KC7320	H50
3381134	KSEM1750HPLM KC7320	H50
3381135	KSEM1775HPLM KC7320	H50
3381136	KSEM1780HPLM KC7320	H50
3381137	KSEM1786HPLM KC7320	H50
3381138	KSEM1790HPLM KC7320	H50
3381139	KSEM1800HPLM KC7320	H50
3381140	KSEM1826HPLM KC7320	H50
3381142	KSEM1850HPLM KC7320	H50
3381143	KSEM1860HPLM KC7320	H50
3381144	KSEM1865HPLM KC7320	H50
3381145	KSEM1890HPLM KC7320	H50
3381146	KSEM1900HPLM KC7320	H50
3381147	KSEM1905HPLM KC7320	H50
3381148	KSEM1920HPLM KC7320	H50
3381149	KSEM1923HPLM KC7320	H50
3381150	KSEM1925HPLM KC7320	H50
3381151	KSEM1927HPLM KC7320	H50
3381152	KSEM1935HPLM KC7320	H50
3381153	KSEM1936HPLM KC7320	H50
3381154	KSEM1945HPLM KC7320	H50
3381155	KSEM1950HPLM KC7320	H50
3381156	KSEM1984HPLM KC7320	H50
3381157	KSEM2000HPLM KC7320	H50
3381158	KSEM2010HPLM KC7320	H50
3381159	KSEM2024HPLM KC7320	H50
3381160	KSEM2035HPLM KC7320	H50
3381161	KSEM2050HPLM KC7320	H50
3381162	KSEM2064HPLM KC7320	H50
3381163	KSEM2100HPLM KC7320	H50
3381164	KSEM2115HPLM KC7320	H50
3381165	KSEM2133HPLM KC7320	H50
3381166	KSEM2810HPLM KC7320	H51
3381167	KSEM2143HPLM KC7320	H50
3381168	KSEM2850HPLM KC7320	H51
3381169	KSEM2150HPLM KC7320	H50
3381170	KSEM2858HPLM KC7320	H51
3381171	KSEM2183HPLM KC7320	H50
3381172	KSEM2900HPLM KC7320	H51
3381173	KSEM2200HPLM KC7320	H50
3381174	KSEM2937HPLM KC7320	H51
3381175	KSEM2223HPLM KC7320	H50
3381176	KSEM2950HPLM KC7320	H51
3381177	KSEM2244HPLM KC7320	H50
3381178	KSEM2977HPLM KC7320	H51
3381179	KSEM2250HPLM KC7320	H50
3381180	KSEM3000HPLM KC7320	H51
3381181	KSEM2277HPLM KC7320	H50
3381182	KSEM3016HPLM KC7320	H51
3381183	KSEM2300HPLM KC7320	H50
3381184	KSEM3050HPLM KC7320	H51
3381185	KSEM2342HPLM KC7320	H50
3381186	KSEM3100HPLM KC7320	H51
3381187	KSEM2350HPLM KC7320	H50
3381188	KSEM3150HPLM KC7320	H51
3381189	KSEM2381HPLM KC7320	H50
3381190	KSEM3175HPLM KC7320	H51
3381191	KSEM2400HPLM KC7320	H50
3381192	KSEM3200HPLM KC7320	H51
3381193	KSEM2450HPLM KC7320	H50
3381194	KSEM3300HPLM KC7320	H51
3381195	KSEM2461HPLM KC7320	H50
3381196	KSEM3493HPLM KC7320	H51
3381197	KSEM3571HPLM KC7320	H51
3381198	KSEM3810HPLM KC7320	H51
3381199	KSEM3846HPLM KC7320	H51
3381615	KSEM3400HPLM KC7320	H51
3381616	KSEM2500HPLM KC7320	H50
3381617	KSEM3500HPLM KC7320	H51
3381618	KSEM2507HPLM KC7320	H50
3381619	KSEM3600HPLM KC7320	H51
3381620	KSEM2540HPLM KC7320	H50
3381621	KSEM3700HPLM KC7320	H51
3381622	KSEM2550HPLM KC7320	H50
3381623	KSEM3750HPLM KC7320	H51
3381624	KSEM2560HPLM KC7320	H50
3381625	KSEM3800HPLM KC7320	H51
3381626	KSEM2565HPLM KC7320	H51

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3381627	KSEM3900HPLM KC7320	H51
3381628	KSEM2567HPLM KC7320	H51
3381630	KSEM2600HPLM KC7320	H51
3381631	KSEM4000HPLM KC7320	H51
3381632	KSEM2581HPLM KC7320	H51
3381633	KSEM2619HPLM KC7320	H51
3381634	KSEM1311HPLM KC7320	H50
3381635	KSEM2650HPLM KC7320	H51
3381636	KSEM2659HPLM KC7320	H51
3381637	KSEM2779HPLM KC7320	H51
3381638	KSEM2670HPLM KC7320	H51
3381639	KSEM2817HPLM KC7320	H51
3381640	KSEM2700HPLM KC7320	H51
3381641	KSEM3254HPLM KC7320	H51
3381642	KSEM2750HPLM KC7320	H51
3381643	KSEM3335HPLM KC7320	H51
3381644	KSEM2800HPLM KC7320	H51
3382970	B707A12100FBG KC7315	G115
3383028	CNGA120408S01020MT KB1345	B290
3383030	CNGA120408S02020MT KB1345	B290
3383031	DNGA150408S01020MT KB1345	B290
3383294	CCGW09T308EC KB1345	B290
3383296	TPGW110204EC KB1345	B291
3383298	DCGW11T304S01015MT KB1345	B291
3383314	DCGW11T308S01015MT KB1345	B291
3383760	B707A09800FBG KC7315	G115
3387725	RCGT2006M0SGF KC725M	V83
3387910	NR2M050L KC5010	C158
3387928	NR3M150L KC5010	C158
3387935	NR2M050R KC5010	C158
3387936	NR2M075R KC5010	C158
3387937	NR2M100R KC5010	C158
3388407	NR2M100L KC5025	C158
3388409	NR2M150L KC5025	C158
3388411	NR3M100L KC5025	C158
3388453	NR3M150L KC5025	C158
3388455	NR3M200L KC5025	C158
3388460	NR2M050R KC5025	C158
3388462	NR2M100R KC5025	C158
3388463	NR2M125R KC5025	C158
3388464	NR2M150R KC5025	C158
3388465	NR2M175R KC5025	C158
3388466	NR3M100R KC5025	C158
3388468	NR3M150R KC5025	C158
3388470	NR3M200R KC5025	C158
3397222	NGD2M200LK KC5010	C149
3397223	NGD2M250LK KC5010	C149
3397226	NGD3M300LK KC5010	C149
3397243	NGD2M150RK KC5010	C149
3397244	NGD2M200RK KC5010	C149
3397246	NGD3M200RK KC5010	C149
3397247	NGD3M250RK KC5010	C149
3397248	NGD3M300RK KC5010	C149
3397250	NGD3M400RK KC5010	C149
3397259	NGD2M150LK KC5025	C149
3397273	NGD2M200LK KC5025	C149
3397274	NGD2M250LK KC5025	C149
3397275	NGD3M200LK KC5025	C149
3397276	NGD3M250LK KC5025	C149
3397277	NGD3M300LK KC5025	C149
3397279	NGD3M350LK KC5025	C149
3397280	NGD3M400LK KC5025	C149
3397286	NGD2M150RK KC5025	C149
3397287	NGD2M200RK KC5025	C149
3397288	NGD2M250RK KC5025	C149
3397289	NGD3M200RK KC5025	C149
3397290	NGD3M250RK KC5025	C149
3397291	NGD3M300RK KC5025	C149
3397293	NGD3M400RK KC5025	C149
3397369	NG2M050LK KC5010	C147
3397370	NG2M050RK KC5010	C146
3397613	NF3M200LK KC5025	C159
3397614	NF3M300LK KC5025	C159
3397615	NFD3M300LK KC5025	C160
3397616	NF3M200RK KC5025	C159
3397617	NF3M300RK KC5025	C159
3397618	NFD3M300RK KC5025	C160
3398457	B978F09500 KC7315	G149
3398461	B978F04700 KC7315	G149
3398487	B978F07000 KC7315	G149
3398489	B978F07500 KC7315	G149
3399619	KSEM3700PCM KC7135	H56, H87
3400552	MS2197	V137–139
3400611	MS2191C00	T58–59, V72, V137–138, V140
3400612	MS2191C06	T58–59, V137–138, V140
3400613	MS2191C08	T58–59, V137–138, V140
3400616	MS2191C12	T58–59, V137–140
3400617	MS2191C14	T58–59, V137–138, V140
3400618	MS2191C16	T58–59, V137–138, V140
3400619	MS2191C18	T58–59, V137–138, V140
3400620	MS2191C20	T57–59, V137–140
3400879	12748500500	S95
3402143	32M2R040A25SSD12PL	V138
3402144	40M3R040A32SSD12PL	V138
3403362	CNMG120404UP KC5010	B54
3403423	CNMG120408UP KC5010	B54
3403424	CNMG120412UP KC5010	B54
3403430	DNMG150408UP KC5010	B82
3403433	DNMG150608UP KC5010	B82
3403435	SNMG120408UP KC5010	B102
3403444	VNMG160404UP KC5010	B147
3403445	VNMG160408UP KC5010	B147
3403448	WNMG080408UP KC5010	B160
3403449	WNMG080412UP KC5010	B160
3450355	MS1234CG	S21, V64
3450356	MS2189C	S10, S14, S17, S21, S25, S48, S53, S60, S62, T17, V139
3480435	B977A03250 KC7315	G138
3482532	CCMT09T308FP KCU10	B176
3482959	T331NC2500-20R3BX KC7542	M22
3482960	T331NF2500-28R3BX KC7542	M22
3482961	T331NC3125-18R3BX KC7542	M22
3482962	T331NC3750-16R3BX KC7542	M22
3483053	T331NC4375-14R3BX KC7542	M22
3483054	T331NC5000-13R3BX KC7542	M22
3483057	T331M060X100R6HX KC7542	M23
3483058	T331M080X125R6HX KC7542	M23
3483059	T331M100X150R6HX KC7542	M23
3483061	T331M120X175R6HX KC7542	M23
3483062	T331MF120X150R6HX KC7542	M23
3483073	T331M140X200R6HX KC7542	M23
3483074	T331MF140X150R6HX KC7542	M23
3483075	T331M160X200R6HX KC7542	M23
3491692	B978A13100 KC7315	G148
3492007	MCCM16001	S62, V60, V82, V139
3492010	MCC080001	V82
3496233	B977F05558 KC7315	G143
3503895	EDCT180564PDERLDJ KC422M	T73
3503901	MS2187C	S62, T17, V60, V78, V82, V139
3503902	MS2195C	V56, V60, V72, V78
3505052	B707A03175FBG KC7315	G114
3505133	B707A03970FBG KC7315	G114
3505134	B707A04763FBG KC7315	G114
3505135	B707A06350FBG KC7315	G114
3505136	B707A07145FBG KC7315	G114
3505137	B707A07938FBG KC7315	G114
3505138	B707A08334FBG KC7315	G114
3505139	B707A09129FBG KC7315	G115
3505140	B707A09525FBG KC7315	G115
3505141	B707A10320FBG KC7315	G115
3505142	B707A11111FBG KC7315	G115
3505143	B707A11509FBG KC7315	G115
3505144	B707A11908FBG KC7315	G115
3505145	B707A14288FBG KC7315	G115
3505146	B707A15875FBG KC7315	G115
3505147	B707A17463FBG KC7315	G115
3505148	B707A19050FBG KC7315	G115
3505149	B707A15500FBG KC7315	G115
3505150	B707A16500FBG KC7315	G115
3505151	B707A17500FBG KC7315	G115
3505152	B707A18500FBG KC7315	G115
3505952	B966A20000 KC7315	G134
3519355	B707A10800FBG KC7315	G115
3521303	KSEM2330HPGM KC7315	H43
3524411	UCDE0400A5ARA KC643M	P30
3524412	UCDE0500A5ASA KC643M	P30
3524433	UCDE0500A5ARA KC643M	P30
3524434	UCDE0600A5ASA KC643M	P30
3524435	UCDE0600A5ARA KC643M	P30
3524436	UCDE0700A5ASA KC643M	P30
3524437	UCDE0700A5ARA KC643M	P30
3524438	UCDE0800A5ASA KC643M	P30
3524439	UCDE0800A5ARA KC643M	P30
3524440	UCDE0900A5ASA KC643M	P30
3524441	UCDE0900A5ARA KC643M	P30
3524442	UCDE1000A5ASA KC643M	P30
3524443	UCDE1000A5ARA KC643M	P30
3524444	UCDE1200A5ASA KC643M	P30
3524445	UCDE1200A5ARA KC643M	P30
3524446	UCDE1400A5ASA KC643M	P30
3524447	UCDE1400A5ARA KC643M	P30
3524448	UCDE1600A5ASA KC643M	P30
3524449	UCDE1600A5ARA KC643M	P30
3524450	UCDE1800A5ASA KC643M	P30
3524451	UCDE1800A5ARA KC643M	P30
3524452	UCDE2000A5ASA KC643M	P30
3524453	UCDE2000A5ARA KC643M	P30
3524454	UCDE2500A5ASA KC643M	P30
3524455	UCDE2500A5ARA KC643M	P30
3524456	UCDE0400A5ASA KC643M	P30
3524462	UCDE0400B5ARA KC643M	P30
3524473	UCDE0500B5ARA KC643M	P30
3524474	UCDE0600B5ARA KC643M	P30
3524475	UCDE0700B5ARA KC643M	P30
3524476	UCDE0800B5ARA KC643M	P30
3524477	UCDE0900B5ARA KC643M	P30
3524478	UCDE1000B5ARA KC643M	P30
3524479	UCDE1200B5ARA KC643M	P30
3524480	UCDE1400B5ARA KC643M	P30
3524481	UCDE1600B5ARA KC643M	P30
3524482	UCDE1800B5ARA KC643M	P30
3524483	UCDE2000B5ARA KC643M	P30
3524484	UCDE2500B5ARA KC643M	P30
3524485	UDDE0600A5ASA KC643M	P31
3524486	UDDE0600A5ARA KC643M	P31
3524487	UDDE0600A5ARB KC643M	P31
3524488	UDDE0600A5ARC KC643M	P31
3524489	UDDE0800A5ASA KC643M	P31
3524490	UDDE0800A5ARA KC643M	P31
3524491	UDDE0800A5ARB KC643M	P31
3524492	UDDE0800A5ARC KC643M	P31
3524513	UDDE1000A5ASA KC643M	P31
3524514	UDDE1000A5ARA KC643M	P31
3524515	UDDE1000A5ARB KC643M	P31
3524516	UDDE1000A5ARC KC643M	P31
3524517	UDDE1000A5ARD KC643M	P31
3524518	UDDE1200A5ASA KC643M	P31
3524519	UDDE1200A5ARA KC643M	P31
3524520	UDDE1200A5ARB KC643M	P31
3524521	UDDE1200A5ARC KC643M	P31
3524522	UDDE1200A5ARD KC643M	P31
3524523	UDDE1600A5ASA KC643M	P32
3524524	UDDE1600A5ARA KC643M	P31
3524525	UDDE1600A5ARB KC643M	P31
3524526	UDDE1600A5ARC KC643M	P31
3524527	UDDE1600A5ARD KC643M	P32
3524528	UDDE1600A5ARE KC643M	P32
3524529	UDDE2000A5ASA KC643M	P32
3524530	UDDE2000A5ARA KC643M	P32
3524531	UDDE2000A5ARB KC643M	P32
3524532	UDDE2000A5ARC KC643M	P32
3524533	UDDE2000A5ARD KC643M	P32
3524534	UDDE2000A5ARE KC643M	P32
3524535	UDDE2500A5ASA KC643M	P32
3524536	UDDE2500A5ARA KC643M	P32
3524537	UDDE2500A5ARB KC643M	P32
3524538	UDDE2500A5ARC KC643M	P32
3524539	UDDE2500A5ARD KC643M	P32
3524540	UDDE2500A5ARE KC643M	P32
3524542	UDDE0600B5ARA KC643M	P31
3524543	UDDE0600B5ARB KC643M	P31
3524544	UDDE0600B5ARC KC643M	P31
3524545	UDDE0600B5ARD KC643M	P31
3524546	UDDE0800B5ARA KC643M	P31
3524547	UDDE0800B5ARB KC643M	P31
3524548	UDDE0800B5ARC KC643M	P31
3524549	UDDE0800B5ARD KC643M	P31
3524550	UDDE1000B5ARA KC643M	P31
3524551	UDDE1000B5ARB KC643M	P31
3524552	UDDE1000B5ARC KC643M	P31
3524553	UDDE1000B5ARD KC643M	P31
3524554	UDDE1200B5ARA KC643M	P31
3524555	UDDE1200B5ARB KC643M	P31
3524556	UDDE1200B5ARC KC643M	P31
3524557	UDDE1200B5ARD KC643M	P31
3524558	UDDE1600B5ARA KC643M	P31
3524559	UDDE1600B5ARB KC643M	P31
3524560	UDDE1600B5ARC KC643M	P31
3524561	UDDE1600B5ARD KC643M	P32
3524562	UDDE1600B5ARE KC643M	P32
3524563	UDDE2000B5ARA KC643M	P32
3524564	UDDE2000B5ARB KC643M	P32
3524565	UDDE2000B5ARC KC643M	P32
3524566	UDDE2000B5ARD KC643M	P32
3524567	UDDE2000B5ARE KC643M	P32
3524568	UDDE2500B5ARA KC643M	P32
3524569	UDDE2500B5ARB KC643M	P32
3524570	UDDE2500B5ARC KC643M	P32
3524571	UDDE2500B5ARD KC643M	P32
3524572	UDDE2500B5ARE KC643M	P32
3526417	KSEM1935HPGM KC7315	H42
3528124	B976A03180 KC7315	G138
3528125	B976A03500 KC7315	G138
3528126	B976A04620 KC7315	G139
3528127	B976A05250 KC7315	G139
3528128	B976A06530 KC7315	G139
3528129	B976A06750 KC7315	G139
3528131	B976A08430 KC7315	G140
3528132	B976A09750 KC7315	G140
3547022	XNGJ0905ANSNGD3W KCK15	S22
3547033	XNGJ0905ANSNGD3W KC725M	S22
3547035	XNGJ0905ANSNGD3W KCPK30	S22
3553429	KGMSR2525M65	C129
3553430	KGMSL2525M65	C129
3553431	KGMSR3232P65	C129
3553432	KGMSL3232P65	C129
3553453	KGMER2525M65	C130
3553454	KGMEL2525M65	C130
3553455	KGMER3232P65	C130
3553456	KGMEL3232P65	C130
3553503	B976A07600 KC7315	G140
3554366	CV40BKR32157	K86
3554367	CV40BKR50236	K86
3554368	CV50BKR32157	K86
3554369	CV50BKR50157	K86
3554370	CV50BKR63236	K86
3554371	CV50BKR80275	K86
3554372	BT40BKR32030M	K86
3554373	BT40BKR50050M	K86
3554374	BT50BKR32040M	K86
3554375	BT50BKR50040M	K86
3554376	BT50BKR63060M	K86
3554377	BT50BKR80060M	K86
3556330	HNGJ0905ANSNHD KCK15	S19, S23
3556331	HNGJ0905ANSNHD KC725M	S19, S23
3556332	HNGJ0905ANSNHD KCPK30	S19, S23
3556346	MB24RBHT06F	K120
3556347	MB30RBHT06F	K120
3556348	MB40RBHT09F	K120
3556349	MB50RBHT09F	K120
3556350	MB66RBHT12F	K120
3556352	MB66RBHT12LF	K120
3556373	HNGJ090543ANSNHD KCK15	S19, S23
3556374	HNGJ090543ANSNHD KC725M	S19, S23
3556375	HNGJ090543ANSNHD KCPK30	S19, S23
3556393	MB87RBHT12F	K120
3556394	MB87RBHT16LF	K120
3556395	MB115RBHT12F	K120
3556396	MB115RBHT16LF	K120
3556397	MB24RBHT06K	K121

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3556398	MB30RBHT06K	K121
3556399	MB40RBHT09K	K121
3556400	MB50RBHT09K	K121
3556401	MB66RBHT12K	K121
3556402	MB66RBHT12LK	K121
3556403	MB87RBHT12K	K121
3556404	MB87RBHT16LK	K121
3556405	MB115RBHT16LK	K121
3557114	A4M65R0620M	C124
3557115	A4M65L0620M	C124
3557116	A4M65R0626M	C124
3557117	A4M65L0626M	C124
3557119	A4M65L0820M	C124
3557120	A4M65R0826M	C124
3557121	A4M65L0826M	C124
3557123	A4M65L1020M	C124
3557124	A4M65R1026M	C124
3557125	A4M65L1026M	C124
3557131	A4M65R0624A070-112	C125
3557132	A4M65L0624A070-112	C126
3557163	A4M65R0624A100-212	C125
3557164	A4M65L0624A100-212	C126
3557165	A4M65R0624A200-999	C125
3557166	A4M65L0624A200-999	C126
3557167	A4M65R0824A090-200	C125
3557169	A4M65R0824A184-999	C125
3557173	A4M65R1024A200-999	C125
3557174	A4M65L1024A200-999	C126
3557175	A4M65R0624B070-112	C127
3557176	A4M65L0624B070-112	C128
3557177	A4M65R0624B100-212	C127
3557178	A4M65L0624B100-212	C128
3557179	A4M65R0624B200-999	C127
3557180	A4M65L0624B200-999	C128
3557181	A4M65R0824B090-200	C127
3557182	A4M65L0824B090-200	C128
3557193	A4M65R0824B184-999	C127
3557194	A4M65L0824B184-999	C128
3557195	A4M65R1024B100-220	C127
3557197	A4M65R1024B200-999	C127
3557198	A4M65L1024B200-999	C128
3557310	12147629800	K111–113
3559794	B967A14500 KC7315	G134
3560480	SDCT120464ENLD2 KC725M	T104, T111, U51
3560482	SDET120464SNGB2 KCPK30	T104, T111, U52
3563231	B707A12700FBG KC7315	G115
3575847	193.531	S25
3577119	KTMS21S25SD06H	U3
3577121	KTMS25S25SD06H	U3
3577133	KTMS32S32SD08H	U3
3577135	KTMS40S32SD12H	U3
3577137	KTMS50S32SD12H	U3
3579858	KSEM2070HPGM KC7315	H42
3583765	SDMT060304EGG KC735M	U4
3583766	SDMT060304EGG KC730M	U4
3583768	SDMT080308EGG KC505M	U4
3583769	SDMT080308EGG KC735M	U4
3583770	SDMT080308EGG KC730M	U4
3583784	SDMT120408EGG KC505M	U4
3583785	SDMT120408EGG KC735M	U4
3583786	SDMT120408EGG KC730M	U4
3585206	B531A03300SPF KDF400	G105
3585207	B531A03600SPF KDF400	G105
3585208	B531A04000SPF KDF400	G105
3585209	B531A04366SPF KDF400	G105
3585210	B531A04851SPF KDF400	G105
3585211	B531A04864SPF KDF400	G105
3585212	B531A05200SPF KDF400	G105
3585213	B531A06375SPF KDF400	G105
3585214	B531A06400SPF KDF400	G105
3585215	B531A07938SPF KDF400	G105
3585217	B531A09550SPF KDF400	G105
3585218	B531A09563SPF KDF400	G105
3585219	B531A11125SPF KDF400	G105
3585220	B531A12725SPF KDF400	G105
3585221	B532A03300SPF KDF400	G105
3585222	B532A03600SPF KDF400	G105
3585224	B532A04366SPF KDF400	G105
3585225	B532A04851SPF KDF400	G105
3585227	B532A05200SPF KDF400	G105
3585228	B532A06375SPF KDF400	G105
3585229	B532A06400SPF KDF400	G105
3585230	B532A07938SPF KDF400	G105
3585233	B532A09563SPF KDF400	G105
3585235	B532A12725SPF KDF400	G105
3586088	KSEM125SEFM	H64
3586089	KSEM130SEFM	H64
3586090	KSEM135SEFM	H64
3586091	KSEM140SEFM	H64
3586092	KSEM145SEFM	H64
3586183	KSEM150SEFM	H64
3586184	KSEM155SEFM	H64
3586185	KSEM160SEFM	H64
3586186	KSEM165SEFM	H64
3586187	KSEM170SEFM	H64
3586188	KSEM175SEFM	H64
3586189	KSEM180SEFM	H64
3586190	KSEM185SEFM	H64
3586191	KSEM190SEFM	H64
3586192	KSEM195SEFM	H64
3586193	KSEM200SEFM	H64
3586194	KSEM205SEFM	H64
3586195	KSEM210SEFM	H64
3586196	KSEM215SEFM	H64
3586197	KSEM220SEFM	H64
3586198	KSEM225SEFM	H64
3586199	KSEM230SEFM	H64
3586200	KSEM235SEFM	H64
3586201	KSEM240SEFM	H64
3586202	KSEM245SEFM	H64
3586203	KSEM250SEFM	H64
3586204	KSEM255SEFM	H64
3586205	KSEM260SEFM	H64
3586206	KSEM265SEFM	H64
3586207	KSEM270SEFM	H64
3586208	KSEM275SEFM	H64
3586209	KSEM280SEFM	H64
3586210	KSEM285SEFM	H64
3586211	KSEM290SEFM	H64
3586212	KSEM295SEFM	H64
3586213	KSEM300SEFM	H64
3586214	KSEM305SEFM	H64
3586215	KSEM310SEFM	H64
3586216	KSEM315SEFM	H64
3586217	KSEM320SEFM	H64
3586519	KM32RBHT24	K118
3586520	KM32RBHT30	K118
3586521	KM40RBHT40	K118
3586522	KM50RBHT50	K118
3586543	KM50RBHT66	K118
3586544	KM50RBHT87	K118
3586545	KM63UTRBHT87	K118
3586546	KM63UTRBHT115	K118
3586547	HSK63RBHT24	K118
3586548	HSK63RBHT30	K118
3586549	HSK63RBHT40	K118
3586550	HSK63RBHT50	K118
3586551	HSK63RBHT66	K118
3586563	HSK63RBHT87	K118
3586564	SF075RBHT24	K119
3586565	SF100RBHT30	K119
3586566	SF125RBHT40	K119
3586567	SF100RBHT50	K119
3586569	SF125RBHT66	K119
3586570	SF150RBHT87	K119
3586571	SF200RBHT115	K119
3586572	KM32FBHS24	K133
3586573	KM32FBHS31	K133
3586574	KM40FBHS40	K133
3586575	KM50FBHS51	K133
3586576	KM50FBHS67	K133
3586577	KM50FBHS87	K133
3586578	KM63UTFBHS87	K133
3586579	KM63UTFBHS116	K133
3586580	HSK63FBHS24	K133
3586581	HSK63FBHS31	K133
3586582	HSK63FBHS40	K133
3586583	HSK63FBHS51	K133
3586584	HSK63FBHS67	K133
3586585	HSK63FBHS87	K133
3587211	881.252.250	K133, K135
3587212	880.252.250	K133, K135
3587695	880.252.320	K133–134
3587698	881.252.420	K133–134
3587699	880.252.420	K133–134
3587703	881.252.940	K133
3587704	841.342.200	K118–120
3587705	848.200.005	K121
3587706	848.200.407	K120–122
3587707	848.250.005	K121
3587708	848.250.409	K120–122
3587709	848.320.005	K121
3587710	848.320.413	K120–122
3587711	841.342.420	K118–119
3587712	848.420.005	K121
3587713	848.420.614	K120–122
3587714	841.142.550	K118–119
3587715	848.550.620	K120–122
3587716	848.550.005	K121
3587717	843.012.000	K120–122
3587718	844.012.000	K120–122
3587719	845.012.000	K120–122
3587720	846.012.000	K120–122
3587721	847.012.000	K120–122
3587722	841.142.720	K118–119
3587723	848.720.000	K120–122
3587724	848.720.005	K121
3587725	844.016.000	K120–122
3587726	845.016.000	K120–122
3587727	846.016.000	K120–122
3587728	847.016.000	K120–122
3587729	841.142.940	K118–119
3587730	848.940.640	K120, K122
3587732	KSHR200C16RS45HN09	S21
3587753	KSHR250C20RS45HN09	S21
3587754	KSHR315C24RS45HN09	S21
3588387	KSEM1604HPGM KC7315	H42
3592190	B978A05600 KC7315	G146
3593089	B978A04500 KC7315	G146
3593675	MS2206	U3
3593676	MS2207	U3
3593681	MS2208	U3
3593911	MS2205	T29–33, T38–41
3594435	B977F04550 KC7315	G143
3594438	B977F03600 KC7315	G143
3595785	MCLNR3232P12	B62
3595786	MCLNL3232P12	B62
3595787	MCLNR3232P16	B62
3595788	MCLNL3232P16	B62
3597589	MS2219	V38–40
3598160	B256A10200 KC7315	G63
3598188	B967A06500 KC7315	G133
3609446	KSEM2325HPGM KC7315	H43
3612090	H40SCLCR12	B183
3612136	H40SDUCR11	B213
3612138	H50SDUCR11	B213
3612139	H50SDUCL11	B213
3612156	H32MCLNR12	B68
3612178	H50MCLNR12	B68
3612192	H50MDUNL19	B91
3612215	H40MVUNR16	B153
3612219	H50MVUNR16	B153
3612259	MWLNR3232P08	B162
3612260	MWLNL3232P08	B162
3612649	MVJNR3232P16	B151
3612650	MVJNL3232P16	B151
3613695	MS2072CG	S21, V72, V139
3613696	MS2038CG	S21, V64, V72, V78, V139
3615883	B976A09400 KC7315	G140
3616778	KSEM3220HPGM KC7315	H43
3617131	RIQ06E1306 KC6305	K55
3617415	KIPR025RP09CF03	V154
3617416	KIPR020RP06CF03	V154
3617418	KIPR016RP06CF02	V154
3636039	RPGN060200E KYSP30	V155
3636818	B978F03600 KC7315	G149
3637389	ABDE0600A3ARA K600	P112
3637390	ABDE0600A3ARB K600	P112
3637391	ABDE0600A3ARC K600	P112
3637392	ABDE0800A3ARA K600	P112
3637413	ABDE0800A3ARB K600	P112
3637414	ABDE0800A3ARC K600	P112
3637415	ABDE1000A3ARA K600	P112
3637416	ABDE1000A3ARB K600	P112
3637417	ABDE1000A3ARC K600	P112
3637418	ABDE1200A3ARA K600	P112
3637419	ABDE1200A3ARB K600	P112
3637420	ABDE1200A3ARC K600	P112
3637421	ABDE1600A3ARA K600	P112
3637422	ABDE1600A3ARB K600	P112
3637423	ABDE1600A3ARC K600	P112
3637424	ABDE1600A3ARD K600	P112
3637425	ABDE2000A3ARA K600	P113
3637426	ABDE2000A3ARB K600	P113
3637427	ABDE2000A3ARC K600	P113
3637428	ABDE2000A3ARD K600	P113
3637429	ABDE0300A3AS K600	P111
3637430	ABDE0400A3AS K600	P111
3637431	ABDE0500A3AS K600	P111
3637432	ABDE0600A3AS K600	P111
3637463	ABDE0800A3AS K600	P111
3637464	ABDE1000A3AS K600	P111
3637465	ABDE1200A3AS K600	P111
3637466	ABDE1400A3AS K600	P111
3637467	ABDE1600A3AS K600	P111
3637468	ABDE1800A3AS K600	P111
3637469	ABDE2000A3AS K600	P111
3637552	ABDF0150A2AS K600	P110
3637553	ABDF0200A2AS K600	P110
3637554	ABDF0250A2AS K600	P110
3637555	ABDF0300A2AS K600	P110
3637556	ABDF0400A2AS K600	P110
3637557	ABDF0500A2AS K600	P110
3637558	ABDF0600A2AS K600	P110
3637559	ABDF0800A2AS K600	P110
3637560	ABDF1000A2AS K600	P110
3637561	ABDF1200A2AS K600	P110
3637562	ABDF1400A2AS K600	P110
3637563	ABDF1600A2AS K600	P110
3637564	ABDF1800A2AS K600	P110
3637565	ABDF2000A2AS K600	P110
3637636	D40MTTB560KM40	B387
3637637	D50MTTB737KM40	B387
3637638	D60MTTB1000KM40	B387
3638550	MDJNR3232P15	B86
3638551	MDJNL3232P15	B86
3638615	B256A05000 KC7315	G63
3638616	B256A05500 KC7315	G63
3638617	B256A05800 KC7315	G63
3638618	B256A06000 KC7315	G63
3638619	B256A06500 KC7315	G63
3638620	B256A06800 KC7315	G63
3638621	B256A07800 KC7315	G63
3638622	B256A08500 KC7315	G63
3638623	B256A09000 KC7315	G63
3638624	B256A10000 KC7315	G63
3638625	B256A11800 KC7315	G63
3638626	B256A12000 KC7315	G63
3638627	B256A13000 KC7315	G63
3638628	B256A15000 KC7315	G63
3639212	NG3062LEST KD1425	C163
3639213	NG3062REST KD1425	C163
3639214	NG3094LEST KD1425	C163
3639215	NG3094REST KD1425	C163
3639217	NG3125REST KD1425	C163
3639219	NG3189REST KD1425	C163
3639221	NGP3088R KD1425	C152
3639223	NGP3125R KD1425	C152
3639344	NG3062LEST KB1630	C163
3639345	NG3062REST KB1630	C163
3639346	NG3094LEST KB1630	C163
3639347	NG3094REST KB1630	C163
3639348	NG3125LEST KB1630	C163
3639349	NG3125REST KB1630	C163
3639350	NG4189LEST KB1630	C155, C163
3639351	NG4189REST KB1630	C163
3639762	SCMT09T308MP KCP25	B231
3639874	SCMT09T308MP KCU10	B231
3639875	DCMT11T308MP KCK20	B208
3639877	DCMT11T308MP KCP25	B208
3639878	DCMT11T308MP KCU10	B208
3639881	TCMT16T308MP KCP25	B245

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3639883	TCMT16T308MP KCU10	B245
3640677	B291A03000YPL KC7315	G94
3640678	B291A04000YPL KC7315	G94
3640679	B291A04500YPL KC7315	G94
3640680	B291A05000YPL KC7315	G94
3640681	B291A05100YPL KC7315	G94
3640682	B291A05500YPL KC7315	G94
3640703	B291A06000YPL KC7315	G94
3640704	B291A06350YPL KC7315	G95
3640705	B291A06500YPL KC7315	G95
3640706	B291A06800YPL KC7315	G95
3640707	B291A07000YPL KC7315	G95
3640708	B291A07500YPL KC7315	G95
3640709	B291A08000YPL KC7315	G95
3640710	B291A08334YPL KC7315	G95
3640711	B291A08500YPL KC7315	G95
3640712	B291A09000YPL KC7315	G95
3640713	B291A09500YPL KC7315	G95
3640714	B291A09525YPL KC7315	G95
3640715	B291A10000YPL KC7315	G95
3640716	B291A10320YPL KC7315	G95
3640717	B291A10500YPL KC7315	G95
3640718	B291A11000YPL KC7315	G95
3640719	B291A11500YPL KC7315	G95
3640720	B291A12000YPL KC7315	G96
3640721	B291A12500YPL KC7315	G96
3640722	B291A12700YPL KC7315	G96
3640723	B291A13000YPL KC7315	G96
3640724	B291A14000YPL KC7315	G96
3640725	B291A14500YPL KC7315	G96
3640726	B291A15000YPL KC7315	G96
3640727	B291A16000YPL KC7315	G96
3640728	B291A17000YPL KC7315	G96
3640729	B291A18000YPL KC7315	G96
3640730	B292A03000YPL KC7315	G94
3640731	B292A03175YPL KC7315	G94
3640732	B292A03500YPL KC7315	G94
3640743	B292A04000YPL KC7315	G94
3640744	B292A04200YPL KC7315	G94
3640745	B292A04300YPL KC7315	G94
3640746	B292A04500YPL KC7315	G94
3640747	B292A04800YPL KC7315	G94
3640748	B292A05000YPL KC7315	G94
3640749	B292A05100YPL KC7315	G94
3640750	B292A05200YPL KC7315	G94
3640751	B292A05410YPL KC7315	G94
3640752	B292A05500YPL KC7315	G94
3640753	B292A05558YPL KC7315	G94
3640754	B292A05600YPL KC7315	G94
3640755	B292A05800YPL KC7315	G94
3640756	B292A06000YPL KC7315	G94
3640757	B292A06350YPL KC7315	G95
3640758	B292A06500YPL KC7315	G95
3640759	B292A06528YPL KC7315	G95
3640760	B292A06746YPL KC7315	G95
3640761	B292A06800YPL KC7315	G95
3640762	B292A06900YPL KC7315	G95
3640763	B292A07000YPL KC7315	G95
3640764	B292A07100YPL KC7315	G95
3640765	B292A07145YPL KC7315	G95
3640766	B292A07500YPL KC7315	G95
3640767	B292A07938YPL KC7315	G95
3640768	B292A08000YPL KC7315	G95
3640769	B292A08334YPL KC7315	G95
3640770	B292A08433YPL KC7315	G95
3640771	B292A08500YPL KC7315	G95
3640772	B292A08733YPL KC7315	G95
3640773	B292A08800YPL KC7315	G95
3640774	B292A09000YPL KC7315	G95
3640775	B292A09200YPL KC7315	G95
3640776	B292A09347YPL KC7315	G95
3640777	B292A09500YPL KC7315	G95
3640778	B292A09525YPL KC7315	G95
3640779	B292A10000YPL KC7315	G95
3640780	B292A10200YPL KC7315	G95
3640781	B292A10320YPL KC7315	G95
3640782	B292A10500YPL KC7315	G95
3640783	B292A10716YPL KC7315	G95
3640784	B292A11000YPL KC7315	G95
3640785	B292A11112YPL KC7315	G95
3640786	B292A11500YPL KC7315	G95
3640787	B292A12000YPL KC7315	G96
3640788	B292A12304YPL KC7315	G96
3640789	B292A12500YPL KC7315	G96
3640790	B292A13000YPL KC7315	G96
3640791	B292A13500YPL KC7315	G96
3640792	B292A14000YPL KC7315	G96
3640793	B292A14500YPL KC7315	G96
3640794	B292A15000YPL KC7315	G96
3640795	B292A15500YPL KC7315	G96
3640796	B292A16000YPL KC7315	G96
3640797	B292A16500YPL KC7315	G96
3640798	B292A17000YPL KC7315	G96
3640799	B292A17500YPL KC7315	G96
3640800	B292A18000YPL KC7315	G96
3640801	B292A18500YPL KC7315	G96
3640802	B292A19000YPL KC7315	G96
3640803	B292A19050YPL KC7315	G96
3640806	B292A20000YPL KC7315	G96
3640807	B292A20500YPL KC7315	G96
3640808	B292A21000YPL KC7315	G96
3641465	DTQ3054	S116, S120, S122
3641473	BTQT25	S116, S120, S122
3641712	EDPT10T308PDERHD KC522M	T36, T43
3641734	EDPT10T308PDERHD KC725M	T36, T43
3641735	EDPT10T308PDERHD KCK15	T36, T43
3641736	EDPT10T308PDERHD KCPK30	T36, T43
3641740	EDPT10T304PDERHD KC522M	T36, T43
3641741	EDPT10T304PDERHD KC725M	T36, T43
3641742	EDPT10T304PDERHD KCK15	T36, T43
3641783	EDPT10T304PDERHD KCPK30	T36, T43
3642028	EDPT10T312PDERHD KC522M	T36, T43
3642029	EDPT10T312PDERHD KC725M	T36, T43
3642031	EDPT10T312PDERHD KCPK30	T36, T43
3642093	EDPT10T316PDERHD KC522M	T36, T43
3642094	EDPT10T316PDERHD KC725M	T36, T43
3642096	EDPT10T316PDERHD KCPK30	T36, T43
3642097	EDPT10T320PDERHD KC725M	T36, T43
3642098	EDPT10T320PDERHD KCPK30	T36, T43
3642102	EDPT10T324PDERHD KC725M	T36, T43
3642133	EDPT10T324PDERHD KCPK30	T36, T43
3642134	D80MTTB1120KM63	B387
3642135	D100MTTB1330KM63	B387
3642136	EDPT10T331PDERHD KC522M	T36, T43
3642137	EDPT10T331PDERHD KC725M	T36, T43
3642138	EDPT10T331PDERHD KCPK30	T36, T43
3642141	EDPT10T304PDSRGD KC725M	T36, T44
3642142	EDPT10T304PDSRGD KCK15	T36, T44
3642163	EDPT10T304PDSRGD KCPK30	T36, T44
3642170	EDPT10T308PDSRGD KC725M	T36, T44
3642171	EDPT10T308PDSRGD KCK15	T36, T44
3642172	EDPT10T308PDSRGD KCPK30	T36, T44
3642193	EDPT10T312PDSRGD KC725M	T36, T44
3642194	EDPT10T312PDSRGD KCK15	T36, T44
3642195	EDPT10T312PDSRGD KCPK30	T36, T44
3642196	EDPT10T316PDSRGD KC725M	T36, T44
3642198	EDPT10T316PDSRGD KCPK30	T36, T44
3642247	CRDPN2525M06V	B168, B370
3642248	CRDPN2525M09V	B168, B370
3642249	CRDPN3232P09V	B168, B370
3642251	CRDPN3232P12V	B168, B370
3642252	CRDPN3232P15V	B168, B370
3642276	CRGPR2525M06V	B168, B370
3642277	CRGPL2525M06V	B168, B370
3642280	CRGPR3232P09V	B168, B370
3642281	CRGPL3232P09V	B168, B370
3643846	KCGR110304R08 KD1425	E29
3643847	KCGR110308L08 KD1425	E29
3643849	KCGX110301L15 KD1425	E31
3643850	KCGX110301R15 KD1425	E31
3643851	KCGX110302L15 KD1425	E31
3643852	KCGX110302R15 KD1425	E31
3643853	KCGX110304L15 KD1425	E31
3643854	KCGX110304R15 KD1425	E31
3643855	VCGN160404 KD1425	B351, E34
3643856	VCGN160408 KD1425	B351, E34
3643858	VCGR160404 KD1425	B351, E34
3643859	VCGR160408 KD1425	B351, E34
3643860	VCGR160412 KD1425	B351, E34
3643862	DCGR150408 KD1425	E28
3644073	DT7IP	T30–33, T39–41
3644452	KSHR40D03R50A25SHN09	S20
3645083	KSHR40D04R50A25SHN09	S20
3646911	SNMG250924RM KC5010	B100
3647201	KSHR40A04RS45HN09	S21
3648330	CPGN120304F KD1425	B345
3648331	CPGN120308F KD1425	B345
3648332	TPGN110304F KD1425	B349
3648428	DFT06T308D36MD KC7140	H89
3648430	DFT05T308D32MD KC7140	H89
3648474	DFT070408D45MD KC7140	H89
3648478	DFT090508D56MD KC7140	H89
3648584	TPGN160304F KD1425	B349
3648585	TPGN160308F KD1425	B349
3648588	TPGN220408F KD1425	B349
3649187	EDCT10T308PDFRLDJ KC410M	T35, T42
3649188	EDCT10T308PDERLDJ KC422M	T35, T43
3649189	EDCT10T308PDERLD KC520M	T35, T43
3649190	EDCT10T308PDERLD KC522M	T35, T43
3649191	EDCT10T308PDERLD KC725M	T35, T43
3649192	EDCT10T308PDERLD KCPK30	T35, T43
3649213	EDCT10T308PDERLD KCK15	T35, T43
3650831	SCMT120408MP KCK20	B231
3650903	SCMT120408MP KCP25	B231
3654372	SPET10T304PPERGB2 KC725M	T100, U37
3654503	SPET10T304PPERGB2 KCPK30	T100, U37
3654504	SPET10T304PPERGB2 KCK15	T100, U37
3654505	SPET10T304PPELGB2 KC725M	T100, U37
3654506	SPET10T304PPELGB2 KCPK30	T100, U37
3654507	SPET10T304PPELGB2 KCK15	T100, U37
3655880	CNGA120404FST KD1400	B344
3655881	CNGA120408FST KD1400	B344
3655882	CNMS120404FST KD1400	B345
3656063	CNMS120408FST KD1400	B345
3656064	DNGA150404FST KD1400	B347
3656065	DNGA150408FST KD1400	B347
3656066	DNMS150404FST KD1400	B347
3656067	DNMS150408FST KD1400	B347
3656068	TNMS160404FST KD1400	B348
3656069	TNMS160408FST KD1400	B348
3656070	VNGA160404FST KD1400	B350
3656071	VNGA160408FST KD1400	B350
3656072	VNMS160404FST KD1400	B350
3656073	VNMS160408FST KD1400	B350
3656449	CNGA120404FST KD1425	B344
3656450	CNGA120408FST KD1425	B344
3656452	CNMS120408FST KD1425	B345
3656463	DNGA150404FST KD1425	B347
3656464	DNGA150408FST KD1425	B347
3656466	DNMS150408FST KD1425	B347
3656467	TNMS160404FST KD1425	B348
3656468	TNMS160408FST KD1425	B348
3656470	VNGA160408FST KD1425	B350
3656471	VNMS160404FST KD1425	B350
3656472	VNMS160408FST KD1425	B350
3656474	WNGA080408FST KD1425	B351
3659002	KLSSM22-39-CG	S14, S21, S32, S34, V21, V28, V40, V147
3659963	CDHBS4T002FST KD1400	B344
3659964	CDHBS4T0X0FST KD1400	B344
3659965	CCGW060204FST KD1400	B344
3659966	CCGW09T304FST KD1400	B344
3659967	CCGW09T308FST KD1400	B344
3659968	CPGW060202FST KD1400	B346
3659969	CPGW060204FST KD1400	B346
3659970	CPGW060208FST KD1400	B346
3659971	CPGW09T304FST KD1400	B346
3659972	CPGW09T308FST KD1400	B346
3659975	CPGW060204FWST KD1400	B346
3659976	CPGW09T308FWST KD1400	B346
3659977	CPGW120408FWST KD1400	B346
3659978	DCGW070204FST KD1400	B346
3659979	DCGW11T304FST KD1400	B346
3659980	DPGW070202FST KD1400	B348
3659981	DPGW070204FST KD1400	B348
3659982	DPGW11T304FST KD1400	B348
3659985	TCGW110204FST KD1400	B348
3659986	TCGW16T304FST KD1400	B348
3659987	TPGW110204FST KD1400	B349
3659988	TPGW110208FST KD1400	B349
3659990	TPGW16T308FST KD1400	B349
3659991	VBGW110304FST KD1400	B350
3659992	VBGW160404FST KD1400	B350
3659994	CDHBS4T002FST KD1425	B344
3659996	CCGW060204FST KD1425	B344
3659997	CCGW09T304FST KD1425	B344
3659998	CCGW09T308FST KD1425	B344
3659999	CPGW060202FST KD1425	B346
3660000	CPGW060204FST KD1425	B346
3660001	CPGW060208FST KD1425	B346
3660002	CPGW09T304FST KD1425	B346
3660003	CPGW09T308FST KD1425	B346
3660006	CPGW060204FWST KD1425	B346
3660007	CPGW09T308FWST KD1425	B346
3660008	CPGW120408FWST KD1425	B346
3660009	DCGW070204FST KD1425	B346
3660010	DCGW11T304FST KD1425	B346
3660011	DPGW070202FST KD1425	B348
3660012	DPGW070204FST KD1425	B348
3660013	DPGW11T304FST KD1425	B348
3660015	DPGW11T304FWST KD1425	B348
3660016	TCGW110204FST KD1425	B348
3660018	TPGW110204FST KD1425	B349
3660020	TPGW16T304FST KD1425	B349
3660021	TPGW16T308FST KD1425	B349
3660022	VBGW110304FST KD1425	B350
3660023	VBGW160404FST KD1425	B350
3660154	KSEMP1300HPGM KC7315	H87
3660156	KSEMP2000HPGM KC7315	H87
3660157	KSEMP3400HPGM KC7315	H87
3660312	KSOM32R03A200F06	S47
3660590	CM214	B168, B370
3660591	CM219	B168, B370
3660592	CM216	B168, B370
3660593	CM217	B168, B370
3667056	SIF70HC12090M	K47
3667057	SIF70HC20100M	K47

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3667058	SIF80HC12090M	K47
3667059	SIF80HC20100M	K47
3667060	SIF80HC25100M	K47
3667061	SIF100HC12090M	K47
3667062	SIF100HC20100M	K47
3667918	B707A11350FBG KC7315	G115
3668023	SIF100HC25100M	K47
3668057	B291A07200YPL KC7315	G95
3668058	B292A07200YPL KC7315	G95
3668624	RMS05000H7HF K605	K9
3668625	RMS05500H7HF K605	K9
3668626	RMS06000H7HF K605	K9
3668627	RMS06500H7HF K605	K9
3668628	RMS07000H7HF K605	K9
3668629	RMS08000H7HF K605	K9
3668630	RMS09000H7HF K605	K9
3668631	RMS10000H7HF K605	K9
3668632	RMS11000H7HF K605	K9
3668883	RMS12000H7HF K605	K9
3668884	RMS13000H7HF K605	K9
3668885	RMS14000H7HF K605	K9
3668886	RMS05000H7SF K605	K8
3668887	RMS05500H7SF K605	K8
3668888	RMS06000H7SF K605	K8
3668889	RMS06500H7SF K605	K8
3668890	RMS07000H7SF K605	K8
3668891	RMS08000H7SF K605	K8
3668892	RMS09000H7SF K605	K8
3668903	RMS10000H7SF K605	K8
3668904	RMS11000H7SF K605	K8
3668905	RMS12000H7SF K605	K8
3668906	RMS13000H7SF K605	K8
3668907	RMS14000H7SF K605	K8
3668908	RMS05000H7HF KC6305	K9
3668909	RMS05500H7HF KC6305	K9
3668910	RMS06000H7HF KC6305	K9
3668911	RMS06500H7HF KC6305	K9
3668912	RMS07000H7HF KC6305	K9
3668913	RMS08000H7HF KC6305	K9
3668914	RMS09000H7HF KC6305	K9
3668915	RMS10000H7HF KC6305	K9
3668916	RMS11000H7HF KC6305	K9
3668917	RMS12000H7HF KC6305	K9
3668918	RMS13000H7HF KC6305	K9
3668919	RMS14000H7HF KC6305	K9
3668920	RMS05000H7SF KC6305	K8
3668921	RMS05500H7SF KC6305	K8
3668922	RMS06000H7SF KC6305	K8
3668923	RMS06500H7SF KC6305	K8
3668924	RMS07000H7SF KC6305	K8
3668925	RMS08000H7SF KC6305	K8
3668926	RMS09000H7SF KC6305	K8
3668927	RMS10000H7SF KC6305	K8
3668928	RMS11000H7SF KC6305	K8
3668929	RMS12000H7SF KC6305	K8
3668930	RMS13000H7SF KC6305	K8
3668931	RMS14000H7SF KC6305	K8
3669000	DFT05T308D33MD KC7140	H89
3669001	DFT06T308D39MD KC7140	H89
3669002	DFT06T308D44MD KC7140	H89
3669071	NST1	B168, B370
3669072	NST2	B168, B370
3669083	DFT070408D50MD KC7140	H89
3669084	DFT090508D63MD KC7140	H89
3669183	NST3	B168, B370
3669184	NST4	B168, B370
3681262	B976F03900 KC7315	G143
3682450	EDCT10T304PDFRLDJ KC410M	T35, T42
3682451	EDCT10T304PDERLDJ KC422M	T35, T43
3682452	EDCT10T304PDERLD KC520M	T35, T43
3682513	EDCT10T304PDERLD KC522M	T35, T43
3682514	EDCT10T304PDERLD KC725M	T35, T43
3682515	EDCT10T304PDERLD KCPK30	T35, T43
3682520	EDCT10T312PDFRLDJ KC410M	T35, T42
3682653	EDCT10T312PDERLD KC522M	T35, T43
3682655	EDCT10T312PDERLD KC725M	T35, T43
3682777	EDCT10T316PDFRLDJ KC410M	T35, T42
3682778	EDCT10T316PDERLDJ KC422M	T35, T43
3682780	EDCT10T316PDERLD KC522M	T35, T43
3682781	EDCT10T316PDERLD KC725M	T35, T43
3682782	EDCT10T316PDERLD KCPK30	T35, T43
3683704	B707A03700FBG KC7315	G114
3683843	KSEM3975HPGM KC7315	H43
3684779	EDCT10T302PDFRLDJ KC410M	T35, T42
3684824	EDCT10T331PDFRLDJ KC410M	T35, T42
3684828	EDCT10T331PDERLD KC725M	T35
3684829	EDCT10T331PDERLD KCPK30	T35, T43
3690478	KSEMP1400HPGM KC7315	H87
3690479	KSEMP1500HPGM KC7315	H87
3690480	KSEMP1600HPGM KC7315	H87
3690481	KSEMP1700HPGM KC7315	H87
3690482	KSEMP1800HPGM KC7315	H87
3690713	KSEMP1900HPGM KC7315	H87
3690714	KSEMP2100HPGM KC7315	H87
3690715	KSEMP2200HPGM KC7315	H87
3690716	KSEMP2300HPGM KC7315	H87
3690717	KSEMP2400HPGM KC7315	H87
3690718	KSEMP2500HPGM KC7315	H87
3690719	KSEMP2600HPGM KC7315	H87
3690720	KSEMP2700HPGM KC7315	H87
3690721	KSEMP2800HPGM KC7315	H87
3690722	KSEMP2900HPGM KC7315	H87
3690723	KSEMP3000HPGM KC7315	H87
3690724	KSEMP3100HPGM KC7315	H87
3690725	KSEMP3200HPGM KC7315	H87
3690726	KSEMP3300HPGM KC7315	H87
3700622	KDMB06R100A06HN	V114
3727352	ASPM07001802	T57–59
3732218	B707A05200FBG KC7315	G114
3732889	M1HR125E14W125Z2L200C4	T65
3732890	M1HR150E14W125Z3L200C6	T65
3732891	M1HR150E14W125Z3L250C9	T65
3732892	M1HR150E14W125Z3L300C12	T65
3732933	M1HR200E14S075Z3L200C6	T65
3732934	M1HR200E14S075Z3L250C9	T65
3732935	M1HR200E14W150Z3L300C12	T65
3732937	M1HR250E14S100Z3L250C9	T65
3732938	M1HR250E14S100Z4L250C12	T65
3732939	M1HR250E14S100Z3L300C12	T65
3733337	CNGA120412S01020MT KB5630	B290, B310
3733417	DNGA150404S01025MT KB5630	B290, B314
3737769	KSEM2110HPGM KC7315	H42
3738473	A4G0605M06U04GMN KCP25	C96
3738488	DV40BSIF80061M	K45
3738490	DV50BSIF70060M	K45
3738491	DV50BSIF100060M	K45
3738492	BT40BSIF80063M	K44
3738503	BT50BSIF70063M	K45
3738504	BT50BSIF100068M	K45
3738505	CV40BSIF80248	K44
3738506	CV50BSIF70236	K44
3738507	CV50BSIF100236	K44
3738508	HSK63ASIF70066M	K46
3738510	HSK80ASIF70066M	K46
3738511	HSK100ASIF70050M	K46
3738512	HSK100ASIF100070M	K46
3739296	B292A15600YPL KC7315	G96
3742210	KSEMP3300FDS32A1M	H80, H91, H98
3742211	KSEMP5000FDS50A1M	H81, H92, H98
3742212	KSEMP7000FDS63A1M	H81, H92, H99
3742293	WD32FDS32321M	H103
3742294	WD50FDS50503M	H103
3742296	WD50FDS63779M	H103
3742932	M1H32J2R50B32S90ED14C4	T57
3743033	M1H40J3R50B32S90ED14C6	T57
3743034	M1H40J3R65B32S90ED14C9	T57
3743035	M1H40J3R80B32S90ED14C12	T57
3743036	M1H50T3R50A22S90ED14C6	T58
3743037	M1H50T3R65A22S90ED14C9	T58
3743038	M1H50J3R80B40S90ED14C12	T57
3743039	M1H63T3R50A27S90ED14C6	T58
3743040	M1H63T3R65A27S90ED14C9	T58
3743041	M1H63T4R65A27S90ED14C12	T58
3743042	M1H63T3R75A27S90ED14C12	T58
3744538	12A01R020A16ED10	T31
3744539	16A02R025A16ED10	T31
3744540	20A02R028A20ED10	T31
3744541	20A03R028A20ED10	T31
3744542	25A03R032A25ED10	T31
3744613	25A04R032A25ED10	T31
3744614	32A04R040A32ED10	T31
3744615	32A05R040A32ED10	T31
3744616	16A02R025A16ED10-170	T32
3744617	16A02R025A16ED10R31-170	T32
3744618	18A02R028A16ED10-170	T32
3744619	20A02R032A20ED10-170	T32
3744620	20A02R032A20ED10R31-170	T32
3744621	20A03R032A20ED10-170	T32
3744622	20A03R032A20ED10R31-170	T32
3744623	22A03R032A20ED10-170	T32
3744624	25A03R040A25ED10-200	T32
3744625	25A03R040A25ED10R31-200	T32
3744626	25A04R040A25ED10-200	T32
3744627	25A04R040A25ED10R31-200	T32
3744628	28A04R040A25ED10-200	T32
3744629	32A04R048A32ED10-200	T32
3744630	32A04R048A32ED10R31-200	T32
3744631	32A05R048A32ED10-200	T32
3744632	32A05R048A32ED10R31-200	T32
3744633	16A02R025B16ED10	T30
3744634	20A02R028B20ED10	T30
3744635	20A03R028B20ED10	T30
3744636	25A03R032B25ED10	T30
3744637	25A04R032B25ED10	T30
3744638	32A04R040B32ED10	T30
3744639	32A05R040B32ED10	T30
3744865	CCMT060204MP KCM15	B177
3744872	DCMT11T308MP KCM15	B208
3744873	SCMT09T304MP KCM15	B231
3744874	SCMT09T308MP KCM15	B231
3744878	SPMT09T308MP KCM15	B239
3744880	TCMT16T308MP KCM15	B245
3744884	CCMT060204MP KCP25	B177
3744886	CCMT09T304MP KCP25	B177
3744887	CCMT09T308MP KCP25	B177
3744888	CCMT09T312MP KCP25	B177
3744890	CCMT120408MP KCP25	B177
3744891	CCMT120412MP KCP25	B177
3744893	CPMT09T308MP KCP25	B190
3744895	DCMT11T304MP KCP25	B208
3744896	DCMT11T312MP KCP25	B208
3744897	DPMT11T308MP KCP25	B216
3744898	SCMT09T304MP KCP25	B231
3744900	SCMT120412MP KCP25	B231
3744903	SPMT120408MP KCP25	B239
3744904	TCMT110208MP KCP25	B245
3744906	TCMT16T304MP KCP25	B245
3744907	TCMT16T312MP KCP25	B245
3744908	TPMT110208MP KCP25	B255
3744909	TPMT16T308MP KCP25	B255
3744910	TPMT16T312MP KCP25	B255
3744911	VBMT160404MP KCP25	B265
3744912	VBMT160408MP KCP25	B265
3744917	CCMT060204MP KCM25	B177
3744918	CCMT09T304MP KCM25	B177
3744919	CCMT09T308MP KCM25	B177
3744920	CCMT09T312MP KCM25	B177
3744923	CCMT120412MP KCM25	B177
3744924	CPMT09T308MP KCM25	B190
3744925	DCMT11T308MP KCM25	B208
3744926	SCMT09T304MP KCM25	B231
3744927	SCMT09T308MP KCM25	B231
3744928	SCMT120404MP KCM25	B231
3744929	SCMT120408MP KCM25	B231
3744930	SCMT120412MP KCM25	B231
3744931	TCMT16T304MP KCM25	B245
3744932	TCMT16T308MP KCM25	B245
3744935	VBMT160404MP KCM25	B265
3744936	VBMT160408MP KCM25	B265
3744940	CCMT060204MP KCP10	B177
3744941	CCMT09T304MP KCP10	B177
3744942	CCMT09T308MP KCP10	B177
3744943	CCMT120408MP KCP10	B177
3744945	CPMT09T308MP KCP10	B190
3744946	DCMT11T304MP KCP10	B208
3744947	DCMT11T308MP KCP10	B208
3744949	SCMT09T308MP KCP10	B231
3744950	SCMT120408MP KCP10	B231
3744951	TCMT16T308MP KCP10	B245
3744955	CCMT09T308MP KCK20	B177
3744956	CCMT120408MP KCK20	B177
3744957	CCMT120412MP KCK20	B177
3744958	CPMT09T308MP KCK20	B190
3744962	SCMT09T304MP KCK20	B231
3744965	SPMT09T308MP KCK20	B239
3744974	VBMT160408MP KCK20	B265
3744975	CCMT060204MP KCU10	B177
3744976	CCMT09T304MP KCU10	B177
3744977	CCMT09T308MP KCU10	B177
3744978	CCMT120408MP KCU10	B177
3744979	CPMT060208MP KCU10	B190
3744980	CPMT09T308MP KCU10	B190
3744981	DCMT11T304MP KCU10	B208
3744982	DCMT11T312MP KCU10	B208
3744983	DPMT11T308MP KCU10	B216
3744984	SCMT09T304MP KCU10	B231
3744985	SCMT120404MP KCU10	B231
3744986	SCMT120408MP KCU10	B231
3744987	SPMT09T308MP KCU10	B239
3744988	SPMT120408MP KCU10	B239
3744989	TCMT110208MP KCU10	B245
3744990	TCMT16T304MP KCU10	B245
3745674	40A04RS90ED10D	T33
3745675	40A06RS90ED10D	T33
3745676	50A05RS90ED10D	T33
3745677	50A08RS90ED10D	T33
3745678	63A06RS90ED10D	T33
3745679	63A09RS90ED10D	T33
3745680	80A08RS90ED10D	T33
3745681	80A10RS90ED10D	T33
3745682	100B08RS90ED10D	T33
3745703	100B12RS90ED10D	T33
3745708	16A02R025M08ED10	T29
3745709	20A02R028M10ED10	T29
3745710	20A03R028M10ED10	T29
3745711	25A03R032M12ED10	T29
3745712	25A04R032M12ED10	T29
3745723	32A04R040M16ED10	T29
3745724	32A05R040M16ED10	T29
3745725	40A06R040M16ED10	T29
3745726	42A06R040M16ED10	T29
3746074	DNMG110404MN KCP05	B78
3746075	DNMG110408MN KCP05	B78
3746077	DNMG150412MN KCP05	B78
3746083	VNMG160408MN KCP05	B145
3746085	CNMG120412MW KCP05	B52
3746086	DNMG150608MW KCP05	B80
3746087	TNMG160408MW KCP05	B127
3746089	WNMG080408MW KCP05	B158
3746090	DNMG150408MW KCP05	B80
3746091	DNMG150412MW KCP05	B80
3746092	DNMG150612MW KCP05	B80
3746114	CNMG120412RP KCP05	B53
3746116	DNMG150608RP KCP05	B81
3746118	SNMG120408RP KCP05	B101
3746119	SNMG120412RP KCP05	B101
3746120	TNMG160408RP KCP05	B128
3746121	TNMG160412RP KCP05	B128
3746122	WNMG080408RP KCP05	B159
3746123	WNMG080412RP KCP05	B159
3746125	CCMT060204UF KCP05	B178
3746126	CCMT09T302UF KCP05	B178
3746132	DCMT11T302UF KCP05	B208
3746133	DCMT11T304UF KCP05	B208
3746134	DCMT11T308UF KCP05	B208
3746135	SCMT09T308UF KCP05	B231
3746137	TPMT110202UF KCP05	B256
3746138	TPMT110204UF KCP05	B256

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3747113	EDPT10T310PDERHD KC522M	T36, T43
3747114	EDPT10T310PDERHD KC725M	T36, T43
3747115	EDPT10T310PDERHD KCK15	T36, T43
3747116	EDPT10T310PDERHD KCPK30	T36, T43
3747140	CNGA120404S01025MT KB5630	B290, B310
3747141	CNGA120408S01025MT KB5630	B290, B310
3747142	CNGA120412S01025MT KB5630	B290, B310
3747223	CNGA120404S01025FWMT KB5630	B289, B310
3747224	CNGA120408S01025FWMT KB5630	B289, B310
3747225	DNGA150408S01025MT KB5630	B290, B314
3747226	VNGA160404S01025MT KB5630	B292, B323
3747227	VNGA160408S01025MT KB5630	B292, B323
3747228	RNGN090300S02015C KB5630	B317
3747231	CCGW060202S01015C KB5630	B290, B308
3747232	CCGW060204S01015C KB5630	B290, B308
3747233	CCGW09T304S01015MT KB5630	B291, B308
3747234	CCGW09T308S01015MT KB5630	B291, B308
3747237	CPGW09T304S01015MT KB5630	B311
3747238	CPGW09T308S01015MT KB5630	B311
3747239	DCGW070202S01015C KB5630	B291, B312
3747240	DCGW070204S01015C KB5630	B291, B312
3747241	DCGW11T304S01015MT KB5630	B291, B312
3747242	DCGW11T308S01015MT KB5630	B291, B312
3747244	TPGW110208S01015C KB5630	B291, B321
3747245	VBGW160404S01015MT KB5630	B292, B322
3747246	VBGW160408S01015MT KB5630	B292, B322
3747373	MS1235	T58, T109
3747374	MS1233	T58
3747375	MS1198	S110, T58
3748345	CNMG120408CT KCP05	B48
3748348	DNMG110408CT KCP05	B76
3748363	DNMG150612CT KCP05	B76
3748366	CNMG120404FF KCP05	B48
3748367	CNMG120408FF KCP05	B48
3748368	DNMG110408FF KCP05	B76
3748374	TNMG160408FF KCP05	B124
3748375	VNMG160404FF KCP05	B145
3748376	VNMG160408FF KCP05	B145
3748377	CNMG120404FW KCP05	B49
3748378	CNMG120408FW KCP05	B49
3748379	CNMG120412FW KCP05	B49
3748381	DNMG110408FW KCP05	B78
3748383	DNMG150408FW KCP05	B78
3748384	DNMG150604FW KCP05	B78
3748385	DNMG150608FW KCP05	B78
3748386	SNMG120408FW KCP05	B98
3748388	TNMG160404FW KCP05	B125
3748389	TNMG160408FW KCP05	B125
3748390	TNMG160412FW KCP05	B125
3748391	WNMG060404FW KCP05	B156
3748392	WNMG060408FW KCP05	B156
3748394	WNMG080404FW KCP05	B156
3748395	WNMG080408FW KCP05	B156
3748396	WNMG080412FW KCP05	B156
3748397	CCMT060208LF KCP05	B177
3748401	CPMT09T304LF KCP05	B190
3748422	VBMT110304LF KCP05	B265
3748423	VBMT110308LF KCP05	B265
3748425	VBMT160408LF KCP05	B265
3749127	HNGJ0905ANSNHD KC520M	S19, S23
3749128	HNGJ090543ANSNHD KC520M	S19, S23
3749198	CNMG120412MW KCP10	B52
3749200	DNMG150608MW KCP10	B80
3749253	SNMG120412MW KCP10	B100
3749254	TNMG160408MW KCP10	B127
3749255	TNMG160412MW KCP10	B127
3749256	WNMG060408MW KCP10	B158
3749258	WNMG080408MW KCP10	B158
3749259	CNMG120404RP KCP10	B53
3749260	CNMG120412RP KCP10	B53
3749261	CNMG120416RP KCP10	B53
3749262	CNMG160608RP KCP10	B53
3749263	CNMG160612RP KCP10	B53
3749264	CNMG160616RP KCP10	B53
3749266	CNMG190616RP KCP10	B53
3749267	DNMG110408RP KCP10	B81
3749269	DNMG150408RP KCP10	B81
3749271	DNMG150608RP KCP10	B81
3749272	DNMG150612RP KCP10	B81
3749273	DNMG150616RP KCP10	B81
3749274	RCMT1204M0RP KCP10	B226
3749277	SNMG120408RP KCP10	B101
3749278	SNMG120412RP KCP10	B101
3749279	SNMG120416RP KCP10	B101
3749282	SNMG190612RP KCP10	B101
3749283	SNMG190616RP KCP10	B101
3749284	TNMG160408RP KCP10	B128
3749285	TNMG160412RP KCP10	B128
3749286	TNMG160416RP KCP10	B128
3749288	TNMG220412RP KCP10	B128
3749289	TNMG220416RP KCP10	B128
3749290	TNMG270612RP KCP10	B128
3749291	VNMG160408RP KCP10	B147
3749292	VNMG160412RP KCP10	B147
3749293	WNMG060408RP KCP10	B159
3749294	WNMG060412RP KCP10	B159
3749295	WNMG080408RP KCP10	B159
3749296	WNMG080412RP KCP10	B159
3749297	WNMG080416RP KCP10	B159
3749298	CCMT060204UF KCP10	B178
3749299	CCMT09T302UF KCP10	B178
3749300	CCMT09T304UF KCP10	B178
3749307	DCMT11T308UF KCP10	B208
3749309	DPMT11T304UF KCP10	B216
3749310	DPMT11T308UF KCP10	B216
3749311	SCMT09T308UF KCP10	B231
3749318	TPMT16T308UF KCP10	B256
3749336	CNMG120416CT KCP10	B48
3749337	DNMG110408CT KCP10	B76
3749338	DNMG150404CT KCP10	B76
3749339	DNMG150408CT KCP10	B76
3749341	DNMG150604CT KCP10	B76
3749342	DNMG150608CT KCP10	B76
3749344	DNMG150612CT KCP10	B76
3749347	CNMG120404FF KCP10	B48
3749348	CNMG120408FF KCP10	B48
3749349	DNMG110408FF KCP10	B76
3749350	DNMG150404FF KCP10	B76
3749352	DNMG150608FF KCP10	B76
3749353	SNMG090308FF KCP10	B97
3749355	TNMG160404FF KCP10	B124
3749357	VNMG160404FF KCP10	B145
3749358	VNMG160408FF KCP10	B145
3749359	CNMG120404FW KCP10	B49
3749360	CNMG120408FW KCP10	B49
3749361	CNMG120412FW KCP10	B49
3749362	DNMG110404FW KCP10	B78
3749363	DNMG110408FW KCP10	B78
3749364	DNMG150404FW KCP10	B78
3749367	DNMG150608FW KCP10	B78
3749368	SNMG120408FW KCP10	B98
3749369	SNMG120412FW KCP10	B98
3749370	TNMG160404FW KCP10	B125
3749374	WNMG060408FW KCP10	B156
3749375	WNMG060412FW KCP10	B156
3749376	WNMG080404FW KCP10	B156
3749377	WNMG080408FW KCP10	B156
3749378	WNMG080412FW KCP10	B156
3749379	CCMT060208LF KCP10	B177
3749380	CCMT120408LF KCP10	B177
3749381	CPMT060204LF KCP10	B190
3749382	CPMT060208LF KCP10	B190
3749383	CPMT09T304LF KCP10	B190
3749384	CPMT09T308LF KCP10	B190
3749386	DCMT070204LF KCP10	B207
3749387	DCMT11T308LF KCP10	B207
3749388	DCMT11T312LF KCP10	B207
3749389	DCMT150404LF KCP10	B207
3749390	DCMT150408LF KCP10	B207
3749391	DPMT070204LF KCP10	B215
3749392	DPMT11T304LF KCP10	B215
3749393	DPMT11T308LF KCP10	B215
3749394	SCMT09T304LF KCP10	B230
3749395	SCMT09T308LF KCP10	B230
3749396	SCMT120404LF KCP10	B230
3749399	SPMT09T304LF KCP10	B238
3749401	TCMT110204LF KCP10	B244
3749402	TCMT110208LF KCP10	B244
3749403	TCMT16T304LF KCP10	B244
3749404	TCMT16T308LF KCP10	B244
3749408	TPMT110204LF KCP10	B255
3749410	TPMT16T304LF KCP10	B255
3749412	VBMT110304LF KCP10	B265
3749413	VBMT110308LF KCP10	B265
3749414	VBMT160404LF KCP10	B265
3749415	VBMT160408LF KCP10	B265
3749416	WPMT040204LF KCP10	B272
3749422	CCMT060204MF KCP10	B177
3749444	CCMT09T312MF KCP10	B177
3749447	CPMT09T308MF KCP10	B190
3749449	DCMT11T304MF KCP10	B208
3749450	DCMT11T308MF KCP10	B208
3749451	DCMT11T312MF KCP10	B208
3749453	SCMT09T308MF KCP10	B231
3749454	SCMT120408MF KCP10	B231
3749455	SCMT120412MF KCP10	B231
3749456	SPMT09T308MF KCP10	B239
3749459	TCMT16T308MF KCP10	B245
3749460	TCMT16T312MF KCP10	B245
3749462	TPMT16T308MF KCP10	B255
3749463	CNMG090304MN KCP10	B50
3749464	CNMG090308MN KCP10	B50
3749465	CNMG120404MN KCP10	B50
3749466	CNMG120416MN KCP10	B50
3749467	CNMG160608MN KCP10	B50
3749468	CNMG160612MN KCP10	B50
3749469	CNMG160616MN KCP10	B50
3749470	CNMG190608MN KCP10	B50
3749471	CNMG190612MN KCP10	B50
3749474	DNMG110408MN KCP10	B78
3749475	DNMG110412MN KCP10	B78
3749476	DNMG150404MN KCP10	B78
3749479	DNMG150604MN KCP10	B78
3749480	DNMG150612MN KCP10	B78
3749481	DNMG150616MN KCP10	B78
3749483	SNMG090308MN KCP10	B98
3749484	SNMG090312MN KCP10	B98
3749486	SNMG120408MN KCP10	B98
3749487	SNMG120412MN KCP10	B98
3749490	SNMG190612MN KCP10	B98
3749491	TNMG160404MN KCP10	B125
3749493	TNMG220404MN KCP10	B125
3749494	TNMG220408MN KCP10	B125
3749496	VNMG160404MN KCP10	B145
3749497	VNMG160408MN KCP10	B145
3749498	VNMG160412MN KCP10	B145
3749499	WNMG060404MN KCP10	B157
3749500	WNMG060408MN KCP10	B157
3749501	WNMG060412MN KCP10	B157
3749502	WNMG080412MN KCP10	B157
3749503	CNMP120408K KCP10	B57
3749507	TNMP160408K KCP10	B130
3749508	VNMP160408K KCP10	B148
3749959	KSHR63A05RS45HN09	S21
3749960	KSHR80A05RS45HN09	S21
3749961	KSHR100B06RS45HN09	S21
3749962	KSHR125B08RS45HN09	S21
3750013	KSHR160C10RS45HN09	S21
3750568	B292A09600YPL KC7315	G95
3751151	DNMG110404FF KCP05	B76
3751152	DNMG150408FF KCP05	B76
3751405	RCMT1204M0RP KCK20	B226
3751406	RCMT2006M0RP KCK20	B226
3751474	CNMG120404FN KCP05	B49
3751475	CNMG120408FN KCP05	B49
3751477	DNMG110404FN KCP05	B77
3751478	DNMG110408FN KCP05	B77
3751479	DNMG110412FN KCP05	B77
3751480	DNMG150404FN KCP05	B77
3751481	DNMG150408FN KCP05	B77
3751482	DNMG150412FN KCP05	B77
3751483	DNMG150604FN KCP05	B77
3751484	DNMG150608FN KCP05	B77
3751485	DNMG150612FN KCP05	B77
3751486	SNMG120404FN KCP05	B97
3751488	TNMG160404FN KCP05	B124
3751490	TNMG160412FN KCP05	B124
3751492	VNMG160404FN KCP05	B145
3751493	VNMG160408FN KCP05	B145
3751494	WNMG080404FN KCP05	B155
3751495	WNMG080408FN KCP05	B155
3751498	CCMT09T308LF KCP05	B177
3751499	DCMT11T304LF KCP05	B207
3751500	CNMG120408MN KCP05	B50
3751501	CNMG120412MN KCP05	B50
3751505	TNMG160408MN KCP05	B125
3751506	WNMG080408MN KCP05	B157
3751507	CNMG120408MW KCP05	B52
3751508	WNMG080412MW KCP05	B158
3751509	CNMG120408RN KCP05	B53
3751511	CNMG120408RP KCP05	B53
3751512	CNMM120408RP KCP05	B56
3751519	CNMG190612 KCP25	B47
3751520	CNMG190616 KCP25	B47
3751521	CNMG250924 KCP25	B47
3751522	RNMG190600 KCP25	B94
3751546	SNMG250924 KCP25	B96
3751547	TNMG330924 KCP25	B123
3751548	RCMT0602M0 KCP25	B224
3751549	RCMT0803M0 KCP25	B224
3751550	RCMT10T3M0 KCP25	B224
3751551	RCMT1605M0 KCP25	B224
3751552	RCMT2006M0 KCP25	B224
3751553	RCMT060200 KCP25	B224
3751554	RCMT09T300 KCP25	B224
3751555	CNMG120408CT KCP25	B48
3751556	CNMG120412CT KCP25	B48
3751557	DNMG150404CT KCP25	B76
3751558	DNMG150408CT KCP25	B76
3751559	DNMG150608CT KCP25	B76
3751560	DNMG150612CT KCP25	B76
3751561	CCMT060204FW KCP25	B176
3751562	CCMT060208FW KCP25	B176
3751563	CCMT09T304FW KCP25	B176
3751564	CCMT09T308FW KCP25	B176
3751566	CPMT060208FW KCP25	B189
3751567	CPMT09T304FW KCP25	B189
3751568	CPMT09T308FW KCP25	B189
3751569	DCMT11T304FW KCP25	B207
3751570	DCMT11T308FW KCP25	B207
3751571	DPMT070204FW KCP25	B215
3751575	CCMT060208LF KCP25	B177
3751576	CCMT120408LF KCP25	B177
3751577	CPMT060204LF KCP25	B190
3751578	CPMT060208LF KCP25	B190
3751579	CPMT09T304LF KCP25	B190
3751580	CPMT09T308LF KCP25	B190
3751581	DCMT070204LF KCP25	B207
3751582	DCMT11T308LF KCP25	B207
3751583	DCMT11T312LF KCP25	B207
3751585	DCMT150408LF KCP25	B207
3751586	DPMT070204LF KCP25	B215
3751587	DPMT11T304LF KCP25	B215
3751588	DPMT11T308LF KCP25	B215
3751589	SCMT09T304LF KCP25	B230
3751590	SCMT09T308LF KCP25	B230
3751591	SCMT120404LF KCP25	B230
3751592	SCMT120408LF KCP25	B230
3751594	SPMT09T304LF KCP25	B238
3751595	SPMT09T308LF KCP25	B238
3751596	TCMT110204LF KCP25	B244

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3751597	TCMT110208LF KCP25	B244
3751598	TCMT16T304LF KCP25	B244
3751599	TCMT16T308LF KCP25	B244
3751600	TCMT16T312LF KCP25	B244
3751601	TCMT220408LF KCP25	B244
3751602	TPMT090204LF KCP25	B255
3751603	TPMT110204LF KCP25	B255
3751604	TPMT110208LF KCP25	B255
3751605	TPMT16T304LF KCP25	B255
3751606	TPMT16T308LF KCP25	B255
3751607	VBMT110304LF KCP25	B265
3751608	VBMT110308LF KCP25	B265
3751609	VBMT160404LF KCP25	B265
3751610	VBMT160408LF KCP25	B265
3751611	WPMT06T304LF KCP25	B272
3751615	CCMT09T308MW KCP25	B178
3751616	CCMT120404MW KCP25	B178
3751617	CCMT120408MW KCP25	B178
3751618	CNMG120412MW KCP25	B52
3751620	CPMT09T308MW KCP25	B191
3751622	DCMT11T308MW KCP25	B208
3751633	DNMG150408MW KCP25	B80
3751635	DNMG150608MW KCP25	B80
3751636	DNMG150612MW KCP25	B80
3751637	SNMG120408MW KCP25	B100
3751639	TNMG160408MW KCP25	B127
3751640	TNMG160412MW KCP25	B127
3751641	WNMG060408MW KCP25	B158
3751643	WNMG080408MW KCP25	B158
3751644	CNMG120404RP KCP25	B53
3751645	CNMG120412RP KCP25	B53
3751646	CNMG120416RP KCP25	B53
3751647	CNMG160608RP KCP25	B53
3751648	CNMG160612RP KCP25	B53
3751649	CNMG160616RP KCP25	B53
3751650	CNMG190612RP KCP25	B53
3751652	CNMM250924RP KCP25	B56
3751655	DNMG150408RP KCP25	B81
3751656	DNMG150412RP KCP25	B81
3751657	DNMG150608RP KCP25	B81
3751658	DNMG150612RP KCP25	B81
3751659	DNMG150616RP KCP25	B81
3751661	RCGT1204M0RP KCP25	B223
3751673	RCMT1204M0RP KCP25	B226
3751674	RCMT1606M0RP KCP25	B226
3751675	RCMT2006M0RP KCP25	B226
3751677	RCMX2507M0RP KCP25	B226
3751679	SNMG120408RP KCP25	B101
3751680	SNMG120412RP KCP25	B101
3751681	SNMG150612RP KCP25	B101
3751682	SNMG150616RP KCP25	B101
3751685	SNMM250724RP KCP25	B103
3751686	SNMM250924RP KCP25	B103
3751687	TNMG160408RP KCP25	B128
3751688	TNMG160412RP KCP25	B128
3751689	TNMG220408RP KCP25	B128
3751692	TNMG270612RP KCP25	B128
3751694	TNMG330924RP KCP25	B128
3751695	VNMG160408RP KCP25	B147
3751696	VNMG160412RP KCP25	B147
3751697	WNMG060408RP KCP25	B159
3751698	WNMG060412RP KCP25	B159
3751699	WNMG080408RP KCP25	B159
3751700	WNMG080412RP KCP25	B159
3751701	WNMG080416RP KCP25	B159
3751702	CCMT060204UF KCP25	B178
3751703	CCMT09T304UF KCP25	B178
3751705	CPMT060204UF KCP25	B191
3751706	CPMT09T304UF KCP25	B191
3751707	DCMT070204UF KCP25	B208
3751710	DCMT11T308UF KCP25	B208
3751711	DPMT070204UF KCP25	B216
3751712	TCMT110204UF KCP25	B245
3751714	TCMT16T308UF KCP25	B245
3751715	CNMM120408RM KCP25	B55
3751716	CNMM120412RM KCP25	B55
3751718	CNMM160612RM KCP25	B55
3751719	CNMM160616RM KCP25	B55
3751721	CNMM190612RM KCP25	B55
3751722	CNMM190616RM KCP25	B55
3751733	CNMM190624RM KCP25	B55
3751734	DNMM150408RM KCP25	B82
3751737	DNMM150612RM KCP25	B82
3751738	DNMM150616RM KCP25	B82
3751739	SNMM120408RM KCP25	B103
3751741	SNMM120412RM KCP25	B103
3751743	SNMM150612RM KCP25	B103
3751744	SNMM150616RM KCP25	B103
3751745	SNMM190612RM KCP25	B103
3751746	SNMM190616RM KCP25	B103
3751747	SNMM190624RM KCP25	B103
3751748	TNMM160408RM KCP25	B129
3751749	TNMM160412RM KCP25	B129
3751751	TNMM220412RM KCP25	B129
3751753	TNMM270612RM KCP25	B129
3751754	TNMM270616RM KCP25	B129
3751755	CNMG120408RN KCP25	B53
3751756	CNMG120416RN KCP25	B53
3751757	CNMG120408RP KCP25	B53
3751759	CNMM120412RP KCP25	B56
3751760	CNMM120416RP KCP25	B56
3751762	CNMM160612RP KCP25	B56
3751763	CNMM160616RP KCP25	B56
3751764	CNMM190612RP KCP25	B56
3751765	CNMM190616RP KCP25	B56
3751766	CNMM190624RP KCP25	B56
3751767	DNMM150608RP KCP25	B83
3751768	DNMM150612RP KCP25	B83
3751769	DNMM150616RP KCP25	B83
3751770	SNMM120408RP KCP25	B103
3751771	SNMM120412RP KCP25	B103
3751772	SNMM150612RP KCP25	B103
3751773	SNMM190612RP KCP25	B103
3751775	SNMM190624RP KCP25	B103
3751777	TNMM220412RP KCP25	B130
3751805	RNMG190600 KCP40	B94
3751808	SNMG190616 KCP40	B96
3751809	SNMG250924 KCP40	B96
3751810	TNMG330924 KCP40	B123
3751811	CNMG120408MN KCP40	B50
3751812	CNMG120412MN KCP40	B50
3751814	DNMG150408MN KCP40	B78
3751816	DNMG150608MN KCP40	B78
3751818	SNMG120408MN KCP40	B98
3751819	SNMG120412MN KCP40	B98
3751823	TNMG160412MN KCP40	B125
3751824	TNMG220408MN KCP40	B125
3751826	WNMG080408MN KCP40	B157
3751828	CNMG120408RP KCP40	B53
3751829	CNMG120412RP KCP40	B53
3751830	CNMG160612RP KCP40	B53
3751833	CNMM120408RP KCP40	B56
3751837	CNMM160612RP KCP40	B56
3751847	SNMG120412RP KCP40	B101
3751848	SNMG150612RP KCP40	B101
3751850	SNMG190616RP KCP40	B101
3751854	SNMM190612RP KCP40	B103
3751855	SNMM190616RP KCP40	B103
3751856	SNMM250724RP KCP40	B103
3751858	TNMG220412RP KCP40	B128
3751859	TNMG330924RP KCP40	B128
3751862	CNMG120408RP KCK05	B53
3751873	CNMG120404UN KCK05	B54
3751874	CNMG120408UN KCK05	B54
3751875	CNMG120412UN KCK05	B54
3751882	CNMG190616UN KCK05	B54
3751896	CNMA120408 KCK05	B47
3751898	CNMA120412 KCK05	B47
3751899	CNMA120416 KCK05	B47
3751906	CNMA190612 KCK05	B47
3751908	TNMG160408UN KCK05	B128
3751909	DNMA110408 KCK05	B75
3751910	DNMA150408 KCK05	B75
3751911	TNMG160412UN KCK05	B128
3751912	DNMA150412 KCK05	B75
3751915	DNMA150608 KCK05	B75
3751931	TNMA220408 KCK05	B123
3751934	VNMA160408 KCK05	B144
3751938	WNMA080408 KCK05	B155
3751944	CNMG090308FN KCK05	B49
3751945	CNMG120404FN KCK05	B49
3751946	CNMG120408FN KCK05	B49
3751950	DNMG110404FN KCK05	B77
3751951	WNMG080412UN KCK05	B160
3751952	DNMG110408FN KCK05	B77
3751955	DNMG150404FN KCK05	B77
3751956	DNMG150408FN KCK05	B77
3751957	DNMG150408UN KCK05	B82
3751958	DNMG150412FN KCK05	B77
3751959	DNMG150604FN KCK05	B77
3751960	DNMG150608FN KCK05	B77
3751961	DNMG150612FN KCK05	B77
3751963	SNMG090308FN KCK05	B97
3751964	SNMG120404FN KCK05	B97
3751970	TNMG160404FN KCK05	B124
3751971	TNMG160408FN KCK05	B124
3751972	TNMG160412FN KCK05	B124
3751974	VNMG160404FN KCK05	B145
3751975	VNMG160408FN KCK05	B145
3751976	WNMG060404FN KCK05	B155
3751978	WNMG080404FN KCK05	B155
3751979	WNMG080408FN KCK05	B155
3751980	CCMT060204LF KCK05	B177
3751981	CCMT09T304LF KCK05	B177
3751982	CCMT09T308LF KCK05	B177
3751985	DCMT11T304LF KCK05	B207
3751986	CCMT060208LF KCK15	B177
3751987	CCMT120408LF KCK15	B177
3751988	CPMT060204LF KCK15	B190
3751989	CPMT060208LF KCK15	B190
3751991	CPMT09T308LF KCK15	B190
3751992	DCMT11T308LF KCK15	B207
3752013	SCMT09T308LF KCK15	B230
3752014	SCMT120408LF KCK15	B230
3752015	SPMT09T308LF KCK15	B238
3752016	TCMT110204LF KCK15	B244
3752017	TCMT110208LF KCK15	B244
3752018	TCMT16T304LF KCK15	B244
3752019	TCMT16T308LF KCK15	B244
3752020	TCMT16T312LF KCK15	B244
3752021	TPMT090204LF KCK15	B255
3752024	TPMT16T304LF KCK15	B255
3752025	TPMT16T308LF KCK15	B255
3752026	VBMT160404LF KCK15	B265
3752027	VBMT160408LF KCK15	B265
3752028	CCMT060204MF KCK15	B177
3752029	CCMT09T304MF KCK15	B177
3752030	CCMT09T312MF KCK15	B177
3752031	CCMT120412MF KCK15	B177
3752032	CPMT060208MF KCK15	B190
3752033	CPMT09T308MF KCK15	B190
3752035	DCMT11T304MF KCK15	B208
3752036	DCMT11T308MF KCK15	B208
3752037	DCMT11T312MF KCK15	B208
3752039	SCMT09T308MF KCK15	B231
3752040	SCMT120408MF KCK15	B231
3752041	SCMT120412MF KCK15	B231
3752042	SPMT09T308MF KCK15	B239
3752043	SPMT120408MF KCK15	B239
3752044	TCMT110208MF KCK15	B245
3752045	TCMT16T308MF KCK15	B245
3752047	TPMT110208MF KCK15	B255
3752048	TPMT16T308MF KCK15	B255
3752049	TPMT16T312MF KCK15	B255
3752050	CNMG120412RP KCK15	B53
3752052	CNMG160612RP KCK15	B53
3752053	CNMG190612RP KCK15	B53
3752057	DNMG150612RP KCK15	B81
3752058	RCMT1204M0RP KCK15	B226
3752059	RCMT1606M0RP KCK15	B226
3752061	SNMG120412RP KCK15	B101
3752066	TNMG220416RP KCK15	B128
3752067	VNMG160408RP KCK15	B147
3752068	VNMG160412RP KCK15	B147
3752069	WNMG080408RP KCK15	B159
3752070	WNMG080412RP KCK15	B159
3752072	CCMT060208LF KCK05	B177
3752074	CPMT060204LF KCK05	B190
3752075	CPMT060208LF KCK05	B190
3752076	CPMT09T304LF KCK05	B190
3752077	CPMT09T308LF KCK05	B190
3752079	DCMT11T308LF KCK05	B207
3752083	DPMT070204LF KCK05	B215
3752084	DPMT11T304LF KCK05	B215
3752086	SCMT09T304LF KCK05	B230
3752087	SCMT09T308LF KCK05	B230
3752089	SCMT120408LF KCK05	B230
3752093	TCMT110204LF KCK05	B244
3752094	TCMT110208LF KCK05	B244
3752095	TCMT16T304LF KCK05	B244
3752099	TPMT090204LF KCK05	B255
3752102	TPMT16T304LF KCK05	B255
3752103	TPMT16T308LF KCK05	B255
3752106	VBMT110304LF KCK05	B265
3752107	VBMT110308LF KCK05	B265
3752109	VBMT160408LF KCK05	B265
3752110	VBMT160412LF KCK05	B265
3752113	WPMT06T308LF KCK05	B272
3752114	CNMG120412RP KCK05	B53
3752115	CNMG160612RP KCK05	B53
3752117	DNMG150408RP KCK05	B81
3752119	DNMG150612RP KCK05	B81
3752121	SNMG120412RP KCK05	B101
3752122	TNMG160408RP KCK05	B128
3752124	WNMG080408RP KCK05	B159
3752125	WNMG080412RP KCK05	B159
3752127	CNMA120404 KCK15	B47
3752128	CNMA120408 KCK15	B47
3752129	CNMA120412 KCK15	B47
3752130	CNMA120416 KCK15	B47
3752131	CNMA160608 KCK15	B47
3752132	CNMA160612 KCK15	B47
3752143	CNMA160616 KCK15	B47
3752144	CNMA190612 KCK15	B47
3752145	DNMA150408 KCK15	B75
3752146	DNMA150412 KCK15	B75
3752147	DNMA150608 KCK15	B75
3752152	SNMA120412 KCK15	B96
3752157	TNMA160408 KCK15	B123
3752158	TNMA160412 KCK15	B123
3752159	TNMA160416 KCK15	B123
3752163	TNMA270616 KCK15	B123
3752164	VNMA160408 KCK15	B144
3752165	WNMA060408 KCK15	B155
3752167	WNMA080408 KCK15	B155
3752168	WNMA080412 KCK15	B155
3752170	CCMT060204LF KCK15	B177
3752171	CCMT09T304LF KCK15	B177
3752172	CCMT09T308LF KCK15	B177
3752173	DCMT11T304LF KCK15	B207
3752174	CCMT09T308MF KCK15	B177
3752175	CCMT120408MF KCK15	B177
3752176	CNMG120408RP KCK15	B53
3752177	CNMG120404UN KCK15	B54
3752178	CNMG120408UN KCK15	B54
3752179	CNMG120412UN KCK15	B54
3752181	CNMG160608UN KCK15	B54
3752182	CNMG160612UN KCK15	B54
3752183	CNMG160616UN KCK15	B54
3752184	CNMG190608UN KCK15	B54
3752185	CNMG190612UN KCK15	B54
3752186	CNMG190616UN KCK15	B54
3752187	DNMG110408UN KCK15	B82
3752188	DNMG110412UN KCK15	B82
3752189	DNMG150408UN KCK15	B82
3752192	DNMG150608UN KCK15	B82
3752193	DNMG150612UN KCK15	B82
3752196	SNMG120408UN KCK15	B102
3752200	SNMG150616UN KCK15	B102
3752201	SNMG190612UN KCK15	B102
3752203	TNMG160408UN KCK15	B128
3752207	TNMG220412UN KCK15	B128
3752209	VNMG160404UN KCK15	B147
3752210	VNMG160408UN KCK15	B147
3752211	WNMG060408UN KCK15	B160
3752213	WNMG080404UN KCK15	B160
3752214	WNMG080408UN KCK15	B160
3752215	WNMG080412UN KCK15	B160
3753009	B291A05600YPL KC7315	G94
3753162	DNMG110404FF KCP10	B76
3753203	DNMG150408FF KCP10	B76
3753206	WNMG060404FF KCP10	B155
3753207	WNMG060408FF KCP10	B155
3753208	WNMG080408FF KCP10	B155
3753209	CNMG090304FN KCP10	B49
3753210	CNMG090308FN KCP10	B49
3753211	CNMG120404FN KCP10	B49
3753212	CNMG120408FN KCP10	B49

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3753214	CNMG120416FN KCP10	B49
3753215	DNMG110404FN KCP10	B77
3753216	DNMG110408FN KCP10	B77
3753218	DNMG150404FN KCP10	B77
3753219	DNMG150408FN KCP10	B77
3753221	DNMG150604FN KCP10	B77
3753222	DNMG150608FN KCP10	B77
3753223	DNMG150612FN KCP10	B77
3753225	SNMG090308FN KCP10	B97
3753227	SNMG120408FN KCP10	B97
3753228	SNMG120412FN KCP10	B97
3753229	SNMG120416FN KCP10	B97
3753231	TNMG110308FN KCP10	B124
3753232	TNMG160404FN KCP10	B124
3753233	TNMG160408FN KCP10	B124
3753238	VNMG160404FN KCP10	B145
3753239	VNMG160408FN KCP10	B145
3753240	WNMG060404FN KCP10	B155
3753241	WNMG060408FN KCP10	B155
3753242	WNMG080404FN KCP10	B155
3753243	WNMG080408FN KCP10	B155
3753244	CCMT060204LF KCP10	B177
3753245	CCMT09T304LF KCP10	B177
3753246	CCMT09T308LF KCP10	B177
3753247	CCMT120404LF KCP10	B177
3753248	CCMT120412LF KCP10	B177
3753249	DCMT11T304LF KCP10	B207
3753251	CCMT120408MF KCP10	B177
3753252	CNMG120408MN KCP10	B50
3753253	CNMG120412MN KCP10	B50
3753254	DNMG150408MN KCP10	B78
3753255	DNMG150608MN KCP10	B78
3753256	TNMG160408MN KCP10	B125
3753257	WNMG080408MN KCP10	B157
3753288	CNMG120412RN KCP10	B53
3753292	CNMG160612RN KCP10	B53
3753293	CNMG160616RN KCP10	B53
3753295	CNMG190612RN KCP10	B53
3753298	DNMG150408RN KCP10	B81
3753301	DNMG150608RN KCP10	B81
3753302	DNMG150612RN KCP10	B81
3753303	DNMG150616RN KCP10	B81
3753307	CNMG120408MW KCP10	B52
3753308	RNMG120400RN KCP10	B94
3753311	RNMG250900RN KCP10	B94
3753312	SNMG090412RN KCP10	B101
3753313	SNMG120408RN KCP10	B101
3753314	WNMG080412MW KCP10	B158
3753315	SNMG120412RN KCP10	B101
3753319	CNMM190624RH KCP10	B55
3753321	SNMG150608RN KCP10	B101
3753322	SNMM190616RH KCP10	B102
3753323	SNMM190624RH KCP10	B102
3753325	CNMM120408RM KCP10	B55
3753326	CNMM120412RM KCP10	B55
3753328	CNMM160612RM KCP10	B55
3753329	CNMM160616RM KCP10	B55
3753331	CNMM160624RM KCP10	B55
3753332	CNMM190612RM KCP10	B55
3753333	CNMM190616RM KCP10	B55
3753334	SNMG190616RN KCP10	B101
3753335	DNMM150608RM KCP10	B82
3753336	DNMM150612RM KCP10	B82
3753337	TNMG160408RN KCP10	B127
3753339	SNMM150612RM KCP10	B103
3753341	SNMM150616RM KCP10	B103
3753342	SNMM190612RM KCP10	B103
3753343	SNMM190616RM KCP10	B103
3753347	TNMG220412RN KCP10	B127
3753348	CNMG120408RN KCP10	B53
3753349	CNMG120416RN KCP10	B53
3753351	CNMG120408RP KCP10	B53
3753352	CNMM120408RP KCP10	B56
3753354	TNMG270608RN KCP10	B127
3753356	CNMM160612RP KCP10	B56
3753357	TNMG270612RN KCP10	B127
3753358	CNMM160616RP KCP10	B56
3753360	CNMM190616RP KCP10	B56
3753361	TNMG270616RN KCP10	B127
3753364	DNMM150608RP KCP10	B83
3753367	VNMG160408RN KCP10	B147
3753368	SNMM150616RP KCP10	B103
3753371	VNMG160412RN KCP10	B147
3753372	TNMM220408RP KCP10	B130
3753374	VNMG220408RN KCP10	B147
3753375	TNMM220416RP KCP10	B130
3753376	VNMG220412RN KCP10	B147
3753379	WNMG080408RN KCP10	B159
3753380	WNMG080412RN KCP10	B159
3753381	WNMG080416RN KCP10	B159
3753386	EDPT10T308PDSRGD KC520M	T36, T44
3753387	EDPT10T312PDSRGD KC520M	T36, T44
3753389	CCMT060204MF KCP25	B177
3753390	CCMT09T304MF KCP25	B177
3753391	CCMT09T312MF KCP25	B177
3753413	CCMT120412MF KCP25	B177
3753415	CPMT09T308MF KCP25	B190
3753416	CPMT09T312MF KCP25	B190
3753417	EDCT10T308PDERLD KC510M	T35, T43
3753418	DCMT11T304MF KCP25	B208
3753419	DCMT11T308MF KCP25	B208
3753421	DPMT11T308MF KCP25	B215
3753422	SCMT09T308MF KCP25	B231
3753423	SCMT120408MF KCP25	B231
3753424	SCMT120412MF KCP25	B231
3753425	SPMT09T308MF KCP25	B239
3753426	SPMT120408MF KCP25	B239
3753427	TCMT110208MF KCP25	B245
3753428	TCMT16T308MF KCP25	B245
3753430	TPMT110208MF KCP25	B255
3753431	TPMT16T308MF KCP25	B255
3753432	TPMT16T312MF KCP25	B255
3753434	CNMG090308MN KCP25	B50
3753435	CNMG090312MN KCP25	B50
3753436	CNMG120404MN KCP25	B50
3753437	CNMG120416MN KCP25	B50
3753438	CNMG160608MN KCP25	B50
3753439	CNMG160612MN KCP25	B50
3753440	CNMG160616MN KCP25	B50
3753441	CNMG190608MN KCP25	B50
3753442	CNMG190612MN KCP25	B50
3753443	CNMG190616MN KCP25	B50
3753444	DNMG110404MN KCP25	B78
3753445	DNMG110408MN KCP25	B78
3753446	DNMG110412MN KCP25	B78
3753447	DNMG150404MN KCP25	B78
3753448	DNMG150412MN KCP25	B78
3753450	DNMG150604MN KCP25	B78
3753451	DNMG150612MN KCP25	B78
3753453	SNMG090308MN KCP25	B98
3753454	SNMG090312MN KCP25	B98
3753456	SNMG120408MN KCP25	B98
3753457	SNMG120412MN KCP25	B98
3753458	SNMG120416MN KCP25	B98
3753459	SNMG150612MN KCP25	B98
3753462	SNMG190616MN KCP25	B98
3753463	TNMG160404MN KCP25	B125
3753464	TNMG160412MN KCP25	B125
3753465	TNMG220404MN KCP25	B125
3753466	TNMG220408MN KCP25	B125
3753467	TNMG220412MN KCP25	B125
3753469	VNMG160404MN KCP25	B145
3753470	VNMG160408MN KCP25	B145
3753471	VNMG160412MN KCP25	B145
3753472	WNMG060404MN KCP25	B157
3753473	WNMG060408MN KCP25	B157
3753474	WNMG060412MN KCP25	B157
3753475	WNMG080412MN KCP25	B157
3753476	WNMG080416MN KCP25	B157
3753477	CNMP120404K KCP25	B57
3753478	CNMP120408K KCP25	B57
3753481	DNMP150404K KCP25	B83
3753482	DNMP150408K KCP25	B83
3753483	DNMP150412K KCP25	B83
3753484	SNMP120408K KCP25	B104
3753487	TNMP160408K KCP25	B130
3753489	TNMP220408K KCP25	B130
3753491	VNMP160404K KCP25	B148
3753494	VNMP160408K KCP25	B148
3753502	SNMG250924RM KCP25	B100
3753504	CNMG120412RN KCP25	B53
3753505	CNMG160608RN KCP25	B53
3753506	CNMG160612RN KCP25	B53
3753507	CNMG160616RN KCP25	B53
3753508	CNMG190608RN KCP25	B53
3753509	CNMG190612RN KCP25	B53
3753510	CNMG190616RN KCP25	B53
3753511	CNMG190624RN KCP25	B53
3753512	DNMG150408RN KCP25	B81
3753513	DNMG150412RN KCP25	B81
3753514	DNMG150416RN KCP25	B81
3753515	DNMG150608RN KCP25	B81
3753516	DNMG150612RN KCP25	B81
3753517	DNMG150616RN KCP25	B81
3753518	DNMG190608RN KCP25	B81
3753519	DNMG190612RN KCP25	B81
3753520	RNMG090300RN KCP25	B94
3753523	RNMG190600RN KCP25	B94
3753525	RNMG250900RN KCP25	B94
3753526	SNMG120408RN KCP25	B101
3753527	SNMG120412RN KCP25	B101
3753528	SNMG120416RN KCP25	B101
3753529	SNMG150608RN KCP25	B101
3753530	SNMG150612RN KCP25	B101
3753531	SNMG150616RN KCP25	B101
3753543	SNMG190612RN KCP25	B101
3753544	SNMG190616RN KCP25	B101
3753545	SNMG190624RN KCP25	B101
3753546	TNMG160408RN KCP25	B127
3753547	TNMG160412RN KCP25	B127
3753548	TNMG220408RN KCP25	B127
3753549	TNMG220412RN KCP25	B127
3753550	TNMG220416RN KCP25	B127
3753551	TNMG270608RN KCP25	B127
3753552	TNMG270612RN KCP25	B127
3753553	TNMG270616RN KCP25	B127
3753554	TNMG330924RN KCP25	B127
3753555	VNMG160408RN KCP25	B147
3753556	VNMG160412RN KCP25	B147
3753557	VNMG220408RN KCP25	B147
3753558	VNMG220412RN KCP25	B147
3753559	WNMG060408RN KCP25	B159
3753560	WNMG060412RN KCP25	B159
3753561	WNMG080408RN KCP25	B159
3753562	WNMG080412RN KCP25	B159
3753563	WNMG080416RN KCP25	B159
3753592	EDPT10T304PDERHD KC520M	T36, T43
3753593	EDPT10T308PDERHD KC520M	T36, T43
3753594	EDPT10T312PDERHD KC520M	T36, T43
3753608	CNMG120412RN KCP30	B53
3753609	CNMG160608RN KCP30	B53
3753610	CNMG160612RN KCP30	B53
3753611	CNMG190612RN KCP30	B53
3753612	CNMG190616RN KCP30	B53
3753633	CNMG190624RN KCP30	B53
3753636	DNMG150608RN KCP30	B81
3753637	DNMG150612RN KCP30	B81
3753639	DNMG190608RN KCP30	B81
3753640	DNMG190612RN KCP30	B81
3753641	RNMG120400RN KCP30	B94
3753642	RNMG150600RN KCP30	B94
3753650	SNMG190608RN KCP30	B101
3753653	SNMG190624RN KCP30	B101
3753654	TNMG160408RN KCP30	B127
3753655	TNMG160412RN KCP30	B127
3753656	TNMG220408RN KCP30	B127
3753658	TNMG270608RN KCP30	B127
3753662	VNMG220408RN KCP30	B147
3753663	VNMG220412RN KCP30	B147
3753664	WNMG080408RN KCP30	B159
3753665	WNMG080412RN KCP30	B159
3753699	CNMG120404FN KCP25	B49
3753700	CNMG120408FN KCP25	B49
3753701	CNMG120412FN KCP25	B49
3753702	CNMG120416FN KCP25	B49
3753705	DNMG150404FN KCP25	B77
3753706	DNMG150408FN KCP25	B77
3753707	DNMG150604FN KCP25	B77
3753708	DNMG150608FN KCP25	B77
3753709	DNMG150612FN KCP25	B77
3753713	SNMG120412FN KCP25	B97
3753714	TNMG110304FN KCP25	B124
3753715	TNMG110308FN KCP25	B124
3753716	TNMG160404FN KCP25	B124
3753717	TNMG160408FN KCP25	B124
3753718	TNMG160412FN KCP25	B124
3753719	TNMG220404FN KCP25	B124
3753720	TNMG220408FN KCP25	B124
3753721	TNMG220412FN KCP25	B124
3753722	VNMG160404FN KCP25	B145
3753723	VNMG160408FN KCP25	B145
3753724	WNMG060408FN KCP25	B155
3753726	WNMG080408FN KCP25	B155
3753727	CCMT060204LF KCP25	B177
3753728	CCMT09T304LF KCP25	B177
3753729	CCMT09T308LF KCP25	B177
3753730	CCMT120404LF KCP25	B177
3753732	DCMT11T304LF KCP25	B207
3753733	CCMT09T308MF KCP25	B177
3753734	CCMT120408MF KCP25	B177
3753735	RCMT0602M0 KCP30	B224
3753737	RCMT10T3M0 KCP30	B224
3753739	CCMT060208LF KCP30	B177
3753742	CPMT060208LF KCP30	B190
3753743	CPMT09T304LF KCP30	B190
3753744	CPMT09T308LF KCP30	B190
3753745	DCMT070204LF KCP30	B207
3753750	SCMT09T304LF KCP30	B230
3753751	SCMT09T308LF KCP30	B230
3753752	SCMT120404LF KCP30	B230
3753753	SCMT120408LF KCP30	B230
3753754	TCMT110204LF KCP30	B244
3753755	TCMT110208LF KCP30	B244
3753757	TCMT16T308LF KCP30	B244
3753760	VBMT160404LF KCP30	B265
3753761	VBMT160408LF KCP30	B265
3753762	CCMT060204MF KCP30	B177
3753763	CCMT09T304MF KCP30	B177
3753765	DCMT11T304MF KCP30	B208
3753766	DCMT11T308MF KCP30	B208
3753767	SCMT120408MF KCP30	B231
3753768	SPMT120408MF KCP30	B239
3753769	TCMT16T308MF KCP30	B245
3753770	TPMT16T308MF KCP30	B255
3753771	CNMG090304MN KCP30	B50
3753772	CNMG090308MN KCP30	B50
3753773	CNMG120404MN KCP30	B50
3753774	CNMG160608MN KCP30	B50
3753775	CNMG160612MN KCP30	B50
3753776	CNMG190608MN KCP30	B50
3753777	CNMG190612MN KCP30	B50
3753778	CNMG190616MN KCP30	B50
3753779	DNMG110404MN KCP30	B78
3753780	DNMG110408MN KCP30	B78
3753781	DNMG150404MN KCP30	B78
3753782	DNMG150604MN KCP30	B78
3753783	DNMG190612MN KCP30	B78
3753784	SNMG090308MN KCP30	B98
3753786	SNMG120408MN KCP30	B98
3753787	SNMG120412MN KCP30	B98
3753789	TNMG160404MN KCP30	B125
3753791	TNMG220404MN KCP30	B125
3753793	TNMG220412MN KCP30	B125
3753794	VNMG160404MN KCP30	B145
3753795	VNMG160408MN KCP30	B145
3753796	VNMG160412MN KCP30	B145
3753797	WNMG060408MN KCP30	B157
3753798	CNMG120412RP KCP30	B53
3753799	CNMG160612RP KCP30	B53
3753801	CNMG190612RP KCP30	B53
3753802	CNMG190616RP KCP30	B53
3753804	DNMG150412RP KCP30	B81
3753805	DNMG150608RP KCP30	B81
3753810	RCMX2507M0RP KCP30	B226
3753812	SNMG120412RP KCP30	B101
3753816	TNMG160408RP KCP30	B128
3753819	TNMG220432RP KCP30	B128
3753821	CNMG120408MN KCP25	B50
3753822	WNMG080412RP KCP30	B159
3753823	CNMG120412MN KCP25	B50
3753825	DNMG150408MN KCP25	B78
3753827	DNMG150608MN KCP25	B78

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3753828	TNMG160408MN KCP25	B125
3753829	WNMG080408MN KCP25	B157
3753830	CNMG120408MW KCP25	B52
3753831	WNMG080412MW KCP25	B158
3753832	CNMM190612RH KCP25	B55
3753834	CNMM190624RH KCP25	B55
3753836	SNMM190616RH KCP25	B102
3753837	SNMM190624RH KCP25	B102
3753867	CCMT09T308MW KCK20	B178
3753871	CPMT09T308MW KCK20	B191
3753875	CNMG120412RP KCK20	B53
3753877	CNMG160608RP KCK20	B53
3753878	CNMG160612RP KCK20	B53
3753879	CNMG160616RP KCK20	B53
3753884	DNMG150408RP KCK20	B81
3753887	DNMG150608RP KCK20	B81
3753888	DNMG150612RP KCK20	B81
3753891	SNMG120408RP KCK20	B101
3753892	SNMG120412RP KCK20	B101
3753897	SNMG190616RP KCK20	B101
3753898	TNMG160408RP KCK20	B128
3753899	TNMG160412RP KCK20	B128
3753904	TNMG220432RP KCK20	B128
3753909	VNMG160412RP KCK20	B147
3753912	WNMG080408RP KCK20	B159
3753923	WNMG080412RP KCK20	B159
3753926	CCMT060208FW KCK20	B176
3753929	CCMT09T308FW KCK20	B176
3753931	CPMT060204FW KCK20	B189
3753932	CPMT060208FW KCK20	B189
3753934	CPMT09T308FW KCK20	B189
3753935	DCMT11T304FW KCK20	B207
3753981	CNMG120408RN KCP40	B53
3753982	CNMG120412RN KCP40	B53
3753993	CNMG120416RN KCP40	B53
3753994	CNMG160612RN KCP40	B53
3753996	CNMG190608RN KCP40	B53
3753997	CNMG190612RN KCP40	B53
3753998	CNMG190616RN KCP40	B53
3753999	DNMG150408RN KCP40	B81
3754004	SNMG120412RN KCP40	B101
3754005	SNMG120416RN KCP40	B101
3754006	SNMG150612RN KCP40	B101
3754008	SNMG190612RN KCP40	B101
3754010	TNMG220408RN KCP40	B127
3754012	TNMG270612RN KCP40	B127
3754014	VNMG220408RN KCP40	B147
3754015	WNMG080408RN KCP40	B159
3754059	RCMT1204M0 KCP30	B224
3754060	CCMT060204LF KCP30	B177
3754061	CCMT09T304LF KCP30	B177
3754062	CCMT09T308LF KCP30	B177
3754343	CCMT120404LF KCP30	B177
3754344	DCMT11T304LF KCP30	B207
3754345	CCMT09T308MF KCP30	B177
3754346	CCMT120408MF KCP30	B177
3754347	CNMG120408MN KCP30	B50
3754349	DNMG150408MN KCP30	B78
3754351	TNMG160408MN KCP30	B125
3754352	WNMG080408MN KCP30	B157
3754363	CNMG120408RN KCP30	B53
3754365	CNMG120408RP KCP30	B53
3754367	CNMM120412RP KCP30	B56
3754374	CNMM190616RH KCP30	B55
3754375	CNMM190624RH KCP30	B55
3754376	SNMM190612RH KCP30	B102
3754377	SNMM190616RH KCP30	B102
3754378	SNMM190624RH KCP30	B102
3754379	CNMM120408RM KCP30	B55
3754383	CNMM160616RM KCP30	B55
3754385	CNMM190616RM KCP30	B55
3754386	CNMM190624RM KCP30	B55
3754388	DNMM150608RM KCP30	B82
3754396	TNMM160408RM KCP30	B129
3754398	TNMM220412RM KCP30	B129
3754399	TNMM270612RM KCP30	B129
3754815	CNMM190612RH KCP40	B55
3754818	CNMM250924RH KCP40	B55
3754819	SNMM190616RH KCP40	B102
3754821	SNMM250724RH KCP40	B102
3754822	SNMM250924RH KCP40	B102
3754856	CNMM190612RM KCP40	B55
3754858	CNMM250924RM KCP40	B55
3754861	DNMM150612RM KCP40	B82
3754863	SNMM190612RM KCP40	B103
3754864	SNMM250924RM KCP40	B103
3755331	WNMG080404FF KCP10	B155
3755332	CNMM250924RH KCP10	B55
3755363	LNUX191940RRH KCP10	E51
3755366	RCMT2006M0RH KCP10	B225
3755367	RCMX2507M0RH KCP10	B225
3755369	SNMM250724RH KCP10	B102
3755370	SNMM250924RH KCP10	B102
3755371	CNMM250924RM KCP10	B55
3755372	SNMM250724RM KCP10	B103
3755475	RCMT1605M0 KCK20	B224
3755479	RCMT120400 KCK20	B224
3755481	CCMT120408LF KCK20	B177
3755482	CPMT060204LF KCK20	B190
3755484	CPMT09T304LF KCK20	B190
3755485	CPMT09T308LF KCK20	B190
3755486	DCMT070204LF KCK20	B207
3755487	DCMT11T308LF KCK20	B207
3755490	DCMT150408LF KCK20	B207
3755491	DPMT070204LF KCK20	B215
3755492	DPMT11T304LF KCK20	B215
3755503	DPMT11T308LF KCK20	B215
3755504	SCMT09T304LF KCK20	B230
3755505	SCMT09T308LF KCK20	B230
3755507	SCMT120408LF KCK20	B230
3755508	SCMT120412LF KCK20	B230
3755509	SPMT09T304LF KCK20	B238
3755510	SPMT09T308LF KCK20	B238
3755511	TCMT110204LF KCK20	B244
3755512	TCMT110208LF KCK20	B244
3755513	TCMT16T304LF KCK20	B244
3755514	TCMT16T308LF KCK20	B244
3755515	TCMT16T312LF KCK20	B244
3755517	TPMT110204LF KCK20	B255
3755520	TPMT16T308LF KCK20	B255
3755522	TPMT220408LF KCK20	B255
3755526	VBMT160408LF KCK20	B265
3755527	VBMT160412LF KCK20	B265
3755528	WPMT040204LF KCK20	B272
3755531	CCMT060204MF KCK20	B177
3755532	CCMT09T304MF KCK20	B177
3755533	CCMT09T312MF KCK20	B177
3755534	CCMT120412MF KCK20	B177
3755535	CPMT060208MF KCK20	B190
3755536	CPMT09T308MF KCK20	B190
3755538	DCMT11T304MF KCK20	B208
3755539	DCMT11T308MF KCK20	B208
3755540	DCMT11T312MF KCK20	B208
3755542	SCMT09T308MF KCK20	B231
3755543	SCMT120408MF KCK20	B231
3755544	SCMT120412MF KCK20	B231
3755545	SPMT09T308MF KCK20	B239
3755546	SPMT120408MF KCK20	B239
3755547	TCMT110208MF KCK20	B245
3755548	TCMT16T308MF KCK20	B245
3755549	TCMT16T312MF KCK20	B245
3755550	TPMT110208MF KCK20	B255
3755551	TPMT16T308MF KCK20	B255
3755552	TPMT16T312MF KCK20	B255
3755565	CCMT060204LF KCM15	B177
3755570	DCMT11T304LF KCM15	B207
3755593	CNMG120408RP KCM15	B53
3755632	CNMM250924RH KCP25	B55
3755635	CPMT060204LF KCM15	B190
3755637	CPMT09T304LF KCM15	B190
3755638	CPMT09T308LF KCM15	B190
3755639	DCMT070204LF KCM15	B207
3755640	DCMT11T308LF KCM15	B207
3755648	SCMT120408LF KCM15	B230
3755649	TCMT110204LF KCM15	B244
3755650	TCMT110208LF KCM15	B244
3755651	TCMT16T304LF KCM15	B244
3755655	TPMT110204LF KCM15	B255
3755657	TPMT16T304LF KCM15	B255
3755659	VBMT110304LF KCM15	B265
3755661	VBMT160404LF KCM15	B265
3755662	VBMT160408LF KCM15	B265
3755664	WPMT06T308LF KCM15	B272
3755670	CPMT09T308MF KCM15	B190
3755672	DCMT11T304MF KCM15	B208
3755673	DCMT11T308MF KCM15	B208
3755677	SCMT120408MF KCM15	B231
3755682	TPMT16T308MF KCM15	B255
3755684	CNMG120404MP KCM15	B51
3755685	CNMG120408MP KCM15	B51
3755686	CNMG120412MP KCM15	B51
3755689	CNMG160612MP KCM15	B51
3755691	CNMG190612MP KCM15	B51
3755693	DNMG110408MP KCM15	B79
3755694	DNMG110412MP KCM15	B79
3755699	DNMG150608MP KCM15	B79
3755700	DNMG150612MP KCM15	B79
3755701	SNMG120408MP KCM15	B98
3755702	SNMG120412MP KCM15	B98
3755704	SNMG150612MP KCM15	B98
3755705	SNMG190612MP KCM15	B98
3755706	TNMG160404MP KCM15	B125
3755707	TNMG160408MP KCM15	B125
3755711	VNMG160404MP KCM15	B146
3755712	VNMG160408MP KCM15	B146
3755714	WNMG060404MP KCM15	B157
3755715	WNMG060408MP KCM15	B157
3755716	WNMG080408MP KCM15	B157
3755717	WNMG080412MP KCM15	B157
3755753	LNUX191940RRH KCP25	E51
3755754	LNUX301940RRH KCP25	E51
3755755	RCMT2006M0RH KCP25	B225
3755756	RCMX2507M0RH KCP25	B225
3755757	RCMX3209M0RH KCP25	B225
3755758	SNMM250724RH KCP25	B102
3755760	SNMM250924RH KCP25	B102
3755761	CNMM250924RM KCP25	B55
3755762	RCMT2006M0RM KCP25	B225
3755763	SNMM250724RM KCP25	B103
3755764	SNMM250924RM KCP25	B103
3755835	B292A08200YPL KC7315	G95
3757585	WNMA060412 KCK20	B155
3757586	CNMG120404UN KCK20	B54
3757587	CNMG120408UN KCK20	B54
3757588	CNMG120412UN KCK20	B54
3757589	CNMG120416UN KCK20	B54
3757590	CNMG160608UN KCK20	B54
3757591	CNMG160612UN KCK20	B54
3757592	CNMG160616UN KCK20	B54
3757593	CNMG190608UN KCK20	B54
3757594	CNMG190612UN KCK20	B54
3757595	CNMG190616UN KCK20	B54
3757596	DNMG110408UN KCK20	B82
3757597	DNMG110412UN KCK20	B82
3757598	DNMG150408UN KCK20	B82
3757600	DNMG150416UN KCK20	B82
3757601	DNMG150608UN KCK20	B82
3757602	DNMG150612UN KCK20	B82
3757603	DNMG150616UN KCK20	B82
3757604	RNMG120400UN KCK20	B94
3757605	SNMG120408UN KCK20	B102
3757606	SNMG120412UN KCK20	B102
3757607	SNMG120416UN KCK20	B102
3757608	SNMG150612UN KCK20	B102
3757609	SNMG150616UN KCK20	B102
3757610	SNMG190612UN KCK20	B102
3757611	SNMG190616UN KCK20	B102
3757612	TNMG160408UN KCK20	B128
3757613	TNMG160412UN KCK20	B128
3757614	TNMG160416UN KCK20	B128
3757615	TNMG220408UN KCK20	B128
3757616	TNMG220412UN KCK20	B128
3757617	TNMG220416UN KCK20	B128
3757618	VNMG160404UN KCK20	B147
3757619	VNMG160408UN KCK20	B147
3757622	WNMG080404UN KCK20	B160
3757623	WNMG080408UN KCK20	B160
3757624	WNMG080412UN KCK20	B160
3757625	WNMG080416UN KCK20	B160
3757726	B966A13400 KC7315	G134
3757916	CCMW09T308 KCK20	B178
3757917	CCMW120408 KCK20	B178
3757918	CCMW120412 KCK20	B178
3757919	SCMW09T304 KCK20	B232
3757920	SCMW09T308 KCK20	B232
3757921	SCMW120408 KCK20	B232
3757922	SCMW120412 KCK20	B232
3757960	DNMG150608RN KCP05	B81
3757961	DNMG150612RN KCP05	B81
3758013	WNMG080412RN KCP05	B159
3758033	DNMG110408RP KCM15	B81
3758035	DNMG150408RP KCM15	B81
3758036	DNMG150608RP KCM15	B81
3758043	TNMG160408RP KCM15	B128
3758046	TNMG270612RP KCM15	B128
3758048	VNMG160408RP KCM15	B147
3758050	WNMG060408RP KCM15	B159
3758051	WNMG080408RP KCM15	B159
3758053	WNMG080412RP KCM15	B159
3758055	CNMG120408UP KCM15	B54
3758056	CNMG120412UP KCM15	B54
3758064	DNMG150404UP KCM15	B82
3758065	DNMG150408UP KCM15	B82
3758068	DNMG150608UP KCM15	B82
3758073	SNMG150612UP KCM15	B102
3758076	TNMG160408UP KCM15	B129
3758080	VNMG160404UP KCM15	B147
3758081	VNMG160408UP KCM15	B147
3758082	VNMG160412UP KCM15	B147
3758084	WNMG080408UP KCM15	B160
3758086	RCMT1204M0 KCM25	B224
3758087	CCMT060204LF KCM25	B177
3758088	CCMT09T304LF KCM25	B177
3758089	CCMT09T308LF KCM25	B177
3758091	CCMT120412LF KCM25	B177
3758092	DCMT11T304LF KCM25	B207
3758093	CCMT09T308MF KCM25	B177
3758094	CCMT120408MF KCM25	B177
3758095	CNMG120408RP KCM25	B53
3758096	CNMM120408RP KCM25	B56
3758099	CNMM160616RP KCM25	B56
3758106	SNMM120412RP KCM25	B103
3758108	SNMM150616RP KCM25	B103
3758110	SNMM190616RP KCM25	B103
3758111	SNMM190624RP KCM25	B103
3758133	CNMA120404 KCK20	B47
3758134	CNMA120408 KCK20	B47
3758135	CNMA120412 KCK20	B47
3758136	CNMA120416 KCK20	B47
3758137	CNMA160608 KCK20	B47
3758138	CNMA160612 KCK20	B47
3758141	CNMA190612 KCK20	B47
3758142	CNMA190616 KCK20	B47
3758143	DNMA150408 KCK20	B75
3758144	DNMA150412 KCK20	B75
3758145	DNMA150608 KCK20	B75
3758146	DNMA150612 KCK20	B75
3758149	SNMA120408 KCK20	B96
3758150	SNMA120412 KCK20	B96
3758152	SNMA150612 KCK20	B96
3758154	SNMA190612 KCK20	B96
3758155	SNMA190616 KCK20	B96
3758156	TNMA160408 KCK20	B123
3758157	TNMA160412 KCK20	B123
3758158	TNMA160416 KCK20	B123
3758162	VNMA160408 KCK20	B144
3758163	WNMA080408 KCK20	B155
3758164	WNMA080412 KCK20	B155
3758165	WNMA080416 KCK20	B155
3758166	RCMT1204M0 KCK20	B224
3758167	CCMT060204LF KCK20	B177
3758168	CCMT09T304LF KCK20	B177
3758169	CCMT09T308LF KCK20	B177
3758170	CCMT120404LF KCK20	B177
3758172	DCMT11T304LF KCK20	B207
3758173	CCMT09T308MF KCK20	B177
3758174	CCMT120408MF KCK20	B177
3758175	CNMG120408RP KCK20	B53
3758783	CNMG120404FP KCM15	B49
3758784	CNMG120408FP KCM15	B49
3758785	CNMG120412FP KCM15	B49
3758786	DNMG110404FP KCM15	B77
3758787	DNMG110408FP KCM15	B77
3758788	DNMG150404FP KCM15	B77
3758789	DNMG150408FP KCM15	B77
3758791	DNMG150604FP KCM15	B77
3758792	DNMG150608FP KCM15	B77
3758794	SNMG120404FP KCM15	B97

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3758795	SNMG120408FP KCM15	B97
3758797	TNMG160404FP KCM15	B124
3758798	TNMG160408FP KCM15	B124
3758799	TNMG160412FP KCM15	B124
3758800	TNMG220404FP KCM15	B124
3758801	TNMG220408FP KCM15	B124
3758802	VNMG160404FP KCM15	B145
3758803	VNMG160408FP KCM15	B145
3758804	WNMG060404FP KCM15	B156
3758805	WNMG060408FP KCM15	B156
3758806	WNMG080404FP KCM15	B156
3758807	WNMG080408FP KCM15	B156
3758808	WNMG080412FP KCM15	B156
3758827	CNMM250924RH KCP30	B55
3758828	SNMM250724RH KCP30	B102
3758830	SNMM250924RH KCP30	B102
3758873	SNMM250924RM KCP30	B103
3759083	EDCT10T304PDFR-PCD KD1410	T34
3759084	EDCT10T308PDFR-PCD KD1410	T34
3759595	B291A03100YPL KC7315	G94
3759627	B292A03100YPL KC7315	G94
3759628	B291A03175YPL KC7315	G94
3759629	B291A03200YPL KC7315	G94
3759630	B292A03200YPL KC7315	G94
3759654	B291A03300YPL KC7315	G94
3759655	B292A03300YPL KC7315	G94
3759656	B291A03400YPL KC7315	G94
3759657	B292A03400YPL KC7315	G94
3759661	B291A03500YPL KC7315	G94
3759662	B291A03600YPL KC7315	G94
3759713	B292A03600YPL KC7315	G94
3759714	B291A03700YPL KC7315	G94
3759715	B292A03700YPL KC7315	G94
3759716	B291A03800YPL KC7315	G94
3759717	B292A03800YPL KC7315	G94
3759718	B291A03900YPL KC7315	G94
3759722	B292A03900YPL KC7315	G94
3759763	B291A04100YPL KC7315	G94
3759764	B292A04100YPL KC7315	G94
3760221	CCMT060204LF KCM35	B177
3760254	CCMT09T304LF KCM35	B177
3760257	CCMT09T308LF KCM35	B177
3760261	CCMT09T308MF KCM35	B177
3760262	CCMT120408MF KCM35	B177
3760273	CNMG120408RP KCM35	B53
3760277	SNMM120408RP KCM35	B103
3760279	RCMT0602M0 KCM25	B224
3760280	RCMT0803M0 KCM25	B224
3760281	RCMT10T3M0 KCM25	B224
3760282	RCMT1605M0 KCM25	B224
3760286	RCMT120400 KCM25	B224
3760287	CCMT060208LF KCM25	B177
3760290	CPMT060204LF KCM25	B190
3760291	CPMT060208LF KCM25	B190
3760292	CPMT09T304LF KCM25	B190
3760293	CPMT09T308LF KCM25	B190
3760294	DCMT070204LF KCM25	B207
3760295	DCMT11T308LF KCM25	B207
3760296	DPMT070204LF KCM25	B215
3760298	DPMT11T308LF KCM25	B215
3760299	SCMT09T304LF KCM25	B230
3760300	SCMT09T308LF KCM25	B230
3760302	SCMT120408LF KCM25	B230
3760305	TCMT16T304LF KCM25	B244
3760306	TCMT16T308LF KCM25	B244
3760307	TCMT16T312LF KCM25	B244
3760310	TPMT110208LF KCM25	B255
3760312	TPMT16T308LF KCM25	B255
3760314	VBMT110308LF KCM25	B265
3760315	VBMT160404LF KCM25	B265
3760316	VBMT160408LF KCM25	B265
3760319	CCMT060204MF KCM25	B177
3760320	CCMT09T304MF KCM25	B177
3760324	CPMT09T308MF KCM25	B190
3760326	DCMT11T304MF KCM25	B208
3760327	DCMT11T308MF KCM25	B208
3760329	DPMT11T308MF KCM25	B215
3760330	SCMT09T308MF KCM25	B231
3760331	SCMT120408MF KCM25	B231
3760334	SPMT120408MF KCM25	B239
3760336	TCMT16T308MF KCM25	B245
3760338	TPMT110208MF KCM25	B255
3760341	CNMG090308MP KCM25	B51
3760342	CNMG120404MP KCM25	B51
3760343	CNMG120408MP KCM25	B51
3760344	CNMG120412MP KCM25	B51
3760346	CNMG160608MP KCM25	B51
3760347	CNMG160612MP KCM25	B51
3760349	CNMG190608MP KCM25	B51
3760350	CNMG190612MP KCM25	B51
3760351	CNMG190616MP KCM25	B51
3760352	DNMG110408MP KCM25	B79
3760354	DNMG150404MP KCM25	B79
3760355	DNMG150408MP KCM25	B79
3760356	DNMG150412MP KCM25	B79
3760357	DNMG150604MP KCM25	B79
3760358	DNMG150608MP KCM25	B79
3760360	SNMG120408MP KCM25	B98
3760361	SNMG120412MP KCM25	B98
3760364	SNMG150612MP KCM25	B98
3760365	SNMG150616MP KCM25	B98
3760366	SNMG190612MP KCM25	B98
3760368	RCMT2006M0 KCM25	B224
3760394	CCMT120408LF KCM35	B177
3760395	DCMT070204LF KCM35	B207
3760398	TCMT110204LF KCM35	B244
3760399	TCMT16T304LF KCM35	B244
3760400	TCMT16T308LF KCM35	B244
3760402	VBMT160404LF KCM35	B265
3760403	VBMT160408LF KCM35	B265
3760404	CCMT060204MF KCM35	B177
3760406	CPMT09T308MF KCM35	B190
3760407	DCMT11T308MF KCM35	B208
3760410	SCMT120408MF KCM35	B231
3760411	TCMT16T308MF KCM35	B245
3760413	CNMG120404MP KCM35	B51
3760414	CNMG120408MP KCM35	B51
3760415	CNMG120412MP KCM35	B51
3760416	CNMG160608MP KCM35	B51
3760420	DNMG150404MP KCM35	B79
3760421	DNMG150408MP KCM35	B79
3760422	DNMG150604MP KCM35	B79
3760423	DNMG150608MP KCM35	B79
3760425	SNMG120412MP KCM35	B98
3760426	SNMG120416MP KCM35	B98
3760427	SNMG190612MP KCM35	B98
3760430	TNMG160408MP KCM35	B125
3760431	VNMG160404MP KCM35	B146
3760432	VNMG160408MP KCM35	B146
3760434	WNMG080408MP KCM35	B157
3760435	WNMG080412MP KCM35	B157
3760436	CNMG120412RP KCM35	B53
3760437	CNMG120416RP KCM35	B53
3760438	CNMG160612RP KCM35	B53
3760439	CNMG190612RP KCM35	B53
3760440	CNMG190616RP KCM35	B53
3760441	DNMG150408RP KCM35	B81
3760442	DNMG150412RP KCM35	B81
3760445	SNMG120408RP KCM35	B101
3760447	SNMG150612RP KCM35	B101
3760448	SNMG190612RP KCM35	B101
3760450	TNMG160412RP KCM35	B128
3760451	TNMG270612RP KCM35	B128
3760453	WNMG080408RP KCM35	B159
3760454	WNMG080412RP KCM35	B159
3760455	CNMG120408UP KCM35	B54
3760457	CNMG160608UP KCM35	B54
3760458	CNMG160612UP KCM35	B54
3760459	CNMG190612UP KCM35	B54
3760461	DNMG150408UP KCM35	B82
3760465	SNMG120408UP KCM35	B102
3760466	SNMG120412UP KCM35	B102
3760470	TNMG220408UP KCM35	B129
3760473	WNMG080412UP KCM35	B160
3760968	TNMG160404MP KCM25	B125
3760969	TNMG160408MP KCM25	B125
3760970	TNMG160412MP KCM25	B125
3760971	TNMG220408MP KCM25	B125
3760972	TNMG220412MP KCM25	B125
3760994	VNMG160404MP KCM25	B146
3760995	VNMG160408MP KCM25	B146
3760998	WNMG060408MP KCM25	B157
3760999	WNMG060412MP KCM25	B157
3761000	WNMG080408MP KCM25	B157
3761001	WNMG080412MP KCM25	B157
3761002	CNMG120404RP KCM25	B53
3761003	CNMG120412RP KCM25	B53
3761004	CNMG120416RP KCM25	B53
3761005	CNMG160612RP KCM25	B53
3761006	CNMG160616RP KCM25	B53
3761007	CNMG190612RP KCM25	B53
3761008	CNMG190616RP KCM25	B53
3761009	DNMG150408RP KCM25	B81
3761011	DNMG150608RP KCM25	B81
3761012	DNMG150612RP KCM25	B81
3761014	SNMG120408RP KCM25	B101
3761015	SNMG120412RP KCM25	B101
3761019	SNMG190616RP KCM25	B101
3761020	SNMM250724RP KCM25	B103
3761021	SNMM250924RP KCM25	B103
3761022	TNMG160408RP KCM25	B128
3761023	TNMG160412RP KCM25	B128
3761025	TNMG220408RP KCM25	B128
3761026	TNMG220412RP KCM25	B128
3761027	TNMG220416RP KCM25	B128
3761029	TNMG270616RP KCM25	B128
3761030	TNMG330924RP KCM25	B128
3761031	VNMG160412RP KCM25	B147
3761032	WNMG060408RP KCM25	B159
3761033	WNMG080408RP KCM25	B159
3761034	WNMG080412RP KCM25	B159
3761035	CNMG120404UP KCM25	B54
3761036	CNMG120408UP KCM25	B54
3761037	CNMG120412UP KCM25	B54
3761038	CNMG160608UP KCM25	B54
3761039	CNMG160612UP KCM25	B54
3761041	CNMG190612UP KCM25	B54
3761042	CNMG190616UP KCM25	B54
3761043	DNMG110408UP KCM25	B82
3761045	DNMG150404UP KCM25	B82
3761046	DNMG150408UP KCM25	B82
3761048	DNMG150604UP KCM25	B82
3761052	SNMG120412UP KCM25	B102
3761054	SNMG150612UP KCM25	B102
3761056	TNMG160404UP KCM25	B129
3761057	TNMG160408UP KCM25	B129
3761059	TNMG220408UP KCM25	B129
3761061	VNMG160404UP KCM25	B147
3761062	VNMG160408UP KCM25	B147
3761065	WNMG080408UP KCM25	B160
3761066	WNMG080412UP KCM25	B160
3763185	HNPJ0905ANSNHD KCK15	S19, S24
3763632	HNPJ0905ANSNHD KC520M	S19, S24
3763723	HNPJ0905ANSNHD KC725M	S19, S24
3763724	HNPJ0905ANSNHD KCPK30	S19, S24
3763725	HNPJ0905ANSNGD KCK15	S19, S23
3763726	HNPJ0905ANSNGD KC520M	S19, S23
3763727	HNPJ0905ANSNGD KC725M	S19, S23
3763728	HNPJ0905ANSNGD KCPK30	S19, S23
3763729	HNPJ090543ANSNHD KCK15	S19, S24
3763730	HNPJ090543ANSNHD KC725M	S19, S24
3763731	HNPJ090543ANSNHD KCPK30	S19, S24
3764792	CNMA120408S02020 KB1340	B289
3764823	B292A06600YPL KC7315	G95
3764824	B292A10100YPL KC7315	G95
3764833	CNMA120412S02020 KB1340	B289
3764836	CNMN120408S02020 KB1340	B284
3764837	CNMN120412S02020 KB1340	B284
3764838	DNMA110408S02020 KB1340	B289
3764839	DNMA110412S02020 KB1340	B289
3764840	RNMN090300S02020 KB1340	B285
3764841	RNMN120300S02020 KB1340	B285
3764842	RNMN120400S02020 KB1340	B285
3764844	SNMA120412S02020 KB1340	B289
3764845	SNMN090308S02020 KB1340	B286
3764847	SNMN090316S02020 KB1340	B286
3764850	SNMN120316S02020 KB1340	B286
3764851	SNMN120416T02020 KB1340	B286
3765830	EDCT10T320PDFRLDJ KC410M	T35, T42
3765831	EDCT10T320PDERLDJ KC422M	T35, T43
3766023	EDCT10T320PDERLD KC725M	T35, T43
3766024	EDCT10T320PDERLD KCPK30	T35, T43
3766027	EDCT10T324PDERLDJ KC422M	T35, T43
3766028	EDCT10T324PDERLD KC522M	T35, T43
3766029	EDCT10T324PDERLD KC725M	T35, T43
3766820	RIQ09E1306 KC6305	K55
3767813	OFKT06L5AFFNLBJ KC410M	S49
3767814	OFKT06L5AFENLBJ KC422M	S49
3768928	CCMT060204FP KCP05	B176
3768930	CCMT09T304FP KCP05	B176
3768936	CCMT060202FP KCP10	B176
3768937	CCMT060204FP KCP10	B176
3768940	CCMT09T308FP KCP10	B176
3768970	DCMT070208FP KCP05	B207
3768971	DCMT11T304FP KCP05	B207
3768972	DCMT11T308FP KCP05	B207
3768973	DCMT150408FP KCP05	B207
3768984	TCMT110308FP KCP05	B244
3768985	TCMT110312FP KCP05	B244
3768989	TCMT220408FP KCP05	B244
3768996	VBMT160404FP KCP05	B265
3768997	VBMT160408FP KCP05	B265
3769003	CCMT120412FP KCP10	B176
3769005	CPMT060202FP KCP10	B189
3769006	CPMT060204FP KCP10	B189
3769008	CPMT09T304FP KCP10	B189
3769009	CPMT09T308FP KCP10	B189
3769010	DCMT070204FP KCP10	B207
3769012	DCMT11T304FP KCP10	B207
3769013	DCMT11T308FP KCP10	B207
3769014	DCMT11T312FP KCP10	B207
3769015	DCMT150404FP KCP10	B207
3769017	DPMT070204FP KCP10	B214
3769018	DPMT11T304FP KCP10	B214
3769020	SCMT09T304FP KCP10	B230
3769021	SCMT09T308FP KCP10	B230
3769026	TCMT110204FP KCP10	B244
3769028	TCMT16T304FP KCP10	B244
3769029	TCMT16T308FP KCP10	B244
3769030	TCMT16T312FP KCP10	B244
3769033	TPMT110204FP KCP10	B254
3769035	TPMT16T304FP KCP10	B254
3769036	TPMT16T308FP KCP10	B254
3769037	VBMT110304FP KCP10	B265
3769038	VBMT160404FP KCP10	B265
3769039	VBMT160408FP KCP10	B265
3769050	CCMT060204FP KTP10	B176
3769051	CCMT060208FP KTP10	B176
3769052	CCMT09T302FP KTP10	B176
3769053	CCMT09T304FP KTP10	B176
3769054	CCMT09T308FP KTP10	B176
3769055	CPMT060202FP KTP10	B189
3769056	CPMT060204FP KTP10	B189
3769057	CPMT060208FP KTP10	B189
3769060	CPMT09T308FP KTP10	B189
3769061	DCMT070202FP KTP10	B207
3769063	DCMT11T302FP KTP10	B207
3769064	DCMT11T304FP KTP10	B207
3769065	DCMT11T308FP KTP10	B207
3769066	DPMT070204FP KTP10	B214
3769068	DPMT11T308FP KTP10	B214
3769069	SCMT09T308FP KTP10	B230
3769071	TCMT110202FP KTP10	B244
3769072	TCMT110204FP KTP10	B244
3769076	TCMT16T308FP KTP10	B244
3769082	VBMT110304FP KTP10	B265
3769083	VBMT160402FP KTP10	B265
3769084	VBMT160404FP KTP10	B265
3769085	VBMT160408FP KTP10	B265
3769093	CCMT060202FP KCP25	B176
3769094	CCMT060204FP KCP25	B176
3769095	CCMT060204FP KCM15	B176
3769096	CCMT060208FP KCP25	B176
3769097	CCMT09T302FP KCP25	B176
3769099	CCMT09T304FP KCM15	B176
3769103	CCMT09T304FP KCP25	B176
3769106	CCMT09T308FP KCP25	B176
3769107	CPMT09T304FP KCM15	B189
3769109	DCMT070204FP KCM15	B207
3769111	DCMT11T304FP KCM15	B207
3769112	DCMT11T308FP KCM15	B207

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3769114	DPMT070204FP KCM15	B214
3769118	SCMT09T308FP KCM15	B230
3769121	CPMT050204FP KCP25	B189
3769122	TCMT110208FP KCM15	B244
3769124	CPMT060202FP KCP25	B189
3769128	CPMT060204FP KCP25	B189
3769130	VBMT110304FP KCM15	B265
3769131	VBMT110308FP KCM15	B265
3769132	CPMT060208FP KCP25	B189
3769133	VBMT160404FP KCM15	B265
3769134	VBMT160408FP KCM15	B265
3769139	DCMT070204FP KCP25	B207
3769140	DCMT070208FP KCP25	B207
3769141	DCMT11T302FP KCP25	B207
3769142	DCMT11T304FP KCP25	B207
3769143	DCMT11T308FP KCP25	B207
3769146	DCMT150408FP KCP25	B207
3769147	DPMT070204FP KCP25	B214
3769148	DPMT11T304FP KCP25	B214
3769150	SCMT09T304FP KCP25	B230
3769151	SCMT09T308FP KCP25	B230
3769152	SCMT120404FP KCP25	B230
3769154	SCMT120412FP KCP25	B230
3769155	SPMT09T304FP KCP25	B238
3769157	TCMT110204FP KCP25	B244
3769158	TCMT110208FP KCP25	B244
3769159	TCMT16T304FP KCP25	B244
3769160	TCMT16T308FP KCP25	B244
3769161	TCMT220408FP KCP25	B244
3769162	TPMT090208FP KCP25	B254
3769163	TPMT110204FP KCP25	B254
3769165	TPMT16T304FP KCP25	B254
3769166	TPMT16T308FP KCP25	B254
3769168	VBMT110302FP KCP25	B265
3769169	VBMT110304FP KCP25	B265
3769170	VBMT110308FP KCP25	B265
3769171	VBMT160402FP KCP25	B265
3769172	VBMT160404FP KCP25	B265
3769173	VBMT160408FP KCP25	B265
3769174	VBMT160412FP KCP25	B265
3769175	WCMT06T308FP KCP25	B270
3769176	WPMT040204FP KCP25	B272
3769178	WPMTS3T104FP KCP25	B272
3769203	CCMT060202FP KCM25	B176
3769204	CCMT060204FP KCM25	B176
3769205	CCMT060208FP KCM25	B176
3769206	CCMT09T302FP KCM25	B176
3769207	CCMT09T304FP KCM25	B176
3769208	CCMT09T308FP KCM25	B176
3769210	CCMT120408FP KCM25	B176
3769223	CPMT060202FP KCM25	B189
3769224	CPMT060204FP KCM25	B189
3769226	CPMT09T302FP KCM25	B189
3769227	CPMT09T304FP KCM25	B189
3769228	CPMT09T308FP KCM25	B189
3769229	DCMT070202FP KCM25	B207
3769230	DCMT070204FP KCM25	B207
3769231	DCMT070208FP KCM25	B207
3769232	DCMT11T302FP KCM25	B207
3769233	DCMT11T304FP KCM25	B207
3769234	DCMT11T308FP KCM25	B207
3769235	DCMT150404FP KCM25	B207
3769236	DCMT150408FP KCM25	B207
3769240	SCMT09T304FP KCM25	B230
3769243	SCMT120408FP KCM25	B230
3769248	TCMT110204FP KCM25	B244
3769251	TCMT16T308FP KCM25	B244
3769253	TCMT220408FP KCM25	B244
3769257	TPMT16T304FP KCM25	B254
3769260	VBMT110304FP KCM25	B265
3769262	VBMT160402FP KCM25	B265
3769283	VBMT160404FP KCM25	B265
3769284	VBMT160408FP KCM25	B265
3769285	WPMT040204FP KCM25	B272
3769290	CCMT060202FP KCU10	B176
3769291	CCMT060204FP KCU10	B176
3769292	CCMT060208FP KCU10	B176
3769310	CPMT060204FP KCK20	B189
3769320	SCMT09T308FP KCK20	B230
3769334	TPMT16T304FP KCK20	B254
3769337	VBMT160408FP KCK20	B265
3769343	CCMT09T302FP KCU10	B176
3769344	CCMT09T304FP KCU10	B176
3769345	CCMT120404FP KCU10	B176
3769346	CCMT120408FP KCU10	B176
3769347	CPMT050202FP KCU10	B189
3769348	CPMT050204FP KCU10	B189
3769349	CPMT060202FP KCU10	B189
3769350	CPMT060204FP KCU10	B189
3769352	CPMT09T302FP KCU10	B189
3769353	CPMT09T304FP KCU10	B189
3769354	CPMT09T308FP KCU10	B189
3769355	DCMT070202FP KCU10	B207
3769356	DCMT070204FP KCU10	B207
3769357	DCMT070208FP KCU10	B207
3769358	DCMT11T302FP KCU10	B207
3769359	DCMT11T304FP KCU10	B207
3769360	DCMT11T308FP KCU10	B207
3769363	DCMT150408FP KCU10	B207
3769364	DPMT070202FP KCU10	B214
3769365	DPMT070204FP KCU10	B214
3769366	DPMT070208FP KCU10	B214
3769368	DPMT11T304FP KCU10	B214
3769369	DPMT11T308FP KCU10	B214
3769370	SCMT09T304FP KCU10	B230
3769371	SCMT09T308FP KCU10	B230
3769372	SCMT120404FP KCU10	B230
3769373	SCMT120408FP KCU10	B230
3769374	SCMT120412FP KCU10	B230
3769375	SPMT09T304FP KCU10	B238
3769376	SPMT09T308FP KCU10	B238
3769377	TCMT090204FP KCU10	B244
3769378	TCMT090208FP KCU10	B244
3769380	TCMT110204FP KCU10	B244
3769381	TCMT110208FP KCU10	B244
3769382	TCMT110304FP KCU10	B244
3769383	TCMT110308FP KCU10	B244
3769384	TCMT110312FP KCU10	B244
3769386	TCMT16T304FP KCU10	B244
3769387	TCMT16T308FP KCU10	B244
3769388	TCMT16T312FP KCU10	B244
3769389	TCMT220408FP KCU10	B244
3769390	TPMT090204FP KCU10	B254
3769391	TPMT090208FP KCU10	B254
3769392	TPMT110202FP KCU10	B254
3769393	TPMT110204FP KCU10	B254
3769394	TPMT110208FP KCU10	B254
3769395	TPMT110304FP KCU10	B254
3769396	TPMT110308FP KCU10	B254
3769397	TPMT16T304FP KCU10	B254
3769401	VBMT110302FP KCU10	B265
3769402	VBMT110304FP KCU10	B265
3769403	VBMT110308FP KCU10	B265
3769404	VBMT160402FP KCU10	B265
3769405	VBMT160404FP KCU10	B265
3769406	VBMT160408FP KCU10	B265
3769407	WCMT040204FP KCU10	B270
3769408	WCMT06T308FP KCU10	B270
3769409	WPMT040204FP KCU10	B272
3769410	WPMT06T304FP KCU10	B272
3769411	WPMT06T308FP KCU10	B272
3769412	WPMTS3T104FP KCU10	B272
3769413	CCMT060202FP KCU25	B176
3769414	CCMT060204FP KCU25	B176
3769415	CCMT060208FP KCU25	B176
3769416	CCMT09T302FP KCU25	B176
3769417	CCMT09T304FP KCU25	B176
3769418	CCMT09T308FP KCU25	B176
3769419	CCMT120404FP KCU25	B176
3769421	CPMT050202FP KCU25	B189
3769422	CPMT050204FP KCU25	B189
3769423	CPMT060202FP KCU25	B189
3769424	CPMT060204FP KCU25	B189
3769427	CPMT09T304FP KCU25	B189
3769428	CPMT09T308FP KCU25	B189
3769430	DCMT070204FP KCU25	B207
3769431	DCMT11T302FP KCU25	B207
3769432	DCMT11T304FP KCU25	B207
3769433	DCMT11T308FP KCU25	B207
3769435	DPMT070204FP KCU25	B214
3769436	DPMT070208FP KCU25	B214
3769438	DPMT11T304FP KCU25	B214
3769440	SCMT09T304FP KCU25	B230
3769441	SCMT09T308FP KCU25	B230
3769444	SPMT09T304FP KCU25	B238
3769446	TCMT090204FP KCU25	B244
3769447	TCMT090208FP KCU25	B244
3769448	TCMT110202FP KCU25	B244
3769449	TCMT110204FP KCU25	B244
3769450	TCMT110208FP KCU25	B244
3769451	TCMT110304FP KCU25	B244
3769452	TCMT110308FP KCU25	B244
3769454	TCMT16T304FP KCU25	B244
3769455	TCMT16T308FP KCU25	B244
3769456	TCMT16T312FP KCU25	B244
3769457	TCMT220408FP KCU25	B244
3769458	TPMT090208FP KCU25	B254
3769460	TPMT110204FP KCU25	B254
3769461	TPMT110304FP KCU25	B254
3769462	TPMT16T304FP KCU25	B254
3769463	TPMT16T308FP KCU25	B254
3769464	VBMT110304FP KCU25	B265
3769465	VBMT110308FP KCU25	B265
3769466	VBMT160402FP KCU25	B265
3769467	VBMT160404FP KCU25	B265
3769468	VBMT160408FP KCU25	B265
3769469	WCMT040204FP KCU25	B270
3773118	M1H20J02R36B20ED10C6	T39
3773119	M1H25J02R46B25ED10C8	T39
3773120	M1H32J02R54B32ED10C10	T39
3773121	M1H32J03R54B32ED10C15	T39
3773122	M1H20J02R36A20ED10C6	T40
3773323	B967A05000 KC7315	G132
3773803	M1H25J02R46A25ED10C8	T40
3773805	M1H32J03R54A32ED10C15	T40
3773806	M1H20J02R28A20ED10C4	T40
3773807	M1H25J02R28A25ED10C4	T40
3773808	M1H32J02R28A32ED10C4	T40
3773809	M1H32J03R28A32ED10C6	T40
3773810	M1H20J02R28M10ED10C4	T38
3773811	M1H25J02R32M12ED10C4	T38
3773813	M1H32J03R40M16ED10C6	T38
3773814	M1H40T03R50A16ED10C12	T41
3773815	M1H40T05R50A16ED10C20	T41
3773816	M1H50T03R60A22ED10C15	T41
3773817	M1H50T05R60A22ED10C25	T41
3774249	HNPJ0905ANSNHD KC522M...	S19, S24
3774250	HNPJ0905ANSNGD KC522M...	S19, S23
3774251	HNPJ090543ANSNHD KC522M...	S19, S24
3774691	A4G0405M04U04GUP KCU25	C92
3774692	A4G0405M04U08GUP KCU25	C92
3774723	A4G0505M05U08GUP KCU25	C92
3774724	A4G0805M08U12GUP KCU25	C92
3774906	SPPX15T508RHP KC7140	J89
3774919	EDPT10T316PDSRGE KC522M...	T36, T44
3774920	EDPT10T316PDSRGE KC725M...	T36, T44
3774921	EDPT10T316PDSRGE KCPK30...	T36, T44
3775003	EDPT10T312PDSRGE KC522M...	T36, T44
3775004	EDPT10T312PDSRGE KC725M...	T36, T44
3775005	EDPT10T312PDSRGE KCPK30...	T36, T44
3775016	EDPT10T308PDSRGE KC522M...	T36, T44
3775017	EDPT10T308PDSRGE KC725M...	T36, T44
3775018	EDPT10T308PDSRGE KCPK30...	T36, T44
3775022	EDPT10T331PDSRGE KC522M...	T36, T44
3775063	EDPT10T331PDSRGE KC725M...	T36, T44
3775064	EDPT10T331PDSRGE KCPK30...	T36, T44
3776430	B291A12900YPL KC7315	G96
3779249	EDPT10T304PDSRGE KC522M...	T36, T44
3779250	EDPT10T304PDSRGE KC725M...	T36, T44
3779251	EDPT10T304PDSRGE KCPK30...	T36, T44
3780360	MS-2071	T14–17, V77–78
3781192	A4G0200M02P02GUP KCU10	C93
3781252	A4G0200M02P02GUP KCU25	C93
3781253	A4G0300M03P02GUP KCU25	C93
3781254	A4G0300M03P04GUP KCU25	C93
3781255	A4G0400M04P02GUP KCU25	C93
3781256	A4G0400M04P04GUP KCU25	C93
3781257	A4G0400M04P08GUP KCU25	C93
3781258	A4G0500M05P04GUP KCU25	C93
3781259	A4G0500M05P08GUP KCU25	C93
3781260	A4G0600M06P04GUP KCU25	C93
3781261	A4G0600M06P08GUP KCU25	C93
3781262	A4G0800M08P08GUP KCU25	C93
3781263	A4G0800M08P12GUP KCU25	C93
3781264	A4G1000M10P08GUP KCU25	C93
3781265	A4G1000M10P12GUP KCU25	C93
3781278	A4G0300M03P02GUP KCU10	C93
3781279	A4G0300M03P04GUP KCU10	C93
3781280	A4G0400M04P02GUP KCU10	C93
3781281	A4G0400M04P04GUP KCU10	C93
3781282	A4G0400M04P08GUP KCU10	C93
3781283	A4G0500M05P04GUP KCU10	C93
3781284	A4G0500M05P08GUP KCU10	C93
3781285	A4G0600M06P04GUP KCU10	C93
3781286	A4G0600M06P08GUP KCU10	C93
3781287	A4G0800M08P08GUP KCU10	C93
3781288	A4G0800M08P12GUP KCU10	C93
3781289	A4G1000M10P08GUP KCU10	C93
3781290	A4G1000M10P12GUP KCU10	C93
3781678	MS1499	B386
3781679	MS1130	B386
3782458	B978A03000 KC7315	G146
3784063	193.523	H102–103
3784064	193.524	H102–103
3784065	193.525	H102–103
3784066	193.526	H102–103
3784326	170.350	H98
3784327	170.353	H98
3784328	170.355	H98–99
3784329	170.356	H98–99
3784330	170.345	H98
3784331	170.346	H98
3784332	170.347	H98–99
3784473	170.348	H99
3784474	FBSCFCR09CA06F	K111
3784475	FBSCFCL09CA06F	K111
3784476	FBSCLCR09CA06F	K111
3784477	FBSCLCL09CA06F	K111
3787461	RPGX060400MP KCS10	B167
3787462	RPGX090700MP KCS10	B167
3787483	RPGX120700MP KCS10	B167
3787484	RCGX060400MP KCS10	B166
3787486	RCGX120700MP KCS10	B166
3787488	RPGT060400MP KCS10	B229
3787492	RCMT0803M0MP KCS10	B224
3787503	RCMT10T3M0MP KCS10	B224
3787504	RCMT120400MP KCS10	B224
3787505	RCMT1606M0MP KCS10	B224
3787507	RCMK060400MP KCS10	E64
3787508	RCMK090700MP KCS10	E64
3787509	RCMK120800MP KCS10	E64
3787512	RCGH120400MP KCS10	B222
3790401	KTIP210R3SS25M	H31
3790402	KTIP220R3SS25M	H31
3790443	KTIP230R3SS25M	H31
3790444	KTIP240R3SS25M	H31
3790445	KTIP250R3SS32M	H31
3790446	KTIP210R3SCF25M	H32
3790447	KTIP220R3SCF25M	H32
3790448	KTIP230R3SCF25M	H32
3790449	KTIP240R3SCF25M	H32
3790450	KTIP250R3SCF25M	H32
3790451	KTIP210R5SS25M	H31
3790452	KTIP220R5SS25M	H31
3790453	KTIP230R5SS25M	H31
3790454	KTIP240R5SS25M	H31
3790455	KTIP250R5SS32M	H31
3790456	KTIP210R5SCF25M	H32
3790457	KTIP220R5SCF25M	H32
3790458	KTIP230R5SCF25M	H32
3790459	KTIP240R5SCF25M	H32
3790460	KTIP250R5SCF25M	H32
3790461	KTIP210R8SS25M	H31
3790462	KTIP220R8SS25M	H31
3790463	KTIP230R8SS25M	H31
3790464	KTIP240R8SS25M	H31
3790465	KTIP250R8SS32M	H31
3790466	KTIP210R8SCF25M	H32
3790467	KTIP220R8SCF25M	H32
3790468	KTIP230R8SCF25M	H32
3790469	KTIP240R8SCF25M	H32
3790470	KTIP250R8SCF25M	H32
3791263	A4G0205M02U02GUP KCU10	C92
3791265	A4G0305M03U02GUP KCU10	C92
3791266	A4G0305M03U04GUP KCU10	C92
3791267	A4G0405M04U04GUP KCU10	C92
3791268	A4G0405M04U08GUP KCU10	C92

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3791269	A4G0505M05U04GUP KCU10	C92
3791270	A4G0505M05U08GUP KCU10	C92
3791271	A4G0605M06U04GUP KCU10	C92
3791272	A4G0605M06U08GUP KCU10	C92
3791273	A4G0605M06U12GUP KCU10	C92
3791275	A4G0805M08U08GUP KCU10	C92
3791276	A4G0805M08U12GUP KCU10	C92
3791277	A4G1005M10U08GUP KCU10	C92
3791279	A4G0205M02U02GUP KCU25	C92
3791280	A4G0305M03U02GUP KCU25	C92
3791281	A4G0305M03U04GUP KCU25	C92
3791282	A4G0505M05U04GUP KCU25	C92
3791283	A4G0605M06U04GUP KCU25	C92
3791284	A4G0605M06U08GUP KCU25	C92
3791285	A4G0605M06U12GUP KCU25	C92
3791286	A4G0805M08U08GUP KCU25	C92
3791287	A4G1005M10U08GUP KCU25	C92
3791288	A4G1005M10U12GUP KCU25	C92
3791289	A4G0205M02U02GUP KCP10	C92
3791290	A4G0305M03U02GUP KCP10	C92
3791291	A4G0305M03U04GUP KCP10	C92
3791292	A4G0405M04U04GUP KCP10	C92
3791293	A4G0405M04U08GUP KCP10	C92
3791294	A4G0505M05U04GUP KCP10	C92
3791295	A4G0505M05U08GUP KCP10	C92
3791296	A4G0605M06U04GUP KCP10	C92
3791297	A4G0605M06U08GUP KCP10	C92
3791298	A4G0605M06U12GUP KCP10	C92
3791299	A4G0805M08U08GUP KCP10	C92
3791300	A4G0805M08U12GUP KCP10	C92
3791301	A4G1005M10U08GUP KCP10	C92
3791303	A4G0205M02U02GUP KCP25	C92
3791304	A4G0305M03U02GUP KCP25	C92
3791305	A4G0305M03U04GUP KCP25	C92
3791306	A4G0405M04U04GUP KCP25	C92
3791307	A4G0405M04U08GUP KCP25	C92
3791308	A4G0505M05U04GUP KCP25	C92
3791309	A4G0505M05U08GUP KCP25	C92
3791310	A4G0605M06U04GUP KCP25	C92
3791311	A4G0605M06U08GUP KCP25	C92
3791312	A4G0605M06U12GUP KCP25	C92
3791313	A4G0805M08U08GUP KCP25	C92
3791314	A4G0805M08U12GUP KCP25	C92
3791316	A4G1005M10U12GUP KCP25	C92
3791545	B976A11600 KC7315	G141
3793949	KSEMP3320FDS32A1M	H80, H91, H98
3793950	KSEMP3920FDS36A1M	H80, H92, H98
3794291	KSEMP3200FDS32A1M	H80, H91, H98
3794292	KSEMP3400FDS32A1M	H80, H91, H98
3794393	KSEMP3500FDS32A1M	H80, H91, H98
3794394	KSEMP3600FDS36A1M	H80, H92, H98
3794395	KSEMP3700FDS36A1M	H80, H92, H98
3794396	KSEMP3800FDS36A1M	H80, H92, H98
3794397	KSEMP3900FDS36A1M	H80, H92, H98
3794398	KSEMP4000FDS40A1M	H80, H92, H98
3794399	KSEMP4100FDS40A1M	H80, H92, H98
3794400	KSEMP4200FDS40A1M	H80, H92, H98
3794401	KSEMP4300FDS40A1M	H80, H92, H98
3794402	KSEMP4400FDS40A1M	H80, H92, H98
3794403	KSEMP4500FDS45A1M	H81, H92, H98
3794404	KSEMP4600FDS45A1M	H81, H92, H98
3794405	KSEMP4700FDS45A1M	H81, H92, H98
3794406	KSEMP4800FDS45A1M	H81, H92, H98
3794407	KSEMP4900FDS45A1M	H81, H92, H98
3794408	KSEMP5100FDS50A1M	H81, H92, H98
3794409	KSEMP5200FDS50A1M	H81, H92, H98
3794410	KSEMP5300FDS50A1M	H81, H92, H98
3794411	KSEMP5400FDS50A1M	H81, H92, H98
3794412	KSEMP5500FDS50A1M	H81, H92, H98
3794413	KSEMP5600FDS56A1M	H81, H92, H98
3794414	KSEMP5700FDS56A1M	H81, H92, H98
3794415	KSEMP5800FDS56A1M	H81, H92, H98
3794416	KSEMP5900FDS56A1M	H81, H92, H98
3794417	KSEMP6000FDS56A1M	H81, H92, H98
3794418	KSEMP6100FDS56A1M	H81, H92, H98
3794419	KSEMP6200FDS56A1M	H81, H92, H98
3794420	KSEMP6300FDS63A1M	H81, H92, H98
3794421	KSEMP6400FDS63A1M	H81, H92, H99
3794422	KSEMP6500FDS63A1M	H81, H92, H99
3794423	KSEMP6600FDS63A1M	H81, H92, H99
3794424	KSEMP6700FDS63A1M	H81, H92, H99
3794425	KSEMP6800FDS63A1M	H81, H92, H99
3794426	KSEMP6900FDS63A1M	H81, H92, H99
3794427	KSEMP3750FDS36A1M	H80, H92, H98
3794428	WD32FDS32216M	H103
3794429	WD32FDS32391M	H103
3794430	WD32FDS36244M	H103
3794431	WD32FDS36361M	H103
3794432	WD32FDS36439M	H103
3794443	WD50FDS40271M	H103
3794444	WD50FDS40403M	H103
3794445	WD50FDS40491M	H103
3794446	WD50FDS45304M	H103
3794447	WD50FDS45451M	H103
3794448	WD50FDS45549M	H103
3794449	WD50FDS50338M	H103
3794450	WD50FDS50613M	H103
3794451	WD50FDS56383M	H103
3794452	WD50FDS56569M	H103
3794453	WD50FDS56693M	H103
3794454	WD50FDS63429M	H103
3794455	WD50FDS63639M	H103
3794916	KSEMP3175FDS32A1M	H80, H91, H98
3794917	KSEMP3334FDS32A1M	H80, H91, H98
3794918	KSEMP3493FDS32A1M	H80, H91, H98
3794919	KSEMP3651FDS36A1M	H80, H92, H98
3794920	KSEMP3810FDS36A1M	H80, H92, H98
3794921	KSEMP3970FDS36A1M	H80, H92, H98
3794922	KSEMP4128FDS40A1M	H80, H92, H98
3794933	KSEMP4445FDS40A1M	H80, H92, H98
3794934	KSEMP4763FDS45A1M	H81, H92, H98
3794935	KSEMP5080FDS50A1M	H81, H92, H98
3794936	KSEMP5398FDS50A1M	H81, H92, H98
3794937	KSEMP5715FDS56A1M	H81, H92, H98
3794938	KSEMP6033FDS56A1M	H81, H92, H98
3794939	KSEMP6350FDS63A1M	H81, H92, H99
3794940	KSEMP6668FDS63A1M	H81, H92, H99
3794941	KSEMP6985FDS63A1M	H81, H92, H99
3795256	RMB14000H7HF KT6215	K18
3795257	RMB15000H7HF KT6215	K18
3795258	RMB16000H7HF KT6215	K18
3795260	RMB18000H7HF KT6215	K18
3795261	RMB19000H7HF KT6215	K18
3795262	RMB20000H7HF KT6215	K18
3795311	B978F18000 KC7315	G149
3795333	RMB14000H7SF KT6215	K17
3795334	RMB15000H7SF KT6215	K17
3795335	RMB16000H7SF KT6215	K17
3795336	RMB17000H7SF KT6215	K17
3795337	RMB18000H7SF KT6215	K17
3795338	RMB19000H7SF KT6215	K17
3795339	RMB20000H7SF KT6215	K17
3812186	DNMG150612MP KCP10	B79
3830321	B976A08020 KC7315	G140
3831819	M1H63T5R75A27S90ED14C20	T59
3838225	WNMG080412MP KCP10	B157
3842812	B291A13800YPL KC7315	G96
3842895	H32LSER5	D82
3842897	H40LSER5	D82
3842905	H50LSER27	D82
3848433	B967A15500 KC7315	G134
3849319	XNGJ0905ANFNLDJ3W KC410M	S22
3849320	HNGJ0905ANFNLDJ KC410M	S18, S22
3852200	RPET1204M0ELE KC725M	V73
3852233	RPET1204M0SGE KCPK30	V74
3852235	RPET1204M0ELE KCPK30	V73
3852284	RPPT1605M0SHP KC725M	V80
3852285	RPPT1605M0SHP KCPK30	V80
3852395	RPPT1204M0SGP KC725M	V74
3852396	RPPT1204M0SGP KCPK30	V74
3854146	RIR04EDS06 KD1415	K53
3854265	A4SMR2020K0208	C114
3854266	A4SML2020K0208	C114
3854267	A4SMR2020K0308	C114
3854268	A4SML2020K0308	C114
3854269	A4SMR2020K0408	C114
3854270	A4SML2020K0408	C114
3854271	A4SMR2525M0510	C114
3854272	A4SML2525M0510	C114
3854273	A4SMR2525M0610	C114
3854274	A4SML2525M0610	C114
3855176	EDPT140416PDSRGE KC522M	T53, T62
3855177	EDPT140416PDSRGE KC725M	T53, T62
3855178	EDPT140416PDSRGE KCPK30	T53, T62
3855180	EDPT140431PDSRGE KC725M	T53, T62
3855181	EDPT140431PDSRGE KCPK30	T53, T62
3855209	EDPT140404PDSRGE KC522M	T53, T62
3855210	EDPT140404PDSRGE KC725M	T53, T62
3855211	EDPT140404PDSRGE KCPK30	T53, T62
3855236	EDPT140408PDSRGE KC522M	T53, T62
3855237	EDPT140408PDSRGE KC725M	T53, T62
3855238	EDPT140408PDSRGE KCPK30	T53, T62
3855240	EDPT140412PDSRGE KC522M	T53, T62
3855241	EDPT140412PDSRGE KC725M	T53, T62
3855242	EDPT140412PDSRGE KCPK30	T53, T62
3855383	B291A04300YPL KC7315	G94
3855561	CNMG120408MP KCP10	B51
3855796	CM234R ASSY	B58–60, B66, B85, B89–90, B105–107, B132, B137, B152, B161, B163
3855854	B291A08800YPL KC7315	G95
3856322	LT27ER4API502 KC5025	D55
3856324	LT27ER4API382 KC5025	D55
3856327	LT27NR4API502 KC5025	D68
3856329	LT27NR4API382 KC5025	D68
3856518	DNGX120712T02020 KYK25	B296
3856520	DNGX150712T02020 KYK25	B296
3856521	SNGX120712T02020 KYK25	B297
3856522	SNGX120716T02020 KYK25	B297
3856532	SNGN120408T02020 KYK25	B297
3856553	SNGN120412T02020 KYK25	B297
3856554	SNGN120712T02020 KYK25	B297
3856558	CNGA120408T02020 KYK25	B292
3856559	CNGA120412T02020 KYK25	B292
3856560	CNGA120416T02020 KYK25	B292
3856561	CNGA120408T01020FW KYK25	B293
3856562	CNGA120412T01020FW KYK25	B293
3856604	CNGA190616T02020 KYK25	B292
3856607	DNGA150416T02020 KYK25	B293
3856608	SNGA120408T02020 KYK25	B293
3856609	SNGA120412T02020 KYK25	B293
3856611	SNGA150612T02020 KYK25	B293
3856614	VNGA220408T02020 KYK25	B294
3856615	WNGA080408T02020 KYK25	B294
3856616	WNGA080412T02020 KYK25	B294
3856618	CNGA160612T02020 KYK25	B292
3856793	RIR04E1312 KC6005	K53
3856806	RIR02E1312 KC6305	K53
3856807	RIR03E1312 KC6305	K53
3856827	RIRT4C4512 KC6005	K54
3858114	EDPT180508PDSRGE KCPK30	T75
3858115	EDPT180508PDSRGE KC522M	T75
3858116	EDPT180508PDSRGE KC725M	T75
3858210	B978A04200 KC7315	G146
3858724	RIR01E1312 KC6105	K53
3858725	RIR02E1312 KC6105	K53
3858727	RIR01EGU00 KC6105	K53
3858731	RIR05EGU00 KC6105	K53
3858814	KST175CS	K39
3858815	KST200CS	K39
3858817	KST250CS	K39
3858818	KST300CS	K39
3858819	KST350CS	K39
3859000	B292A07400YPL KC7315	G95
3859044	SDET120464SNGB KC725M	T105, T112, U51
3859155	B292A08100YPL KC7315	G95
3860364	RHM20000KST175H7HF KT325	K31
3860365	RHM20640KST175H7HF KT325	K31
3860366	RHM21000KST175H7HF KT325	K31
3860367	RHM22000KST175H7HF KT325	K31
3860368	RHM22230KST175H7HF KT325	K31
3860369	RHM22500KST200H7HF KT325	K31
3860370	RHM23000KST200H7HF KT325	K31
3860371	RHM23810KST200H7HF KT325	K31
3860372	RHM24000KST200H7HF KT325	K31
3860383	RHM25000KST200H7HF KT325	K31
3860384	RHM25400KST200H7HF KT325	K31
3860385	RHM26000KST200H7HF KT325	K31
3860386	RHM26990KST200H7HF KT325	K31
3860387	RHM27000KST200H7HF KT325	K31
3860388	RHM27500KST250H7HF KT325	K31
3860389	RHM28000KST250H7HF KT325	K32
3860390	RHM28580KST250H7HF KT325	K32
3860391	RHM29000KST250H7HF KT325	K32
3860392	RHM30000KST250H7HF KT325	K32
3860393	RHM30160KST250H7HF KT325	K32
3860394	RHM31000KST250H7HF KT325	K32
3860395	RHM31750KST250H7HF KT325	K32
3860396	RHM32000KST250H7HF KT325	K32
3860397	RHM32500KST300H7HF KT325	K32
3860398	RHM33000KST300H7HF KT325	K32
3860399	RHM33340KST300H7HF KT325	K32
3860401	RHM34930KST300H7HF KT325	K32
3860402	RHM35000KST300H7HF KT325	K32
3860403	RHM36000KST300H7HF KT325	K32
3860404	RHM36510KST300H7HF KT325	K32
3860405	RHM37000KST300H7HF KT325	K32
3860406	RHM37500KST350H7HF KT325	K32
3860408	RHM38100KST350H7HF KT325	K32
3860409	RHM39000KST350H7HF KT325	K32
3860410	RHM39690KST350H7HF KT325	K32
3860411	RHM40000KST350H7HF KT325	K32
3860412	RHM41000KST350H7HF KT325	K32
3860413	RHM41280KST350H7HF KT325	K32
3860414	RHM42000KST350H7HF KT325	K32
3860476	RHM20000KST175H7SF KT325	K29
3860477	RHM20640KST175H7SF KT325	K29
3860478	RHM21000KST175H7SF KT325	K29
3860480	RHM22230KST175H7SF KT325	K29
3860481	RHM22500KST200H7SF KT325	K29
3860482	RHM23000KST200H7SF KT325	K29
3860513	RHM23810KST200H7SF KT325	K29
3860514	RHM24000KST200H7SF KT325	K29
3860515	RHM25000KST200H7SF KT325	K29
3860516	RHM25400KST200H7SF KT325	K29
3860517	RHM26000KST200H7SF KT325	K29
3860518	RHM26990KST200H7SF KT325	K29
3860519	RHM27000KST200H7SF KT325	K29
3860520	RHM27500KST250H7SF KT325	K30
3860521	RHM28000KST250H7SF KT325	K30
3860522	RHM28580KST250H7SF KT325	K30
3860523	RHM29000KST250H7SF KT325	K30
3860524	RHM30000KST250H7SF KT325	K30
3860525	RHM30160KST250H7SF KT325	K30
3860526	RHM31000KST250H7SF KT325	K30
3860527	RHM31750KST250H7SF KT325	K30
3860528	RHM32000KST250H7SF KT325	K30
3860529	RHM32500KST300H7SF KT325	K30
3860530	RHM33000KST300H7SF KT325	K30
3860531	RHM33340KST300H7SF KT325	K30
3860532	RHM34000KST300H7SF KT325	K30
3860533	RHM34930KST300H7SF KT325	K30
3860534	RHM35000KST300H7SF KT325	K30
3860535	RHM36000KST300H7SF KT325	K30
3860536	RHM36510KST300H7SF KT325	K30
3860537	RHM37000KST300H7SF KT325	K30
3860538	RHM37500KST350H7SF KT325	K30
3860539	RHM38000KST350H7SF KT325	K30
3860540	RHM38100KST350H7SF KT325	K30
3860541	RHM39000KST350H7SF KT325	K30
3860542	RHM39690KST350H7SF KT325	K30
3860544	RHM41000KST350H7SF KT325	K30
3860545	RHM41280KST350H7SF KT325	K30
3860546	RHM42000KST350H7SF KT325	K30
3860625	RHM20000KST175H7SF KT6215	K29
3860626	RHM20640KST175H7SF KT6215	K29
3860627	RHM21000KST175H7SF KT6215	K29
3860628	RHM22000KST175H7SF KT6215	K29
3860629	RHM22230KST175H7SF KT6215	K29

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3860630	RHM22500KST200H7SF KT6215	K29
3860631	RHM23000KST200H7SF KT6215	K29
3860632	RHM23810KST200H7SF KT6215	K29
3860643	RHM24000KST200H7SF KT6215	K29
3860644	RHM25000KST200H7SF KT6215	K29
3860645	RHM25400KST200H7SF KT6215	K29
3860647	RHM26990KST200H7SF KT6215	K29
3860648	RHM27000KST200H7SF KT6215	K29
3860649	RHM27500KST250H7SF KT6215	K30
3860650	RHM28000KST250H7SF KT6215	K30
3860651	RHM28580KST250H7SF KT6215	K30
3860652	RHM29000KST250H7SF KT6215	K30
3860653	RHM30000KST250H7SF KT6215	K30
3860655	RHM31000KST250H7SF KT6215	K30
3860656	RHM31750KST250H7SF KT6215	K30
3860658	RHM32500KST300H7SF KT6215	K30
3860659	RHM33000KST300H7SF KT6215	K30
3860660	RHM33340KST300H7SF KT6215	K30
3860662	RHM34930KST300H7SF KT6215	K30
3860663	RHM35000KST300H7SF KT6215	K30
3860664	RHM36000KST300H7SF KT6215	K30
3860665	RHM36510KST300H7SF KT6215	K30
3860667	RHM37500KST350H7SF KT6215	K30
3860668	RHM38000KST350H7SF KT6215	K30
3860669	RHM38100KST350H7SF KT6215	K30
3860670	RHM39000KST350H7SF KT6215	K30
3860671	RHM39690KST350H7SF KT6215	K30
3860672	RHM40000KST350H7SF KT6215	K30
3860673	RHM41000KST350H7SF KT6215	K30
3860674	RHM41280KST350H7SF KT6215	K30
3860675	RHM42000KST350H7SF KT6215	K30
3860855	RHM20000KST175H7HF KT6215	K31
3860856	RHM20640KST175H7HF KT6215	K31
3860857	RHM21000KST175H7HF KT6215	K31
3860858	RHM22000KST175H7HF KT6215	K31
3860859	RHM22230KST175H7HF KT6215	K31
3860860	RHM22500KST200H7HF KT6215	K31
3860861	RHM23000KST200H7HF KT6215	K31
3860862	RHM23810KST200H7HF KT6215	K31
3860863	RHM24000KST200H7HF KT6215	K31
3860864	RHM25000KST200H7HF KT6215	K31
3860865	RHM25400KST200H7HF KT6215	K31
3860867	RHM26990KST200H7HF KT6215	K31
3860868	RHM27000KST200H7HF KT6215	K31
3860869	RHM27500KST250H7HF KT6215	K31
3860870	RHM28000KST250H7HF KT6215	K32
3860872	RHM29000KST250H7HF KT6215	K32
3860873	RHM30000KST250H7HF KT6215	K32
3860874	RHM30160KST250H7HF KT6215	K32
3860875	RHM31000KST250H7HF KT6215	K32
3860876	RHM31750KST250H7HF KT6215	K32
3860877	RHM32000KST250H7HF KT6215	K32
3860878	RHM32500KST300H7HF KT6215	K32
3860879	RHM33000KST300H7HF KT6215	K32
3860880	RHM33340KST300H7HF KT6215	K32
3860881	RHM34000KST300H7HF KT6215	K32
3860882	RHM34930KST300H7HF KT6215	K32
3860883	RHM35000KST300H7HF KT6215	K32
3860885	RHM36510KST300H7HF KT6215	K32
3860886	RHM37000KST300H7HF KT6215	K32
3860887	RHM37500KST350H7HF KT6215	K32
3860890	RHM39000KST350H7HF KT6215	K32
3860891	RHM39690KST350H7HF KT6215	K32
3860892	RHM40000KST350H7HF KT6215	K32
3860893	RHM41000KST350H7HF KT6215	K32
3860894	RHM41280KST350H7HF KT6215	K32
3860895	RHM42000KST350H7HF KT6215	K32
3861185	SS20KST175AR3M	K38
3861186	SS20KST200AR3M	K38
3861187	SS25KST250AR3M	K38
3861188	SS32KST300AR3M	K38
3861189	SS32KST350AR3M	K38
3861190	SS20KST175AR5M	K38
3861191	SS20KST200AR5M	K38
3861192	SS25KST250AR5M	K38
3861193	SS32KST300AR5M	K38
3861194	SS32KST350AR5M	K38
3861195	SS20KST175RR3M	K39
3861196	SS20KST200RR3M	K39
3861197	SS25KST250RR3M	K39
3861198	SS32KST300RR3M	K39
3861199	SS32KST350RR3M	K39
3861200	SS20KST175RR5M	K39
3861201	SS20KST200RR5M	K39
3861202	SS25KST250RR5M	K39
3861203	SS32KST300RR5M	K39
3861204	SS32KST350RR5M	K39
3861272	B977F03100 KC7315	G143
3861630	KST175200RK	K39
3861631	KST250250RK	K39
3861632	KST300350RK	K39
3861774	DNGA150416T02020 KYK10	B293
3861775	RNGN120400T02020 KYK10	B296
3861781	TPGN160312T02020 KYK10	B299
3862224	KST175200AS	K38
3862225	KST250250AS	K38
3862226	KST300350AS	K38
3864351	B292A06200YPL KC7315	G94
3865920	A4SBR2020K2S12016020	C115
3865921	A4SBR2020K2S12020025	C115
3865922	A4SBR2020K2S12025036	C115
3865923	A4SBR2020K3S14020025	C115
3865924	A4SBR2020K3S14025036	C115
3865926	A4SBR2020K4S14035048	C115
3865927	A4SBR2525M5S19028038	C115
3865928	A4SBR2525M5S19038058	C115
3865929	A4SBL2020K2S12016020	C115
3865931	A4SBL2020K2S12025036	C115
3865932	A4SBL2020K3S14020025	C115
3865934	A4SBL2020K4S14025035	C115
3865937	A4SBL2525M5S19038058	C115
3867457	A4M50R2S12B016020	C127
3867458	A4M50R2S12B020025	C127
3867459	A4M50R2S12B025036	C127
3867460	A4M50R3S14B020025	C127
3867461	A4M50R3S14B025036	C127
3867462	A4M50R4S14B025035	C127
3867464	A4M50R5S17B028038	C127
3867466	A4M50L2S12B016020	C128
3867467	A4M50L2S12B020025	C128
3867468	A4M50L2S12B025036	C128
3867469	A4M50L3S14B020025	C128
3867470	A4M50L3S14B025036	C128
3867472	A4M50L4S14B035048	C128
3867484	A4M50L5S17B028038	C128
3867715	B271Z03000HPS KN25	G74
3867716	B271Z03175HPS KN25	G74
3867717	B271Z03200HPS KN25	G74
3867718	B271Z03500HPS KN25	G74
3867719	B271Z03970HPS KN25	G74
3867720	B271Z04000HPS KN25	G74
3867721	B271Z04500HPS KN25	G74
3867722	B271Z04763HPS KN25	G74
3867753	B271Z05000HPS KN25	G74
3867754	B271Z05500HPS KN25	G74
3867755	B271Z06000HPS KN25	G74
3867756	B271Z06200HPS KN25	G74
3867757	B271Z06350HPS KN25	G74
3867758	B271Z06500HPS KN25	G75
3867759	B271Z06746HPS KN25	G75
3867760	B271Z07000HPS KN25	G75
3867761	B271Z07145HPS KN25	G75
3867762	B271Z07500HPS KN25	G75
3867763	B271Z08000HPS KN25	G75
3867765	B271Z08500HPS KN25	G75
3867766	B271Z08733HPS KN25	G75
3867767	B271Z09000HPS KN25	G75
3867768	B271Z09500HPS KN25	G75
3867769	B271Z09525HPS KN25	G75
3867770	B271Z10000HPS KN25	G75
3867771	B272Z03000HPS KN25	G76
3867772	B272Z03175HPS KN25	G76
3867803	B272Z03300HPS KN25	G76
3867804	B272Z03500HPS KN25	G76
3867805	B272Z03970HPS KN25	G76
3867806	B272Z04000HPS KN25	G76
3867807	B272Z04500HPS KN25	G76
3867808	B272Z04763HPS KN25	G76
3867809	B272Z05000HPS KN25	G76
3867810	B272Z05500HPS KN25	G76
3867811	B272Z06000HPS KN25	G76
3867812	B272Z06200HPS KN25	G76
3867813	B272Z06350HPS KN25	G76
3867814	B272Z06500HPS KN25	G76
3867815	B272Z06746HPS KN25	G76
3867816	B272Z07000HPS KN25	G77
3867817	B272Z07145HPS KN25	G77
3867818	B272Z07500HPS KN25	G77
3867819	B272Z08000HPS KN25	G77
3867820	B272Z08500HPS KN25	G77
3867821	B272Z08733HPS KN25	G77
3867822	B272Z09000HPS KN25	G77
3867823	B272Z09525HPS KN25	G77
3867824	B272Z09750HPS KN25	G77
3867825	B272Z10000HPS KN25	G77
3867828	B274Z03000HPS KN25	G79
3867829	B274Z03175HPS KN25	G79
3867830	B274Z03500HPS KN25	G79
3867831	B274Z04000HPS KN25	G79
3867832	B274Z04500HPS KN25	G79
3867833	B273Z03000HPS KN25	G78
3867834	B273Z03175HPS KN25	G78
3867835	B273Z03500HPS KN25	G78
3867836	B273Z04000HPS KN25	G78
3867837	B273Z04500HPS KN25	G78
3867838	B273Z05000HPS KN25	G78
3867839	B273Z05500HPS KN25	G78
3867840	B273Z06000HPS KN25	G78
3867841	B273Z06350HPS KN25	G78
3867842	B273Z06500HPS KN25	G78
3867843	B273Z06746HPS KN25	G78
3867844	B273Z07000HPS KN25	G78
3867845	B273Z08000HPS KN25	G78
3867846	B273Z08500HPS KN25	G78
3867847	B273Z08733HPS KN25	G78
3867849	B273Z09525HPS KN25	G78
3867850	B273Z10000HPS KN25	G78
3867873	B274Z05000HPS KN25	G79
3867874	B274Z05500HPS KN25	G79
3867875	B274Z06000HPS KN25	G79
3867876	B274Z06350HPS KN25	G79
3867877	B274Z06500HPS KN25	G79
3867878	B274Z06746HPS KN25	G79
3867879	B274Z07000HPS KN25	G79
3867880	B274Z08000HPS KN25	G80
3867881	B274Z08500HPS KN25	G80
3867882	B274Z08733HPS KN25	G80
3867883	B274Z09000HPS KN25	G80
3867884	B274Z09525HPS KN25	G80
3867885	B274Z10000HPS KN25	G80
3868079	T620M030X050R6HX-D1 KM6515	M6
3868080	T620M040X070R6HX-D1 KM6515	M6
3868081	T620M050X080R6HX-D1 KM6515	M6
3868082	T620M060X100R6HX-D1 KM6515	M6
3868093	T620M080X125R6HX-D1 KM6515	M6
3868094	T620M100X150R6HX-D1 KM6515	M6
3868095	T620M120X175R6HX-D6 KM6515	M6
3868096	T620M140X200R6HX-D6 KM6515	M6
3868097	T620M160X200R6HX-D6 KM6515	M6
3868099	T620M200X250R6HX-D6 KM6515	M6
3868110	T620MF080X100R6HX-D4 KM6515	M6
3868111	T620MF100X100R6HX-D4 KM6515	M6
3868114	T620MF120X150R6HX-D4 KM6515	M6
3868116	T620MF140X150R6HX-D4 KM6515	M6
3868117	T620MF160X150R6HX-D4 KM6515	M6
3868118	T620MF180X150R6HX-D4 KM6515	M6
3868174	T620M030X050R6HX-D1 KP6525	M6
3868175	T620M040X070R6HX-D1 KP6525	M6
3868176	T620M050X080R6HX-D1 KP6525	M6
3868177	T620M060X100R6HX-D1 KP6525	M6
3868178	T620M080X125R6HX-D1 KP6525	M6
3868179	T620M100X150R6HX-D1 KP6525	M6
3868180	T620M120X175R6HX-D6 KP6525	M6
3868181	T620M140X200R6HX-D6 KP6525	M6
3868182	T620M160X200R6HX-D6 KP6525	M6
3868204	T620M200X250R6HX-D6 KP6525	M6
3868215	T620MF080X100R6HX-D4 KP6525	M6
3868216	T620MF100X100R6HX-D4 KP6525	M6
3868217	T620MF100X125R6HX-D4 KP6525	M6
3868219	T620MF120X150R6HX-D4 KP6525	M6
3868221	T620MF140X150R6HX-D4 KP6525	M6
3868222	T620MF160X150R6HX-D4 KP6525	M6
3868223	T620MF180X150R6HX-D4 KP6525	M6
3868469	B291A04800YPL KC7315	G94
3868571	T630M030X050R6HX-D1 KP6525	M24
3868572	T630M040X070R6HX-D1 KP6525	M24
3868825	T630M030X050R6HX-D1 KM6515	M24
3868826	T630M040X070R6HX-D1 KM6515	M24
3868827	T630M050X080R6HX-D1 KM6515	M24
3868828	T630M060X100R6HX-D1 KM6515	M24
3868829	T630M080X125R6HX-D1 KM6515	M24
3868830	T630M100X150R6HX-D1 KM6515	M24
3868831	T630M120X175R6HX-D6 KM6515	M24
3868832	T630M140X200R6HX-D6 KM6515	M24
3868843	T630M160X200R6HX-D6 KM6515	M24
3868844	T630M180X250R6HX-D6 KM6515	M24
3868856	T630MF080X100R6HX-D4 KM6515	M24
3868857	T630MF100X100R6HX-D4 KM6515	M24
3868858	T630MF100X125R6HX-D4 KM6515	M24
3868860	T630MF120X150R6HX-D4 KM6515	M24
3868862	T630MF140X150R6HX-D4 KM6515	M24
3868863	T630MF160X150R6HX-D4 KM6515	M24
3868864	T630MF180X150R6HX-D4 KM6515	M24
3868923	T630M050X080R6HX-D1 KP6525	M24
3868924	T630M060X100R6HX-D1 KP6525	M24
3868925	T630M080X125R6HX-D1 KP6525	M24
3868926	T630M100X150R6HX-D1 KP6525	M24
3868927	T630M120X175R6HX-D6 KP6525	M24
3868928	T630M140X200R6HX-D6 KP6525	M24
3868929	T630M160X200R6HX-D6 KP6525	M24
3868930	T630M180X250R6HX-D6 KP6525	M24
3868933	T630M240X300R6HX-D6 KP6525	M28
3868942	T630MF080X100R6HX-D4 KP6525	M24
3868943	T630MF100X100R6HX-D4 KP6525	M24
3868944	T630MF100X125R6HX-D4 KP6525	M24
3868946	T630MF120X150R6HX-D4 KP6525	M24
3868948	T630MF140X150R6HX-D4 KP6525	M24
3868949	T630MF160X150R6HX-D4 KP6525	M24
3868950	T630MF180X150R6HX-D4 KP6525	M24
3868976	T631M050X080R6HX-D1 KP6525	M25
3868977	T631M060X100R6HX-D1 KP6525	M25
3868978	T631M080X125R6HX-D1 KP6525	M25
3868979	T631M100X150R6HX-D1 KP6525	M25
3868980	T631M120X175R6HX-D6 KP6525	M25
3868981	T631M140X200R6HX-D6 KP6525	M25
3868982	T631M160X200R6HX-D6 KP6525	M25
3868993	T631M180X250R6HX-D6 KP6525	M25
3869003	T631MF080X100R6HX-D4 KP6525	M25
3869004	T631MF100X100R6HX-D4 KP6525	M25
3869005	T631MF100X125R6HX-D4 KP6525	M25
3869006	T631MF120X125R6HX-D4 KP6525	M25
3869007	T631MF120X150R6HX-D4 KP6525	M25
3869008	T631MF140X125R6HX-D4 KP6525	M25
3869009	T631MF140X150R6HX-D4 KP6525	M25
3869010	T631MF160X150R6HX-D4 KP6525	M25
3869011	T631MF180X150R6HX-D4 KP6525	M25
3871002	A4G0205M2SU02GMN KCU10	C99
3871033	A16RA4SAL2S12M017021	C120
3871034	A20RA4SAL2S12M021026	C120
3871035	A25RA4SAL2S12M026036	C120
3871037	A25RA4SAL3S14M026036	C120
3871038	A16RA4SAR2S12M017021	C120
3871039	A20RA4SAR2S12M021026	C120
3871040	A25RA4SAR2S12M026036	C120
3871041	A20RA4SAR3S14M021026	C120
3871042	A25RA4SAR3S14M026036	C120
3871064	A4G0305M3SU04GMN KCU10	C99
3871065	A4G0405M4SU04GMN KCU10	C99
3871067	A4G0505M5SU04GMN KCU10	C99
3871069	A4G0200M2SP02GUP KCU10	C98
3871070	A4G0300M3SP02GUP KCU10	C98
3871071	A4G0300M3SP04GUP KCU10	C98
3871072	A4G0400M4SP04GUP KCU10	C98
3871073	A4G0400M4SP08GUP KCU10	C98
3871075	A4G0500M5SP08GUP KCU10	C98
3871076	A4G0205M2SU02GUP KCU10	C99
3871077	A4G0305M3SU02GUP KCU10	C99
3871078	A4G0305M3SU04GUP KCU10	C99
3871079	A4G0405M4SU04GUP KCU10	C99
3871081	A4G0505M5SU04GUP KCU10	C99
3871083	A4G0205M2SU02GMN KCU25	C99
3871084	A4G0305M3SU02GMN KCU25	C99
3871085	A4G0305M3SU04GMN KCU25	C99
3871086	A4G0405M4SU04GMN KCU25	C99
3871087	A4G0405M4SU08GMN KCU25	C99
3871088	A4G0505M5SU04GMN KCU25	C99
3871090	A4G0200M2SP02GUP KCU25	C98
3871091	A4G0300M3SP02GUP KCU25	C98

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
3871092	A4G0300M3SP04GUP KCU25	C98
3871105	A4G0500M5SP04GUP KCU25	C98
3871107	A4G0205M2SU02GUP KCU25	C99
3871108	A4G0305M3SU02GUP KCU25	C99
3871109	A4G0305M3SU04GUP KCU25	C99
3871110	A4G0405M4SU04GUP KCU25	C99
3871112	A4G0505M5SU04GUP KCU25	C99
3871114	A4G0505M5SU08GUP KCU25	C99
3871115	A4R0200M2SP00GMP KCU25	C99
3871116	A4R0300M3SP00GMP KCU25	C99
3871118	A4R0500M5SP00GMP KCU25	C99
3872075	WD50FDS40183M	H102
3872079	WD50FDS45206M	H102
3872564	B292A14200YPL KC7315	G96
3873005	B292A07600YPL KC7315	G95
3873028	B976A11800 KC7315	G141
3873438	50A05RS90SD12PLHF	V139
3873464	52A05RS90SD12PLHF	V139
3873467	63A06RS90SD12PLHF	V139
3873469	66A06RS90SD12PLHF	V139
3873520	80A07RS90SD12PLHF	V139
3873931	UDDE1400A5ASA KC643M	P31
3873932	UDDE1400A5ARA KC643M	P31
3874034	UDDE1400A5ARC KC643M	P31
3874035	UDDE1400A5ARD KC643M	P31
3874037	UDDE1400B5ARB KC643M	P31
3876021	B967A08700 KC7315	G133
3876314	CNGN120716T02020 KYK10	B295
3876315	CNGA120408T02020 KYK10	B292
3876316	CNGA120412T01020FW KYK10	B293
3876317	CNGA120412T02020 KYK10	B292
3876318	CNGA120412T02020FW KYK10	B293
3876319	CNGA120416T02020 KYK10	B292
3876328	SNGX120712T02020 KYK10	B297
3876329	SNGX120716T02020 KYK10	B297
3876331	TNGA160408T02020 KYK10	B294
3876333	WNGX080712T02020 KYK10	B298
3876334	SNGA120408T02020 KYK10	B293
3876843	CNGF120408 KB1340	B286
3877207	CFM0402R30RHP KCU40	H34
3877688	B272Z11000HPS KN25	G77
3877827	B967A11500 KC7315	G134
3878037	B292A09800YPL KC7315	G95
3878347	HSK63ASIF80063M	K46
3883100	RIQ06E1312 KC6305	K55
3884395	KSEM1250HPCCLM KC7410	H48
3884396	KSEM1300HPCCLM KC7410	H48, H87
3884397	KSEM1350HPCCLM KC7410	H48
3884398	KSEM1400HPCCLM KC7410	H48, H87
3884399	KSEM1450HPCCLM KC7410	H48
3884400	KSEM1500HPCCLM KC7410	H48, H87
3884401	KSEM1550HPCCLM KC7410	H48
3884402	KSEM1600HPCCLM KC7410	H48, H87
3884433	KSEM1650HPCCLM KC7410	H48
3884434	KSEM1700HPCCLM KC7410	H48, H87
3884435	KSEM1750HPCCLM KC7410	H48
3884436	KSEM1800HPCCLM KC7410	H48, H87
3884437	KSEM1850HPCCLM KC7410	H48
3884438	KSEM1900HPCCLM KC7410	H48, H87
3884439	KSEM1950HPCCLM KC7410	H48
3884440	KSEM2000HPCCLM KC7410	H48, H87
3884441	KSEM2050HPCCLM KC7410	H48
3884442	KSEM2100HPCCLM KC7410	H48, H87
3884443	KSEM2150HPCCLM KC7410	H48
3884444	KSEM2200HPCCLM KC7410	H48, H87
3884445	KSEM2250HPCCLM KC7410	H48
3884446	KSEM2300HPCCLM KC7410	H48, H87
3884447	KSEM2350HPCCLM KC7410	H48
3884448	KSEM2400HPCCLM KC7410	H48, H87
3884449	KSEM2450HPCCLM KC7410	H48
3884450	KSEM2500HPCCLM KC7410	H48, H87
3884451	KSEM2550HPCCLM KC7410	H48
3884452	KSEM2600HPCCLM KC7410	H48, H87
3884453	KSEM2650HPCCLM KC7410	H48
3884454	KSEM2700HPCCLM KC7410	H48, H87
3884455	KSEM2750HPCCLM KC7410	H48
3884456	KSEM2800HPCCLM KC7410	H49, H87
3884457	KSEM2850HPCCLM KC7410	H49
3884458	KSEM2900HPCCLM KC7410	H49, H87
3884459	KSEM2950HPCCLM KC7410	H49
3884460	KSEM3000HPCCLM KC7410	H49, H87
3884461	KSEM3050HPCCLM KC7410	H49
3884462	KSEM3100HPCCLM KC7410	H49, H87
3884463	KSEM3200HPCCLM KC7410	H49, H87
3884464	KSEM1270HPCCLM KC7410	H48
3884465	KSEM1293HPCCLM KC7410	H48
3884466	KSEM1310HPCCLM KC7410	H48
3884467	KSEM1389HPCCLM KC7410	H48
3884468	KSEM1429HPCCLM KC7410	H48
3884469	KSEM1468HPCCLM KC7410	H48
3884470	KSEM1548HPCCLM KC7410	H48
3884471	KSEM1588HPCCLM KC7410	H48
3884472	KSEM1609HPCCLM KC7410	H48
3884473	KSEM1627HPCCLM KC7410	H48
3884474	KSEM1667HPCCLM KC7410	H48
3884475	KSEM1707HPCCLM KC7410	H48
3884476	KSEM1746HPCCLM KC7410	H48
3884477	KSEM1826HPCCLM KC7410	H48
3884478	KSEM1905HPCCLM KC7410	H48
3884479	KSEM1927HPCCLM KC7410	H48
3884480	KSEM1945HPCCLM KC7410	H48
3884481	KSEM1984HPCCLM KC7410	H48
3884482	KSEM2024HPCCLM KC7410	H48
3884483	KSEM2064HPCCLM KC7410	H48
3884484	KSEM2143HPCCLM KC7410	H48
3884485	KSEM2223HPCCLM KC7410	H48
3884486	KSEM2244HPCCLM KC7410	H48
3884487	KSEM2342HPCCLM KC7410	H48
3884488	KSEM2381HPCCLM KC7410	H48
3884489	KSEM2461HPCCLM KC7410	H48
3884490	KSEM2540HPCCLM KC7410	H48
3884491	KSEM2567HPCCLM KC7410	H48
3884492	KSEM2619HPCCLM KC7410	H48
3884493	KSEM2659HPCCLM KC7410	H48
3884494	KSEM2778HPCCLM KC7410	H48
3884495	KSEM2818HPCCLM KC7410	H49
3884496	KSEM2858HPCCLM KC7410	H49
3884497	KSEM2937HPCCLM KC7410	H49
3884498	KSEM2977HPCCLM KC7410	H49
3884499	KSEM3016HPCCLM KC7410	H49
3884500	KSEM3175HPCCLM KC7410	H49
3884540	B291A06200YPL KC7315	G94
3884541	B291A11800YPL KC7315	G95
3884593	B291A15800YPL KC7315	G96
3884594	B291A19800YPL KC7315	G96
3884596	B291A05200YPL KC7315	G94
3884923	RCMT1204M0MP KCS10	B224
3885689	B707A03000FBL KCMS15	G114
3885690	B707A03175FBL KCMS15	G114
3885691	B707A03500FBL KCMS15	G114
3885692	B707A04000FBL KCMS15	G114
3885823	B707A04400FBL KCMS15	G114
3885824	B707A04500FBL KCMS15	G114
3885825	B707A04800FBL KCMS15	G114
3885826	B707A05000FBL KCMS15	G114
3885827	B707A05560FBL KCMS15	G114
3885828	B707A05900FBL KCMS15	G114
3885829	B707A06000FBL KCMS15	G114
3885830	B707A06350FBL KCMS15	G114
3885831	B707A06500FBL KCMS15	G114
3885832	B707A06800FBL KCMS15	G114
3885833	B707A07000FBL KCMS15	G114
3885834	B707A07500FBL KCMS15	G114
3885835	B707A07938FBL KCMS15	G114
3885836	B707A08000FBL KCMS15	G114
3885837	B707A08500FBL KCMS15	G114
3885838	B707A08800FBL KCMS15	G115
3885839	B707A09000FBL KCMS15	G115
3885840	B707A09500FBL KCMS15	G115
3885841	B707A09525FBL KCMS15	G115
3885842	B707A10000FBL KCMS15	G115
3885843	B707A10320FBL KCMS15	G115
3885844	B707A10500FBL KCMS15	G115
3885845	B707A11000FBL KCMS15	G115
3885846	B707A11111FBL KCMS15	G115
3885847	B707A11509FBL KCMS15	G115
3885848	B707A11570FBL KCMS15	G115
3885849	B707A11700FBL KCMS15	G115
3885850	B707A11800FBL KCMS15	G115
3885851	B707A12000FBL KCMS15	G115
3885852	B707A12100FBL KCMS15	G115
3885853	B707A12500FBL KCMS15	G115
3885854	B707A12800FBL KCMS15	G115
3885855	B707A13000FBL KCMS15	G115
3885856	B707A13500FBL KCMS15	G115
3885857	B707A14000FBL KCMS15	G115
3885858	B707A14288FBL KCMS15	G115
3885859	B707A14500FBL KCMS15	G115
3885860	B707A15000FBL KCMS15	G115
3885861	B707A15250FBL KCMS15	G115
3885862	B707A15500FBL KCMS15	G115
3885863	B707A15875FBL KCMS15	G115
3885864	B707A16000FBL KCMS15	G115
3885865	B707A16500FBL KCMS15	G115
3885866	B707A17000FBL KCMS15	G115
3885867	B707A17500FBL KCMS15	G115
3885868	B707A18000FBL KCMS15	G115
3885869	B707A19000FBL KCMS15	G115
3885870	B707A19050FBL KCMS15	G115
3885871	B707A20000FBL KCMS15	G115
3885872	B707A21000FBL KCMS15	G115
3886527	B292A13900YPL KC7315	G96
3890197	B967A07500 KC7315	G133
3891349	B272Z16000HPS KN25	G77
3891648	RPET1605M0SGE KCPK30	V79
3891649	RPET1605M0ELE KCPK30	V79
3891661	B271Z10200HPS KN25	G75
3891662	B271Z10500HPS KN25	G75
3891682	B271Z13500HPS KN25	G75
3891683	B271Z10720HPS KN25	G75
3891684	B271Z11000HPS KN25	G75
3891685	B271Z11500HPS KN25	G75
3891686	B271Z12000HPS KN25	G75
3891687	B271Z12500HPS KN25	G75
3891688	B271Z12700HPS KN25	G75
3891689	B271Z13000HPS KN25	G75
3891690	B272Z10200HPS KN25	G77
3891691	B272Z10500HPS KN25	G77
3891692	B272Z10720HPS KN25	G77
3891693	B272Z11500HPS KN25	G77
3891695	B272Z12000HPS KN25	G77
3891696	B272Z12500HPS KN25	G77
3891697	B272Z12700HPS KN25	G77
3891698	B272Z13000HPS KN25	G77
3891700	B273Z10500HPS KN25	G78
3891702	B273Z11000HPS KN25	G78
3891703	B273Z11500HPS KN25	G78
3891704	B273Z12000HPS KN25	G78
3891705	B273Z12500HPS KN25	G78
3891707	B273Z13000HPS KN25	G78
3891708	B274Z10200HPS KN25	G80
3891711	B274Z11000HPS KN25	G80
3891712	B274Z11500HPS KN25	G80
3891713	B274Z12000HPS KN25	G80
3891714	B274Z12500HPS KN25	G80
3891716	B274Z13000HPS KN25	G80
3891733	B271Z14000HPS KN25	G75
3891734	B271Z14290HPS KN25	G75
3891737	B271Z15500HPS KN25	G75
3891738	B271Z15870HPS KN25	G75
3891739	B271Z16000HPS KN25	G75
3891741	B272Z13500HPS KN25	G77
3891742	B272Z14000HPS KN25	G77
3891744	B272Z14500HPS KN25	G77
3891745	B272Z15000HPS KN25	G77
3891746	B272Z15500HPS KN25	G77
3891747	B272Z15870HPS KN25	G77
3891748	B273Z13100HPS KN25	G78
3891750	B273Z14000HPS KN25	G78
3891751	B273Z14290HPS KN25	G78
3891752	B273Z14500HPS KN25	G78
3891914	52A05RS90RP12	V72
3894804	B707A03000FBS KN15	G114
3894805	B707A03175FBS KN15	G114
3894806	B707A03500FBS KN15	G114
3894807	B707A04000FBS KN15	G114
3894808	B707A04400FBS KN15	G114
3894809	B707A04500FBS KN15	G114
3894810	B707A04800FBS KN15	G114
3894811	B707A05000FBS KN15	G114
3894812	B707A05560FBS KN15	G114
3894823	B707A05900FBS KN15	G114
3894824	B707A06000FBS KN15	G114
3894825	B707A06350FBS KN15	G114
3894826	B707A06500FBS KN15	G114
3894827	B707A06800FBS KN15	G114
3894828	B707A07000FBS KN15	G114
3894829	B707A07500FBS KN15	G114
3894830	B707A07938FBS KN15	G114
3894831	B707A08000FBS KN15	G114
3894832	B707A08500FBS KN15	G114
3894833	B707A08800FBS KN15	G115
3894834	B707A09000FBS KN15	G115
3894835	B707A09500FBS KN15	G115
3894836	B707A09525FBS KN15	G115
3894837	B707A10000FBS KN15	G115
3894838	B707A10320FBS KN15	G115
3894839	B707A10500FBS KN15	G115
3894840	B707A11000FBS KN15	G115
3894841	B707A11111FBS KN15	G115
3894842	B707A11509FBS KN15	G115
3894843	B707A11570FBS KN15	G115
3894844	B707A11700FBS KN15	G115
3894845	B707A11800FBS KN15	G115
3894846	B707A12000FBS KN15	G115
3894847	B707A12100FBS KN15	G115
3894848	B707A12500FBS KN15	G115
3894849	B707A12800FBS KN15	G115
3894850	B707A13000FBS KN15	G115
3894851	B707A13500FBS KN15	G115
3894852	B707A14000FBS KN15	G115
3894853	B707A14288FBS KN15	G115
3894854	B707A14500FBS KN15	G115
3894855	B707A15000FBS KN15	G115
3894856	B707A15250FBS KN15	G115
3894857	B707A15500FBS KN15	G115
3894858	B707A15875FBS KN15	G115
3894859	B707A16000FBS KN15	G115
3894860	B707A16500FBS KN15	G115
3894861	B707A17000FBS KN15	G115
3894862	B707A17500FBS KN15	G115
3894863	B707A18000FBS KN15	G115
3894864	B707A19000FBS KN15	G115
3894865	B707A19050FBS KN15	G115
3894866	B707A20000FBS KN15	G115
3894867	B707A21000FBS KN15	G115
3895815	B291A09300YPL KC7315	G95
3899939	WNMG060408FP KCP10	B156
3901561	B292A04700YPL KC7315	G94
3902132	KM40TSNEL2	D31
3902167	B292A07900YPL KC7315	G95
3902171	B291A17900YPL KC7315	G96
3902283	KM40TSNEL3	D31
3902284	KM40TSNEL4	D31
3902285	KM40TSNER2	D31
3902286	KM40TSNER3	D31
3902287	KM40TSNER4	D31
3902288	KM40TSNRL3045M	D33
3902289	KM40TSNRR3045M	D33
3902290	KM40TSNSL2	D33
3902291	KM40TSNSL3	D33
3902292	KM40TSNSL4	D33
3902293	KM40TSNSR2	D33
3902294	KM40TSNSR3	D33
3902295	KM40TSNSR4	D33
3902973	B291A04400YPL KC7315	G94
3903498	B978A03300 KC7315	G146
3903995	B291A08600YPL KC7315	G95
3904143	B291A03454YPL KC7315	G94
3904144	B291A03970YPL KC7315	G94
3904146	B291A04851YPL KC7315	G94
3904147	B291A04915YPL KC7315	G94
3904148	B291A05410YPL KC7315	G94
3904149	B291A06747YPL KC7315	G95
3904150	B291A07144YPL KC7315	G95
3904151	B291A07938YPL KC7315	G95
3904152	B291A08733YPL KC7315	G95
3904153	B291A08900YPL KC7315	G95
3904154	B291A09129YPL KC7315	G95
3904155	B291A09700YPL KC7315	G95
3904156	B291A10716YPL KC7315	G95
3904157	B291A11509YPL KC7315	G95
3904158	B291A11908YPL KC7315	G95
3904159	B291A12300YPL KC7315	G96
3904160	B291A14288YPL KC7315	G96
3904161	B291A15875YPL KC7315	G96
3904162	B291A16100YPL KC7315	G96
3904163	B291A17463YPL KC7315	G96

Index

Order No.	Catalogue No.	Page(s)
3904164	B291A17500YPL KC7315	G96
3904165	B291A19050YPL KC7315	G96
3904168	B292A03970YPL KC7315	G94
3904169	B292A04763YPL KC7315	G94
3904170	B292A04851YPL KC7315	G94
3904171	B292A04915YPL KC7315	G94
3904172	B292A08600YPL KC7315	G95
3904173	B292A08900YPL KC7315	G95
3904174	B292A09130YPL KC7315	G95
3904175	B292A09700YPL KC7315	G95
3904176	B292A11509YPL KC7315	G95
3904177	B292A11908YPL KC7315	G95
3904178	B292A12700YPL KC7315	G96
3904179	B292A14288YPL KC7315	G96
3904180	B292A15875YPL KC7315	G96
3904182	B292A17463YPL KC7315	G96
3906105	R82154	K74
3949799	B291A10200YPL KC7315	G95
3949899	A4R1005M10U00GMN KCP25	C97
3950219	WD32FDS32146M	H102
3950220	WD32FDS36166M	H102
3950221	WD50FDS50228M	H102
3950222	WD50FDS56259M	H102
3950333	WD50FDS63289M	H102
3950653	100A08RS90SD12PL-HF	V139
3950688	B291A05900YPL KC7315	G94
3950831	KM40TSLSEL16N	D85
3950832	KM40TSLSER16N	D85
3950854	KM40TSLSER22N	D85
3950855	KM40TSLSSL16	D84
3950856	KM40TSLSSL22	D84
3950857	KM40TSLSSR16	D84
3950858	KM40TSLSSR22	D84
3951835	KM40TSE16JNEL2 KWH	D40
3951836	KM40TSE16JNER2 KWH	D40
3954092	SNMG190616RN KCPK05	B101
3954298	G50MTTB1026KM40	B387
3954300	G80MTTB1564KM63	B387
3955463	KM40TSS10DLSEL11	D86
3955464	KM40TSS10DLSER11	D86
3955465	KM40TSS12ELSEL11	D86
3955466	KM40TSS12ELSER11	D86
3955468	KM40TSS16FLSER16	D86
3955469	KM40TSS20GLSEL16	D86
3955470	KM40TSS20GLSER16	D86
3955471	KM40TSS25HLSEL16	D86
3955472	KM40TSS25HLSER16	D86
3955473	KM40TSS32JLSEL16	D86
3955474	KM40TSS32JLSER16	D86
3955475	KM40TSS32JLSEL22	D86
3955476	KM40TSS32JLSER22	D86
3955480	KM40TSS12ENEL2	D38–39
3955481	KM40TSS12ENER2	D38–39
3955482	KM40TSS16FNEL2	D38–39
3955483	KM40TSS16FNER2	D38–39
3955484	KM40TSS20GNEL2	D38–39
3955485	KM40TSS20GNER2	D38–39
3955486	KM40TSS25ENEL2	D38–39
3955487	KM40TSS25ENER2	D38–39
3955489	KM40TSS25HNER2	D38–39
3955490	KM40TSS25ENEL3	D38–39
3955491	KM40TSS25ENER3	D38–39
3955492	KM40TSS25HNEL3	D38–39
3955493	KM40TSS25HNER3	D38–39
3955495	KM40TSS32JNER3	D38–39
3955496	KM40TSS32GNEL3	D38–39
3955497	KM40TSS32GNER3	D38–39
3955980	B967A12700 KC7315	G134
3956013	B967A06000 KC7315	G132
3956014	B967A07000 KC7315	G133
3956017	B967A07400 KC7315	G133
3956018	B967A06700 KC7315	G133
3958813	EDPT180512PDSRGE KC522M	T75
3958816	EDPT180512PDSRGE KCPK30	T75
3958876	EDPT180532PDSRGE KCPK30	T75
3959399	KM40TSLSER27N	D85
3959400	KM40TSLSSL27	D84
3959401	KM40TSLSSR27	D84
3959611	EDCT10T302PDERLD KC725M	T35, T43
3959612	EDCT10T302PDERLD KCPK30	T35, T43
3959613	EDCT180512PDERLDJ KC422M	T73
3959614	EDCT180516PDERLDJ KC422M	T73
3959615	EDCT180532PDERLDJ KC422M	T73
3960806	CNGX120416S02020 KB1340	B287
3960807	CNGX120412S01015 KB1340	B287
3960808	CNGX120412S01015FW KB1340	B287
3960812	SNGX120416S02020 KB1340	B287
3964172	KDMB06M0ERGN KC505M	V118
3964191	KDMB06R150A06HN	V114
3964192	KDMB06R200A06HN	V114
3964213	KDMB08M0ERGN KC505M	V118
3964214	KDMB10M0ERGN KC505M	V118
3964215	KDMB12M0ERGN KC505M	V118
3964216	KDMB16M0ERGN KC505M	V118
3964217	KDMB20M0ERGN KC505M	V118
3964218	KDMB25M0ERGN KC505M	V118
3964219	KDMB32M0ERGN KC505M	V118
3964220	KDMB06M0ERGP KC515M	V118
3964221	KDMB08M0ERGP KC515M	V118
3964222	KDMB10M0ERGP KC515M	V118
3964223	KDMB12M0ERGP KC515M	V118
3964224	KDMB16M0ERGP KC515M	V118
3964225	KDMB20M0ERGP KC515M	V118
3964226	KDMB25M0ERGP KC515M	V118
3964227	KDMB32M0ERGP KC515M	V118
3964228	KDMB06M0ERGP KC505M	V118
3964229	KDMB08M0ERGP KC505M	V118
3964230	KDMB10M0ERGP KC505M	V118
3964231	KDMB12M0ERGP KC505M	V118
3964232	KDMB16M0ERGP KC505M	V118
3964233	KDMB20M0ERGP KC505M	V118
3964234	KDMB25M0ERGP KC505M	V118
3964235	KDMB32M0ERGP KC505M	V118
3964236	KDMB06M0ERLD K115M	V118
3964237	KDMB08M0ERLD K115M	V118
3964238	KDMB10M0ERLD K115M	V118
3964239	KDMB12M0ERLD K115M	V118
3964240	KDMB16M0ERLD K115M	V118
3964241	KDMB20M0ERLD K115M	V118
3964242	KDMB25M0ERLD K115M	V118
3964243	KDMB32M0ERLD K115M	V118
3964244	KDMB12M0ERHC KC530M	V118
3964245	KDMB16M0ERHC KC530M	V118
3964246	KDMB20M0ERHC KC530M	V118
3964247	KDMB25M0ERHC KC530M	V118
3964248	KDMB32M0ERHC KC530M	V118
3964255	KDMT10R120A10HNC	V130
3964256	KDMT10R150A10HNC	V130
3964257	KDMB06R90A08HN	V115
3964258	KDMB08R100A10HN	V115
3964259	KDMB08R150A10HN	V115
3964260	KDMB10R100A12HNC	V115
3964261	KDMB10R150A12HNC	V115
3964262	KDMB12R120A16HNC	V115
3964263	KDMB12R150A16HNC	V115
3964264	KDMB16R140A20HNC	V115
3964265	KDMB16R175A20HNC	V115
3965707	KDMT0806ERGN KC515M	V132
3965708	KDMT1008ERGN KC515M	V132
3965709	KDMT0605ERGC KC515M	V132
3965710	KDMT0810ERGC KC515M	V132
3965711	KDMT1010ERGC KC515M	V132
3965712	KDMT1010ERHC KC505M	V133
3965913	KDMT1210ERHC KC505M	V133
3965914	KDMT1610ERHC KC505M	V133
3965915	KDMT2010ERHC KC505M	V133
3965916	KDMT1008SRHF KC515M	V133
3965917	KDMT1210SRHF KC515M	V133
3965918	KDMT1615SRHF KC515M	V133
3965919	KDMT2020SRHF KC515M	V133
3965920	KDMT1008SRHF K115M	V133
3965921	KDMT1210SRHF K115M	V133
3965922	KDMT1615SRHF K115M	V133
3965923	KDMT2020SRHF K115M	V133
3967117	A4BHCR32K0217R	C122
3967124	A4BHCL32K0317R	C122
3967127	A4BHCL26K0317R	C122
3967134	A4BHCR26K0317L	C122
3967136	A4BHCL32K0217L	C122
3967137	A4BHCL32K0317L	C122
3987676	RIQ06E1300 KC6305	K55
3993990	KCI1	V153–154
3993991	KCI2	V153–154
3994693	193.537	H102–103
3994709	B291A04900YPL KC7315	G94
3994711	B291A09800YPL KC7315	G95
3998775	KSEM1735HPGM KC7315	H42
3999270	TRM50R0720M	E65
3999273	TRM50L0932M	E65
3999274	TRM50R0932M	E65
3999275	TRM50L0632M	E65
3999276	TRM50R0632M	E65
3999277	TRM50L0950M	E65
3999278	TRM50R0950M	E65
4000408	KSEMP2800FDS28A1M	H80, H91, H98
4000409	WD32FDS28128M	H102
4000411	WD32FDS28345M	H103
4003224	KSEM2565HPGM KC7315	H43
4003518	RIQ06R0200 KD1415	K54
4003520	B966A17000 KC7315	G134
4003521	B966A17500 KC7315	G134
4003522	B966A18000 KC7315	G134
4004710	CM215R ASSY	B149–150, B152
4004750	63A09RF84SN12B1W	S103
4004751	80A12RF84SN12B2W	S103
4004752	100B15RF84SN12B3W	S103
4004793	125B18RF84SN12B3W	S103
4004794	160C24RF84SN12B3W	S103
4005063	66A06RS90RP12	V72
4005704	LNUX191940RRP KCP10	E52
4005706	LNUX191940RRP KCP25	E52
4006482	B976F03000 KC7315	G143
4006503	B976A19840 KC7315	G142
4006504	B977A19840 KC7315	G142
4006830	KTIP270R8SS32M	H31
4008096	TNMG160408FP KCP10	B124
4011180	EDCT180550PDFRLDJ KC410M	T73
4011227	B532A06700SPF KDF400	G105
4024763	80A08RS90RP12	V72
4025498	63A07RS90RP12	V72
4025911	B978A04800 KC7315	G146
4026180	T631M050X080R6HX-D1 KM6515	M25
4026181	T631M060X100R6HX-D1 KM6515	M25
4026182	T631M080X125R6HX-D1 KM6515	M25
4026223	T631M100X150R6HX-D1 KM6515	M25
4026224	T631M120X175R6HX-D6 KM6515	M25
4026225	T631M140X200R6HX-D6 KM6515	M25
4026226	T631M160X200R6HX-D6 KM6515	M25
4026227	T631M180X250R6HX-D6 KM6515	M25
4026231	T631MF080X100R6HX-D4 KM6515	M25
4026232	T631MF100X100R6HX-D4 KM6515	M25
4026233	T631MF100X125R6HX-D4 KM6515	M25
4026234	T631MF120X125R6HX-D4 KM6515	M25
4026235	T631MF120X150R6HX-D4 KM6515	M25
4026236	T631MF140X125R6HX-D4 KM6515	M25
4026237	T631MF140X150R6HX-D4 KM6515	M25
4026238	T631MF160X150R6HX-D4 KM6515	M25
4026239	T631MF180X150R6HX-D4 KM6515	M25
4027389	100B09RS90RP12	V72
4027886	T621M050X080R6HX-D1 KM6515	M7
4027887	T621M060X100R6HX-D1 KM6515	M7
4027888	T621M080X125R6HX-D1 KM6515	M7
4027889	T621M100X150R6HX-D1 KM6515	M7
4027890	T621M120X175R6HX-D6 KM6515	M7
4027916	T621M140X200R6HX-D6 KM6515	M7
4027917	T621M160X200R6HX-D6 KM6515	M7
4027918	T621M180X250R6HX-D6 KM6515	M7
4027919	T621MF080X100R6HX-D4 KM6515	M7
4027920	T621MF100X100R6HX-D4 KM6515	M7
4027921	T621MF100X125R6HX-D4 KM6515	M7
4027922	T621MF120X150R6HX-D4 KM6515	M7
4027923	T621MF140X150R6HX-D4 KM6515	M7
4027924	T621MF160X150R6HX-D4 KM6515	M7
4027925	T621MF180X150R6HX-D4 KM6515	M7
4028488	T621M050X080R6HX-D1 KP6525	M7
4028489	T621M060X100R6HX-D1 KP6525	M7
4028490	T621M080X125R6HX-D1 KP6525	M7
4028491	T621M100X150R6HX-D1 KP6525	M7
4028492	T621M120X175R6HX-D6 KP6525	M7
4028503	T621M140X200R6HX-D6 KP6525	M7
4028504	T621M160X200R6HX-D6 KP6525	M7
4028505	T621M180X250R6HX-D6 KP6525	M7
4028506	T621MF080X100R6HX-D4 KP6525	M7
4028507	T621MF100X100R6HX-D4 KP6525	M7
4028508	T621MF100X125R6HX-D4 KP6525	M7
4028509	T621MF120X125R6HX-D4 KP6525	M7
4028510	T621MF120X150R6HX-D4 KP6525	M7
4028511	T621MF140X125R6HX-D4 KP6525	M7
4028512	T621MF140X150R6HX-D4 KP6525	M7
4028513	T621MF160X150R6HX-D4 KP6525	M7
4028514	T621MF180X150R6HX-D4 KP6525	M7
4028861	B271Z02383KMS KN25	G74
4028862	B271Z02400KMS KN25	G74
4028873	B271Z02439KMS KN25	G74
4028874	B271Z02489KMS KN25	G74
4028875	B271Z02500KMS KN25	G74
4028876	B271Z02578KMS KN25	G74
4028877	B271Z02600KMS KN25	G74
4028880	B271Z02779KMS KN25	G74
4028881	B271Z02800KMS KN25	G74
4028882	B271Z02820KMS KN25	G74
4028883	B271Z02870KMS KN25	G74
4028884	B271Z02900KMS KN25	G74
4028885	B271Z02947KMS KN25	G74
4028886	B272Z02383KMS KN25	G76
4028887	B272Z02400KMS KN25	G76
4028888	B272Z02439KMS KN25	G76
4028889	B272Z02489KMS KN25	G76
4028890	B272Z02500KMS KN25	G76
4028896	B272Z02800KMS KN25	G76
4028900	B272Z02947KMS KN25	G76
4028901	B273Z02383KMS KN25	G78
4028903	B273Z02439KMS KN25	G78
4028910	B273Z02779KMS KN25	G78
4028911	B273Z02800KMS KN25	G78
4028912	B273Z02820KMS KN25	G78
4028913	B273Z02870KMS KN25	G78
4028915	B273Z02947KMS KN25	G78
4028916	B274Z02383KMS KN25	G79
4028917	B274Z02400KMS KN25	G79
4028918	B274Z02439KMS KN25	G79
4028920	B274Z02500KMS KN25	G79
4028922	B274Z02600KMS KN25	G79
4028923	B274Z02642KMS KN25	G79
4028925	B274Z02779KMS KN25	G79
4028926	B274Z02800KMS KN25	G79
4028928	B274Z02870KMS KN25	G79
4028929	B274Z02900KMS KN25	G79
4028930	B274Z02947KMS KN25	G79
4029315	HNPJ130720ANSNGD KC725M	S26
4029316	HNPJ130720ANSNGD KCPK30	S26
4032304	UEBE0200A3A KC643M	P195
4032305	UEBE0300A3A KC643M	P195
4032306	UEBE0400A3A KC643M	P195
4032307	UEBE0500A3A KC643M	P195
4032308	UEBE0600A3A KC643M	P195
4032309	UEBE0800A3A KC643M	P195
4032310	UEBE1000A3A KC643M	P195
4032311	UEBE1200A3A KC643M	P195
4032783	UEDE0200A3AS KC643M	P192
4032784	UEDE0300A3AS KC643M	P192
4032785	UEDE0400A3AS KC643M	P192
4032786	UEDE0500A3AS KC643M	P192
4032787	UEDE0600A3AS KC643M	P192
4032788	UEDE0800A3AS KC643M	P192
4032789	UEDE1000A3AS KC643M	P192
4032790	UEDE1200A3AS KC643M	P192
4032791	UEDE0200B3AS KC643M	P192
4032792	UEDE0300B3AS KC643M	P192
4032793	UEDE0400B3AS KC643M	P192
4032794	UEDE0500B3AS KC643M	P192
4032795	UEDE0600B3AS KC643M	P192
4032796	UEDE0800B3AS KC643M	P192
4032797	UEDE1000B3AS KC643M	P192
4032798	UEDE1200B3AS KC643M	P192
4032802	UEDE0400A4AH KC643M	P193
4032813	UEDE0600A4AH KC643M	P193
4032814	UEDE0800A4AH KC643M	P193
4032815	UEDE1000A4AH KC643M	P193
4032816	UEDE1200A4AH KC643M	P193
4032817	UEDE0400B4AH KC643M	P193
4032820	UEDE0600B4AH KC643M	P193
4032821	UEDE0800B4AH KC643M	P193
4032822	UEDE1000B4AH KC643M	P193
4032823	UEDE1200B4AH KC643M	P193

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4033713	B707A12700FBS KN15	G115
4033714	B707A12700FBL KCMS15	G115
4033829	NA4L8 KCU25	D12
4033830	NA4R4 KCU25	D12
4033833	NA6L2 KCU25	D12
4033834	NA6L25 KCU25	D12
4033835	NA6L3 KCU25	D12
4033836	NA6R2 KCU25	D12
4033838	NA6R3 KCU25	D12
4033841	ND4050R KCU25	D14
4033845	NDC38RDL75 KCU25	D15
4033846	NDC38RDR75 KCU25	D15
4033852	NG1031L KCU25	C155
4033853	NG1047L KCU25	C155
4033854	NG1062L KCU25	C155
4033855	NG1094L KCU25	C155
4033856	NG5312R KCU25	C154
4033858	NG6375R KCU25	C154
4033859	NT1L KCU25	D25
4033863	NTB3RB KCU25	D20
4033872	NTC3R12E KCU25	D22
4033877	NTC3R18E KCU25	D22
4033882	NTU4R KCU25	D24
4033883	NU3094L KCU25	C161
4033886	NU3125R KCU25	C161
4033887	NV3RJ KCU25	C162
4033888	NV4LL KCU25	C162
4033889	NV4RL KCU25	C162
4033892	NWC3R14E KCU25	D25
4034717	A4G0200M02P02GMP KCU10	C95
4034718	A4G0205M02U02GMN KCU10	C96
4034720	A4G0250M2BP02GMP KCU10	C95
4034721	A4G0300M03P02GMP KCU10	C95
4034722	A4G0300M03P04GMP KCU10	C95
4034773	A4G0305M03U02GMN KCU10	C96
4034774	A4G0305M03U02GMP KCU10	C95
4034775	A4G0305M03U04GMN KCU10	C96
4034776	A4G0305M03U04GMP KCU10	C95
4034777	A4G0400M04P02GMP KCU10	C95
4034778	A4G0400M04P04GMP KCU10	C95
4034779	A4G0400M04P08GMP KCU10	C95
4034780	A4G0405M04U04GMN KCU10	C96
4034781	A4G0405M04U04GMP KCU10	C95
4034782	A4G0405M04U08GMN KCU10	C96
4034784	A4G0500M05P04GMP KCU10	C95
4034785	A4G0500M05P08GMP KCU10	C95
4034786	A4G0505M05U04GMN KCU10	C96
4034787	A4G0505M05U04GMP KCU10	C95
4034788	A4G0505M05U08GMN KCU10	C96
4034790	A4G0600M06P04GMP KCU10	C95
4034791	A4G0600M06P08GMP KCU10	C95
4034792	A4G0605M06U04GMN KCU10	C96
4034794	A4G0605M06U08GMN KCU10	C96
4034799	A4G0800M08P12GMP KCU10	C95
4034800	A4G0805M08U08GMN KCU10	C96
4034802	A4G094I2BP05GMN KCU10	C97
4034805	A4G1005M10U08GMP KCU10	C95
4034806	A4G125I03P05GMN KCU10	C97
4034807	A4G125I03P1GMN KCU10	C97
4034808	A4G187I04P1GMN KCU10	C97
4034809	A4G187I04P2GMN KCU10	C97
4034810	A4G250I06P1GMN KCU10	C97
4034811	A4G250I06P2GMN KCU10	C97
4034812	A4G375I10P2GMN KCU10	C97
4034813	A4R0200M02P00GMP KCU10	C96
4034815	A4R0300M03P00GMP KCU10	C96
4034816	A4R0305M03U00GMN KCU10	C97
4034817	A4R0400M04P00GMP KCU10	C96
4034818	A4R0405M04U00GMN KCU10	C97
4034819	A4R0500M05P00GMP KCU10	C96
4034820	A4R0505M05U00GMN KCU10	C97
4034821	A4R0600M06P00GMP KCU10	C96
4034822	A4R0605M06U00GMN KCU10	C97
4034823	A4R0800M08P00GMP KCU10	C96
4034824	A4R0805M08U00GMN KCU10	C97
4034825	A4R1005M10U00GMN KCU10	C97
4034826	A4R125I03P00GMN KCU10	C97
4034827	A4R187I04P00GMN KCU10	C97
4034828	A4R250I06P00GMN KCU10	C97
4034829	A4R312I08P00GMN KCU10	C97
4034878	WOEJ090512SRHD KC522M	V41
4034880	WOEJ090512SRHD KC725M	V41
4034881	WOEJ090512SRHD KCPK30	V41
4034882	WOEJ090512SRGD KC522M	V41
4034925	WOEJ090512SRGD KC725M	V41
4034927	WOEJ090512SRGD KCPK30	V41
4035459	T640M040X070R6HX-D1 KP6525	M63
4035460	T640M050X080R6HX-D1 KP6525	M63
4035461	T640M060X100R6HX-D1 KP6525	M63
4035462	T640M080X125R6HX-D1 KP6525	M63
4035463	T640M100X150R6HX-D1 KP6525	M63
4035464	T640M120X175R6HX-D6 KP6525	M63
4035465	T640M140X200R6HX-D6 KP6525	M63
4035466	T640M160X200R6HX-D6 KP6525	M63
4035467	T640M180X250R6HX-D6 KP6525	M63
4035468	T640M200X250R6HX-D6 KP6525	M63
4035469	T640M220X250R6HX-D6 KP6525	M63
4035525	T641M050X080R6HX-D1 KP6525	M64
4035526	T641M060X100R6HX-D1 KP6525	M64
4035527	T641M080X125R6HX-D1 KP6525	M64
4035528	T641M100X150R6HX-D1 KP6525	M64
4035529	T641M120X175R6HX-D6 KP6525	M64
4035530	T641M140X200R6HX-D6 KP6525	M64
4035531	T641M160X200R6HX-D6 KP6525	M64
4035532	T641M180X250R6HX-D6 KP6525	M64
4035533	T641M200X250R6HX-D6 KP6525	M64
4035585	RCMX3209M0RU KCP10	E61
4035586	RCMX3209M0RU KCK20	E61
4035593	RCMX2507M0RU KCK20	E61
4035595	RCMH2507M0RU KCP25	E60
4035698	LNUX191940RRF KCP10	E51
4036621	RPGN090300E KYSP30	V155
4036916	LNUX191940RRF KCP25	E51
4038003	LNPU2410ANSRHD KCPK30	S117
4038004	LNPU2410ANSRHD KCK15	S117
4038005	LNPU2410ANSRHD KC725M	S117
4039608	SM-906 KC720	S116, S120, S122
4039774	MS2236	V114–115
4040133	SPGX070308MD KCU25	J89
4040135	SPGX070308HP KCU25	J89
4040138	SPPX09T310MD KCU25	J89
4040139	SPPX120412MD KCU25	J89
4040141	SPPX120412HP KCU25	J89
4040142	SPPX15T512MD KCU25	J89
4040758	RPET1204M0ELEJ KC422M	V73
4040905	KCI3M	V153–154
4040931	MEGA45D125B06LN24	S116
4040932	MEGA45D160C07LN24	S116
4040954	MEGA45D250C11LN24	S116
4040955	MEGA45D315C13LN24	S116
4042332	KSHRHF50A04RS15HN09	S17
4042533	KSHRHF63A05RS15HN09	S17
4042534	KSHRHF80A06RS15HN09	S17
4042535	KSHRHF100B08RS15HN09	S17
4042536	KSHRHF125B09RS15HN09	S17
4042537	KSHRHF160C12RS15HN09	S17
4042538	B976Z02383 KC7315	G138
4042539	B976Z02400 KC7315	G138
4042540	B976Z02439 KC7315	G138
4042541	B976Z02489 KC7315	G138
4042542	B976Z02500 KC7315	G138
4042543	B976Z02578 KC7315	G138
4042544	B976Z02600 KC7315	G138
4042545	B976Z02642 KC7315	G138
4042546	B976Z02705 KC7315	G138
4042547	B976Z02779 KC7315	G138
4042548	B976Z02800 KC7315	G138
4042549	B976Z02820 KC7315	G138
4042550	B976Z02870 KC7315	G138
4042551	B976Z02900 KC7315	G138
4042552	B976Z02947 KC7315	G138
4042581	40E03R045M16RP16	V77
4042582	40E02R040A32RP16L200	V77
4042693	52A04RS90RP16	V78
4042694	63A04RS90RP16	V78
4042695	63A06RS90RP16	V78
4042696	80A05RS90RP16	V78
4042697	80A07RS90RP16	V78
4042698	100B06RS90RP16	V78
4042699	100B08RS90RP16	V78
4042700	125B09RS90RP16	V78
4042840	SPGX070308FP KCU25	J90
4042841	SPPX09T310FP KCU25	J90
4042842	SPPX09T310HP KCU25	J89
4042887	SPGX070308FP KCPK10	J90
4042888	SPGX070308MD KCPK10	J89
4042889	SPGX070308HP KCPK10	J89
4042890	SPPX09T310FP KCPK10	J90
4042891	SPPX09T310MD KCPK10	J89
4042892	SPPX09T310HP KCPK10	J89
4042903	SPPX120412FP KCPK10	J90
4042904	SPPX120412MD KCPK10	J89
4042905	SPPX120412HP KCPK10	J89
4042906	SPPX15T512FP KCPK10	J90
4042907	SPPX15T512MD KCPK10	J89
4042908	SPPX15T512HP KCPK10	J89
4042913	SPPX120412FP KCU25	J90
4042914	SPPX15T512FP KCU25	J90
4042915	SPPX15T512HP KCU25	J89
4042933	SPGX070308FP KCU40	J90
4042934	SPGX070308MD KCU40	J89
4042935	SPGX070308HP KCU40	J89
4042936	SPPX09T310FP KCU40	J90
4042937	SPPX09T310MD KCU40	J89
4042938	SPPX09T310HP KCU40	J89
4042939	SPPX120412FP KCU40	J90
4042940	SPPX120412MD KCU40	J89
4042941	SPPX120412HP KCU40	J89
4042942	SPPX15T512FP KCU40	J90
4042943	SPPX15T512MD KCU40	J89
4042944	SPPX15T512HP KCU40	J89
4043046	32E03R045M16RP12	V70
4043047	40E04R045M16RP12	V70
4043048	32A03R040B32RP12	V70
4043049	32A03R040A32RP12L190	V71
4043050	40A04RS90RP12	V72
4043051	50A04RS90RP12	V72
4043052	50A05RS90RP12	V72
4043063	63A05RS90RP12	V72
4043064	80A06RS90RP12	V72
4043065	100B07RS90RP12	V72
4044264	B532A07200SPF KDF400	G105
4044820	TCGT110201LF KCU10	B243
4044821	TCGT110204HP KCU10	B243
4044822	TCGT110204LF KCU10	B243
4045101	VNGG160402LF KCU10	B143
4045102	VNGG160404LF KCU10	B143
4045134	CCGT060202HP KCU10	B175
4045135	CCGT060202LF KCU10	B175
4045136	CCGT060201LF KCU10	B175
4045137	CCGT060204HP KCU10	B175
4045138	CCGT060204LF KCU10	B175
4045140	CCGT060208LF KCU10	B175
4045141	CCGT09T302HP KCU10	B175
4045142	CCGT09T302LF KCU10	B175
4045143	VNGG160408LF KCU10	B143
4045144	VNGG220408LF KCU10	B143
4045145	VNGP160401 KCU10	B143
4045146	VNGP160402 KCU10	B143
4045147	VNGP220404 KCU10	B143
4045148	VNGP220408 KCU10	B143
4045149	VNMG160404FF KCU10	B145
4045150	VNMG160404MP KCU10	B146
4045151	VNMG160404P KCU10	B146
4045163	VNMG160408FF KCU10	B145
4045164	VNMG160408MP KCU10	B146
4045166	VNMG160408P KCU10	B146
4045167	VNMG160408RP KCU10	B147
4045168	VNMG160408UP KCU10	B147
4045169	VNMG160412MP KCU10	B146
4045170	WNGG080402LF KCU10	B154
4045172	WNGG080404LF KCU10	B154
4045174	WNMG060404FW KCU10	B156
4045175	WNMG060404MP KCU10	B157
4045176	WNMG060408FW KCU10	B156
4045177	WNMG060408MP KCU10	B157
4045178	WNMG060408RP KCU10	B159
4045179	WNMG080404FW KCU10	B156
4045180	WNMG080404P KCU10	B158
4045181	WNMG080408FW KCU10	B156
4045182	WNMG080408MP KCU10	B157
4045184	WNMG080408P KCU10	B158
4045185	WNMG080408RP KCU10	B159
4045186	WNMG080408UP KCU10	B160
4045187	WNMG080412MP KCU10	B157
4045188	WNMG080412RP KCU10	B159
4045189	WNMG080412UP KCU10	B160
4045193	CCGT09T301LF KCU10	B175
4045194	CCGT09T304HP KCU10	B175
4045195	CCGT09T304LF KCU10	B175
4045196	CCGT09T308HP KCU10	B175
4045197	CCGT09T308LF KCU10	B175
4045198	CCGT120402HP KCU10	B175
4045199	CCGT120404HP KCU10	B175
4045200	CCGT120408HP KCU10	B175
4045202	CCMT060204FW KCU10	B176
4045204	CCMT09T304FW KCU10	B176
4045205	CCMT09T304MW KCU10	B178
4045206	CCMT09T308FW KCU10	B176
4045207	CCMT09T308MW KCU10	B178
4045210	CPGH09T301 KCU10	B188
4045211	CPGH09T302 KCU10	B188
4045212	CPGH09T304 KCU10	B188
4045213	CPGH09T308 KCU10	B188
4045214	CPGT060202HP KCU10	B188
4045215	CPGT060202LF KCU10	B189
4045216	CPGT060201LF KCU10	B189
4045217	CPGT060204HP KCU10	B188
4045218	CPGT060204LF KCU10	B189
4045220	CPGT060208LF KCU10	B189
4045221	CPGT09T302HP KCU10	B188
4045222	CPGT09T302LF KCU10	B189
4045223	CPGT09T304HP KCU10	B188
4045224	CPGT09T304LF KCU10	B189
4045225	CPGT09T308HP KCU10	B188
4045226	CPGT09T308LF KCU10	B189
4045228	CPMT060204FW KCU10	B189
4045229	CPMT060208FW KCU10	B189
4045231	CPMT09T304MW KCU10	B191
4045232	CPMT09T308FW KCU10	B189
4045237	DCGT070202HP KCU10	B206
4045238	DCGT070201LF KCU10	B206
4045239	DCGT070204HP KCU10	B206
4045240	DCGT070208HP KCU10	B206
4045241	DCGT11T302HP KCU10	B206
4045242	DCGT11T301LF KCU10	B206
4045245	DCGR150404 KCU10	E28
4045246	DCGR150408 KCU10	E28
4045248	KCGR110304L08 KCU10	E29
4045249	KCGR110304R08 KCU10	E29
4045250	KCGR110308L08 KCU10	E29
4045251	KCGR110308R08 KCU10	E29
4045263	DCGT11T304HP KCU10	B206
4045264	DCGT11T308HP KCU10	B206
4045265	DCGT150408LF KCU10	B206
4045266	DCMT11T304FW KCU10	B207
4045267	DCMT11T304MW KCU10	B208
4045268	DCMT11T308FW KCU10	B207
4045269	DCMT11T308LF KCU10	B207
4045270	DCMT11T308MW KCU10	B208
4045272	DPGT070202LF KCU10	B214
4045274	DPGT070204HP KCU10	B214
4045275	DPGT070204LF KCU10	B214
4045277	DPGT11T302LF KCU10	B214
4045279	DPGT11T304HP KCU10	B214
4045280	DPGT11T304LF KCU10	B214
4045281	DPGT11T308HP KCU10	B214
4045282	DPGT11T308LF KCU10	B214
4045283	DPMT070208FW KCU10	B215
4045284	RCGT10T3M0HP KCU10	B222
4045285	RCGT1204M0HP KCU10	B222
4045286	RCMT0602M0 KCU10	B224
4045288	RCMT10T3M0 KCU10	B224
4045289	RCMT1204M0 KCU10	B224
4045290	RCMT1605M0 KCU10	B224
4045291	RCMT2006M0 KCU10	B224
4045292	RCMT060200 KCU10	B224
4045293	RCMT09T300 KCU10	B224
4045294	SPGT09T304LF KCU10	B238
4045295	SPGT09T308LF KCU10	B238
4045316	TCGT16T304HP KCU10	B243
4045317	TCGT16T304LF KCU10	B243
4045318	TCGT16T308HP KCU10	B243
4045319	TCGT16T308LF KCU10	B243
4045321	TPGT090202LF KCU10	B254
4045322	TPGT090204LF KCU10	B254
4045323	TPGT110202HP KCU10	B254

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4045324	TPGT110202LF KCU10	B254
4045325	TPGT110201LF KCU10	B254
4045327	TPGT110204LF KCU10	B254
4045329	TPGT110208LF KCU10	B254
4045330	TPGT16T302HP KCU10	B254
4045331	TPGT16T304HP KCU10	B254
4045333	TPGT16T308HP KCU10	B254
4045334	TPGT16T308LF KCU10	B254
4045335	VBGT110302HP KCU10	B264
4045336	VBGT110302LF KCU10	B264
4045337	VBGT110301LF KCU10	B264
4045338	VBGT110304HP KCU10	B264
4045339	VBGT110304LF KCU10	B264
4045340	VBGT160402LF KCU10	B264
4045341	VBGT160401LF KCU10	B264
4045342	VBGT160404HP KCU10	B264
4045343	VBGT160404LF KCU10	B264
4045344	VBGT160408HP KCU10	B264
4045345	WPGTS30102UF KCU10	B272
4045346	WPGTS30101UF KCU10	B272
4045347	WPGT040202UF KCU10	B272
4045406	KNGX220408L20 KCU10	E30
4045409	KCGX110302L15 KCU10	E31
4045410	KCGX110304L15 KCU10	E31
4045412	KNGX150401R15 KCU10	E30
4045413	KNGX150402R15 KCU10	E30
4045415	KNGX150408R20 KCU10	E30
4045416	KNGX220408R32 KCU10	E30
4045417	KCGX110301R15 KCU10	E31
4045418	KCGX110302R15 KCU10	E31
4045419	KCGX110304R15 KCU10	E31
4045420	KCGX110308R15 KCU10	E31
4045425	VCMR160408 KCU10	E33
4045426	VCGR160402 KCU10	E34
4045427	VCGR160404 KCU10	E34
4045428	VCGR160408 KCU10	E34
4045429	VCGR160412 KCU10	E34
4045430	VCGR160416 KCU10	E34
4046029	F4BS0600AWM38R050 KCPM15	P19
4046030	F4BS0600AWM38R100 KCPM15	P19
4046031	F4BS0800AWM38R050 KCPM15	P19
4046032	F4BS0800AWM38R100 KCPM15	P19
4046063	B291A04763YPL KC7315	G94
4046064	B291A11113YPL KC7315	G95
4046234	F4AS0600AWM38R050 KCPM15	P18
4046235	F4AS0600AWM38R100 KCPM15	P18
4046236	F4AS0600BWM38R050 KCPM15	P18
4046237	F4AS0600BWM38R100 KCPM15	P18
4046238	F4AS0800AWM38R050 KCPM15	P18
4046239	F4AS0800AWM38R100 KCPM15	P18
4046240	F4AS0800BWM38R050 KCPM15	P18
4046241	F4AS0800BWM38R100 KCPM15	P18
4046242	F4AS1000AWL38R050 KCPM15	P18
4046263	F4AS0400ADL38 KCPM15	P16
4046264	F4AS0400BDL38 KCPM15	P16
4046265	F4AS0500ADL38 KCPM15	P16
4046266	F4AS0500BDL38 KCPM15	P16
4046267	F4AS0600ADL38 KCPM15	P16
4046268	F4AS0600BDL38 KCPM15	P16
4046269	F4AS0800ADL38 KCPM15	P16
4046270	F4AS0800BDL38 KCPM15	P16
4046271	F4AS1000ADL38 KCPM15	P16
4046272	F4AS1000BDL38 KCPM15	P16
4046273	F4AS1200ADL38 KCPM15	P16
4046274	F4AS1200BDL38 KCPM15	P16
4046275	F4AS1400BDL38 KCPM15	P16
4046276	F4AS1600ADL38 KCPM15	P16
4046277	F4AS1600BDL38 KCPM15	P16
4046278	F4AS1800ADL38 KCPM15	P16
4046279	F4AS1800BDL38 KCPM15	P16
4046280	F4AS2000ADL38 KCPM15	P16
4046281	F4AS2000BDL38 KCPM15	P16
4046282	F4AS2500ADL38 KCPM15	P16
4046283	F4AS2500BDL38 KCPM15	P16
4046284	UCDE0400A5ARA KCPM15	P30
4046285	UCDE0400A5ASA KCPM15	P30
4046286	UCDE0400B5ARA KCPM15	P30
4046288	UCDE0500A5ARA KCPM15	P30
4046289	UCDE0500A5ASA KCPM15	P30
4046290	UCDE0500B5ARA KCPM15	P30
4046291	UCDE0600A5ARA KCPM15	P30
4046292	UCDE0600A5ASA KCPM15	P30
4046303	F4BS1000AWL38R050 KCPM15	P19
4046304	F4BS1000AWL38R100 KCPM15	P19
4046305	F4BS1000AWL38R200 KCPM15	P19
4046306	F4BS1000AWL38R300 KCPM15	P19
4046307	F4BS1000AWL38R400 KCPM15	P19
4046308	F4BS1200AWL38R050 KCPM15	P19
4046309	F4BS1200AWL38R100 KCPM15	P19
4046310	F4BS1200AWL38R200 KCPM15	P19
4046311	F4BS1200AWL38R300 KCPM15	P19
4046312	F4BS1200AWL38R400 KCPM15	P19
4046313	F4BS1600AWX38R050 KCPM15	P19
4046314	F4BS1600AWX38R100 KCPM15	P19
4046315	F4BS1600AWX38R200 KCPM15	P19
4046316	F4BS1600AWX38R300 KCPM15	P19
4046317	F4BS1600AWX38R400 KCPM15	P19
4046318	F4BS2000AWX38R050 KCPM15	P19
4046319	F4BS2000AWX38R100 KCPM15	P19
4046320	F4BS2000AWX38R200 KCPM15	P19
4046321	F4BS2000AWX38R300 KCPM15	P19
4046322	F4BS2000AWX38R400 KCPM15	P19
4046323	F4BS2500AWX38R050 KCPM15	P19
4046324	F4BS2500AWX38R100 KCPM15	P19
4046325	F4BS2500AWX38R200 KCPM15	P19
4046326	F4BS2500AWX38R300 KCPM15	P19
4046327	F4BS2500AWX38R400 KCPM15	P19
4046328	F4BS0600BWM38R050 KCPM15	P19
4046329	F4BS0600BWM38R100 KCPM15	P19
4046330	F4BS0800BWM38R050 KCPM15	P19
4046331	F4BS0800BWM38R100 KCPM15	P19
4046332	F4BS1000BWL38R050 KCPM15	P19
4046333	F4BS1000BWL38R100 KCPM15	P19
4046334	F4BS1000BWL38R200 KCPM15	P19
4046335	F4BS1000BWL38R300 KCPM15	P19
4046336	F4BS1000BWL38R400 KCPM15	P19
4046337	F4BS1200BWL38R050 KCPM15	P19
4046338	F4BS1200BWL38R100 KCPM15	P19
4046339	F4BS1200BWL38R200 KCPM15	P19
4046340	F4BS1200BWL38R300 KCPM15	P19
4046341	F4BS1200BWL38R400 KCPM15	P19
4046342	F4BS1600BWX38R050 KCPM15	P19
4046343	F4BS1600BWX38R100 KCPM15	P19
4046344	F4BS1600BWX38R200 KCPM15	P19
4046345	F4BS1600BWX38R300 KCPM15	P19
4046346	F4BS1600BWX38R400 KCPM15	P19
4046347	F4BS2000BWX38R050 KCPM15	P19
4046348	F4BS2000BWX38R100 KCPM15	P19
4046349	F4BS2000BWX38R200 KCPM15	P19
4046350	F4BS2000BWX38R300 KCPM15	P19
4046351	F4BS2000BWX38R400 KCPM15	P19
4046352	F4BS2500BWX38R050 KCPM15	P19
4046353	F4BS2500BWX38R100 KCPM15	P19
4046354	F4BS2500BWX38R200 KCPM15	P19
4046355	F4BS2500BWX38R300 KCPM15	P19
4046356	F4BS2500BWX38R400 KCPM15	P19
4046357	F3AS0300BDK35 KCPM15	P102
4046358	F3AS0400BDK35 KCPM15	P102
4046359	F3AS0500BDK35 KCPM15	P102
4046360	F3AS0600BDK35 KCPM15	P102
4046361	F3AS0800BDK35 KCPM15	P102
4046362	F3AS1000BDK35 KCPM15	P102
4046363	F4AS1000AWL38R100 KCPM15	P18
4046364	F4AS1000AWL38R200 KCPM15	P18
4046365	F4AS1000AWL38R300 KCPM15	P18
4046366	F4AS1000AWL38R400 KCPM15	P18
4046367	F4AS1000BWL38R050 KCPM15	P18
4046368	F4AS1000BWL38R100 KCPM15	P18
4046369	F4AS1000BWL38R200 KCPM15	P18
4046370	F4AS1000BWL38R300 KCPM15	P18
4046371	F4AS1000BWL38R400 KCPM15	P18
4046372	F4AS1200AWL38R050 KCPM15	P18
4046373	UCDE0600B5ARA KCPM15	P30
4046374	UCDE0700A5ARA KCPM15	P30
4046375	UCDE0700A5ASA KCPM15	P30
4046376	UCDE0700B5ARA KCPM15	P30
4046377	UCDE0800A5ARA KCPM15	P30
4046378	UCDE0800A5ASA KCPM15	P30
4046379	UCDE0800B5ARA KCPM15	P30
4046380	UCDE0900A5ARA KCPM15	P30
4046381	UCDE0900A5ASA KCPM15	P30
4046382	UCDE0900B5ARA KCPM15	P30
4046383	UCDE1000A5ARA KCPM15	P30
4046384	UCDE1000A5ASA KCPM15	P30
4046385	UCDE1000B5ARA KCPM15	P30
4046386	UCDE1200A5ARA KCPM15	P30
4046387	UCDE1200A5ASA KCPM15	P30
4046388	UCDE1200B5ARA KCPM15	P30
4046389	UCDE1400A5ARA KCPM15	P30
4046390	UCDE1400A5ASA KCPM15	P30
4046391	UCDE1400B5ARA KCPM15	P30
4046392	UCDE1600A5ARA KCPM15	P30
4046393	UCDE1600A5ASA KCPM15	P30
4046394	UCDE1600B5ARA KCPM15	P30
4046395	UCDE1800A5ARA KCPM15	P30
4046396	UCDE1800A5ASA KCPM15	P30
4046397	UCDE1800B5ARA KCPM15	P30
4046398	UCDE2000A5ARA KCPM15	P30
4046399	UCDE2000A5ASA KCPM15	P30
4046400	UCDE2000B5ARA KCPM15	P30
4046401	UCDE2500A5ARA KCPM15	P30
4046402	UCDE2500A5ASA KCPM15	P30
4046403	UCDE2500B5ARA KCPM15	P30
4046413	F4AS1200AWL38R100 KCPM15	P18
4046414	F4AS1200AWL38R200 KCPM15	P18
4046415	F4AS1200AWL38R300 KCPM15	P18
4046416	F4AS1200AWL38R400 KCPM15	P18
4046417	F4AS1200BWL38R050 KCPM15	P18
4046418	F4AS1200BWL38R100 KCPM15	P18
4046419	F4AS1200BWL38R200 KCPM15	P18
4046420	F4AS1200BWL38R300 KCPM15	P18
4046421	F4AS1200BWL38R400 KCPM15	P18
4046422	F4AS1600AWX38R050 KCPM15	P18
4046423	F4AS1600AWX38R100 KCPM15	P18
4046424	F4AS1600AWX38R200 KCPM15	P18
4046425	F4AS1600AWX38R300 KCPM15	P18
4046426	F4AS1600AWX38R400 KCPM15	P18
4046427	F4AS1600BWX38R050 KCPM15	P18
4046428	F4AS1600BWX38R100 KCPM15	P18
4046429	F4AS1600BWX38R200 KCPM15	P18
4046430	F4AS1600BWX38R300 KCPM15	P18
4046431	F4AS1600BWX38R400 KCPM15	P18
4046432	F4AS2000AWX38R050 KCPM15	P18
4046433	F4AS2000AWX38R100 KCPM15	P18
4046434	F4AS2000AWX38R200 KCPM15	P18
4046435	F4AS2000AWX38R300 KCPM15	P18
4046436	F4AS2000AWX38R400 KCPM15	P18
4046437	F4AS2000BWX38R050 KCPM15	P18
4046438	F4AS2000BWX38R100 KCPM15	P18
4046439	F4AS2000BWX38R200 KCPM15	P18
4046440	F4AS2000BWX38R300 KCPM15	P18
4046441	F4AS2000BWX38R400 KCPM15	P18
4046442	F4AS2500AWX38R050 KCPM15	P18
4046443	F4AS2500AWX38R100 KCPM15	P18
4046444	F4AS2500AWX38R200 KCPM15	P18
4046446	F4AS2500AWX38R400 KCPM15	P18
4046447	F4AS2500BWX38R050 KCPM15	P18
4046449	F4AS2500BWX38R200 KCPM15	P18
4046450	F4AS2500BWX38R300 KCPM15	P18
4046451	F4AS2500BWX38R400 KCPM15	P18
4046452	F3AW0600AWL35E120 KCPM15	P103
4046453	F3AS1200BDK35 KCPM15	P102
4046454	F3AS1400BDK35 KCPM15	P102
4046455	F3AS1600BDK35 KCPM15	P102
4046457	F3AS2000BDK35 KCPM15	P102
4046458	F3BH0400BDL30 KCPM15	P81
4046459	F3BH0500BDL30 KCPM15	P81
4046460	F3BH0600BDL30 KCPM15	P81
4046461	F3BH0800BDL30 KCPM15	P81
4046462	F3BH1000BDL30 KCPM15	P81
4046463	F3BH1200BDL30 KCPM15	P81
4046464	F3BH1600BDL30 KCPM15	P81
4046465	F3BH2000BDL30 KCPM15	P81
4046466	F3BH2500BDL30 KCPM15	P81
4046467	F3BH0800BWM20C160 KCPM15	P79
4046468	F3BH0800BWS20C110 KCPM15	P79
4046469	F4BJ1000BWM20C130 KCPM15	P79
4046470	F4BJ1000BWM20C220 KCPM15	P79
4046471	F4BJ1200BWL20C260 KCPM15	P79
4046472	F4BJ1200BWM20C160 KCPM15	P79
4046473	F3AW0800AWL35E160 KCPM15	P103
4046474	F3AW1000AWX35E200 KCPM15	P103
4046475	F3AW1200AWX35E240 KCPM15	P103
4046476	F3AW1600AWX35E320 KCPM15	P103
4046478	F3BS0600BDK35 KCPM15	P82
4046479	F3BS0600BDL35 KCPM15	P82
4046480	F3BS0800BDK35 KCPM15	P82
4046481	F3BS0800BDL35 KCPM15	P82
4046482	F3BS1000BDK35 KCPM15	P82
4046483	F4BJ1600BWL20C190 KCPM15	P79
4046484	F4BJ1600BWL20C320 KCPM15	P79
4046485	F4BJ2000BWL20C220 KCPM15	P79
4046486	F4BJ2000BWX20C380 KCPM15	P79
4046487	F4AW0600AWL38E120 KCPM15	P21
4046488	F4AW0800AWL38E160 KCPM15	P21
4046489	F4AW1000AWX38E200 KCPM15	P21
4046490	F4AW1200AWX38E240 KCPM15	P21
4046491	F4AW1600AWX38E320 KCPM15	P21
4046493	F3BS1000BDL35 KCPM15	P82
4046494	F3BS1200BDK35 KCPM15	P82
4046495	F3BS1200BDL35 KCPM15	P82
4046497	F3BS1400BDL35 KCPM15	P82
4046498	F3BS1600BDK35 KCPM15	P82
4046499	F3BS1600BDL35 KCPM15	P82
4046500	F3BS2000BDK35 KCPM15	P82
4046501	F3BS2000BDL35 KCPM15	P82
4046524	F6AJ0600AWM45 KCPM15	P105
4046525	F6AJ0800AWM45 KCPM15	P105
4046526	F6AJ1000AWL45 KCPM15	P105
4046527	F6AJ1200AWL45 KCPM15	P105
4046528	F6AJ1600AWX45 KCPM15	P105
4046529	F8AJ2000AWX45 KCPM15	P105
4046530	F8AJ2500AWX45 KCPM15	P105
4046531	F10AJ1600ADK45E320 KCPM15	P104
4046532	F10AJ2000ADK45E400 KCPM15	P104
4046856	F4BJ0600BDL30 KCPM15	P83
4046857	F4BJ0800BDL30 KCPM15	P83
4046858	F4BJ1000BDL30 KCPM15	P83
4046859	F4BJ1200BDL30 KCPM15	P83
4046860	F4BJ1400BDL30 KCPM15	P83
4046861	F4BJ1600BDL30 KCPM15	P83
4046862	F4BJ1800BDL30 KCPM15	P83
4047063	F4BJ2000BDL30 KCPM15	P83
4047065	F3BH0400BWS20L110 KCPM15	P78
4047066	F3BH0500BWS20L130 KCPM15	P78
4047067	F3BH0600BWS20L080 KCPM15	P78
4047068	F3BH0600BWS20L130 KCPM15	P78
4047069	F3BH0800BWM20L160 KCPM15	P78
4047070	F3BH0800BWS20L110 KCPM15	P78
4047071	F4BJ1000BWM20L130 KCPM15	P78
4047072	F4BJ1000BWM20L220 KCPM15	P78
4047073	F4BJ1200BWL20L260 KCPM15	P78
4047074	F4BJ1200BWM20L160 KCPM15	P78
4047075	F4BJ1400BWL20L260 KCPM15	P78
4047076	F4BJ1600BWL20L190 KCPM15	P78
4047077	F4BJ1600BWL20L320 KCPM15	P78
4047078	F4BJ2000BWL20L220 KCPM15	P78
4047079	F4BJ2000BWX20L380 KCPM15	P78
4047080	F5BJ2500BWX20L450 KCPM15	P78
4047083	F8AJ0800ADK45E160 KCPM15	P104
4047084	F8AJ1000ADK45E200 KCPM15	P104
4047085	F8AJ1200ADK45E240 KCPM15	P104
4047275	F4BJ0600BDL45 KCPM15	P84
4047276	F4BJ0800BDL45 KCPM15	P84
4047277	F4BJ1000BDL45 KCPM15	P84
4047278	F4BJ1200BDL45 KCPM15	P84
4047279	F6BJ1600BDL45 KCPM15	P84
4047280	F6BJ2000BDL45 KCPM15	P84
4047281	F6BJ2500BDL45 KCPM15	P84
4047282	F6AJ0600ADL45 KCPM15	P105
4047293	F6AJ0800ADL45 KCPM15	P105
4047294	F6AJ1000ADL45 KCPM15	P105
4047295	F6AJ1200ADL45 KCPM15	P105
4047296	F6AJ1400ADL45 KCPM15	P105
4047297	F6AJ1600ADL45 KCPM15	P105
4047811	KSEMP2858FDS28A1M	H80, H91, H98
4047812	KSEMP2900FDS28A1M	H80, H91, H98
4047823	KSEMP2937FDS28A1M	H80, H91, H98
4047824	KSEMP3000FDS28A1M	H80, H91, H98
4047825	KSEMP3017FDS28A1M	H80, H91, H98
4047826	KSEMP3096FDS28A1M	H80, H91, H98

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4047827	KSEMP3100FDS28A1M	H80, H91, H98
4047829	SPGX060304MD KC7140	J89
4047830	SPGX070304MD KC7140	J89
4047831	SPPX09T308MD KC7140	J89
4047832	SPPX120408MD KC7140	J89
4047843	SPPX15T508MD KC7140	J89
4047845	D2FIX110404RHP KCU25	E9
4047849	D2FIX150504RHP KCU25	E9
4047850	D2FIX150508RHP KCU25	E9
4047864	C2FIX150512RMN KCU25	E8
4047865	C2FIX110404LMN KCU25	E8
4047867	C2FIX150504LMN KCU25	E8
4047868	C2FIX150508LMN KCU25	E8
4047870	D4FIX140604RMN KCU25	E11
4047871	D4FIX140608RMN KCU25	E11
4050057	CNMG120408RP KCU25	B53
4050058	RCGT0803M0HP KCU25	B222
4050060	CNGP120408 KCU10	B46
4050061	CNMG120408FP KCU10	B49
4050062	CNMG120412FP KCU10	B49
4050332	KSEM1932HPGM KC7315	H42
4050372	CCGT060202HP KCU25	B175
4050395	CNGG120402FS KCU25	B46
4050397	CNGG120404FS KCU25	B46
4050398	CNGG120408FS KCU25	B46
4050399	CNMG120402MS KCU25	B52
4050400	CNMG120401MS KCU25	B52
4050402	CNMG120404MS KCU25	B52
4050403	CCGT060204HP KCU25	B175
4050404	CCGT060208HP KCU25	B175
4050405	CCGT09T302HP KCU25	B175
4050406	CCGT09T304HP KCU25	B175
4050407	CCGT09T308HP KCU25	B175
4050408	CCGT120402HP KCU25	B175
4050410	CCGT120408HP KCU25	B175
4050412	CPGH09T302 KCU25	B188
4050413	CPGH09T304 KCU25	B188
4050414	CPGH09T308 KCU25	B188
4050415	CPGT060202HP KCU25	B188
4050416	CPGT060204HP KCU25	B188
4050417	CPGT060208HP KCU25	B188
4050419	CPGT09T304HP KCU25	B188
4050420	CPGT09T308HP KCU25	B188
4050421	DCGT070202HP KCU25	B206
4050422	DCGT070204HP KCU25	B206
4050424	DCGT11T302HP KCU25	B206
4050425	DCGT11T304HP KCU25	B206
4050426	DCGT11T308HP KCU25	B206
4050428	DPGT070204HP KCU25	B214
4050429	DPGT070208HP KCU25	B214
4050430	DPGT11T304HP KCU25	B214
4050431	DPGT11T308HP KCU25	B214
4050432	RCGT10T3M0HP KCU25	B222
4050434	TCGT110202HP KCU25	B243
4050435	TCGT110204HP KCU25	B243
4050437	TCGT16T302HP KCU25	B243
4050441	TPGT110204HP KCU25	B254
4050444	TPGT16T304HP KCU25	B254
4050445	TPGT16T308HP KCU25	B254
4050447	VBGT110304HP KCU25	B264
4050448	VBGT160404HP KCU25	B264
4050449	VBGT160408HP KCU25	B264
4050451	CNMG120408MP KCU25	B51
4050452	CNMG120412MP KCU25	B51
4050453	CNMG120404RP KCU25	B53
4050454	CNMG120408MS KCU25	B52
4050455	CNMG120412MS KCU25	B52
4050456	CNMG120412RP KCU25	B53
4050458	CNMG120416MS KCU25	B52
4050459	CNMG120416RP KCU25	B53
4050460	CNMG160608MS KCU25	B52
4050461	CNMG160608RP KCU25	B53
4050462	CNMG160612MS KCU25	B52
4050463	CNMG160612RP KCU25	B53
4050465	CNMG160616RP KCU25	B53
4050466	CNMG190608MS KCU25	B52
4050468	CNMG190612RP KCU25	B53
4050469	CNMG190616MS KCU25	B52
4050470	CNMG190616RP KCU25	B53
4050475	DNGG150408FS KCU25	B74
4050477	DNMG110408MS KCU25	B79
4050478	DNMG110408RP KCU25	B81
4050479	DNMG150402MS KCU25	B79
4050480	DNMG150404MS KCU25	B79
4050481	DNMG150408MS KCU25	B79
4050482	DNMG150408RP KCU25	B81
4050484	DNMG150412MS KCU25	B79
4050485	DNMG150412RP KCU25	B81
4050486	DNMG150604MS KCU25	B79
4050487	DNMG150608MS KCU25	B79
4050488	DNMG150608RP KCU25	B81
4050489	DNMG150612MS KCU25	B79
4050490	DNMG150612RP KCU25	B81
4050491	DNMG150616RP KCU25	B81
4050513	CNMG160612MP KCU25	B51
4050514	CNMG190612MP KCU25	B51
4050515	DNMG150608MP KCU25	B79
4050516	DNMG150612MP KCU25	B79
4050517	SNMG120412MP KCU25	B98
4050518	SNMG120412RP KCU25	B101
4050519	SNMG150612RP KCU25	B101
4050520	SNMG190612RP KCU25	B101
4050521	DCGR150404 KCU25	E28
4050522	DCGR150408 KCU25	E28
4050523	DCGR150412 KCU25	E28
4050524	KCGR110304L08 KCU25	E29
4050525	KCGR110304R08 KCU25	E29
4050526	KCGR110308L08 KCU25	E29
4050527	KCGR110308R08 KCU25	E29
4050528	KNGX150404L20 KCU25	E30
4050529	KNGX150408L20 KCU25	E30
4050531	KCGX110301L15 KCU25	E31
4050532	KCGX110302L15 KCU25	E31
4050533	KCGX110304L15 KCU25	E31
4050534	KCGX110308L15 KCU25	E31
4050535	KNGX150404R20 KCU25	E30
4050536	KNGX150408R20 KCU25	E30
4050537	KNGX220404R25 KCU25	E30
4050539	KCGX110302R15 KCU25	E31
4050540	KCGX110304R15 KCU25	E31
4050544	VCMR160404 KCU25	E33
4050545	VCMR160408 KCU25	E33
4050546	VCGR160402 KCU25	E34
4050547	VCGR160404 KCU25	E34
4050548	VCGR160408 KCU25	E34
4050549	VCGR160412 KCU25	E34
4050607	CDHBS4T0S0 KCU25	B184
4050608	CDHBS4T002 KCU25	B184
4050609	CDHBS4T004 KCU25	B184
4050611	CDHHS4T002L KCU25	B184
4050613	CDHHS4T004L KCU25	B184
4050615	GPCD050102 KCU25	B222
4050616	GPCD050104 KCU25	B222
4050619	TDHB07T12S0 KCU25	B249
4050620	TDHB07T1202 KCU25	B249
4050621	TDHB07T1204 KCU25	B249
4050623	TDHH07T1202L KCU25	B249
4050624	TDHH07T1204L KCU25	B249
4050628	TPGH160304 KCU25	B253
4050632	RCGK040300FS KCU10	E63
4050653	RCGK040300HP KCU10	E63
4050654	RCGK060400FS KCU10	E63
4050655	RCGK060400HP KCU10	E63
4050656	RCGK090700FS KCU10	E63
4050657	RCGK090700HP KCU10	E63
4050658	RCGK120800FS KCU10	E63
4050659	RCGK120800HP KCU10	E63
4050661	RCMK060400 KCU10	E63
4050664	CNGG120402LF KCU10	B46
4050665	CNGG120401LF KCU10	B46
4050666	CNGG120404LF KCU10	B46
4050667	CNGG120408LF KCU10	B46
4050668	CNGG120412LF KCU10	B46
4050671	CNGP120401 KCU10	B46
4050672	CNGP120402 KCU10	B46
4050673	CNGP120404 KCU10	B46
4050674	CNGP120412 KCU10	B46
4050676	CNMG090308MP KCU10	B51
4050677	CNMG120404FF KCU10	B48
4050678	CNMG120404FW KCU10	B49
4050679	CNMG120404MP KCU10	B51
4050681	CNMG120404P KCU10	B52
4050682	CNMG120404RP KCU10	B53
4050683	CNMG120408CT KCU10	B48
4050684	CNMG120408FF KCU10	B48
4050685	CNMG120408FW KCU10	B49
4050686	CNMG120408MP KCU10	B51
4050688	CNMG120408P KCU10	B52
4050689	CNMG120408RP KCU10	B53
4050690	CNMG120408UP KCU10	B54
4050691	CNMG120412FW KCU10	B49
4050692	CNMG120412MP KCU10	B51
4050695	CNMG120412RP KCU10	B53
4050696	CNMG120412UP KCU10	B54
4050699	CNMG120416RP KCU10	B53
4050700	CNMG160608MP KCU10	B51
4050701	CNMG160608RP KCU10	B53
4050702	CNMG160612MP KCU10	B51
4050704	CNMG160612RP KCU10	B53
4050705	CNMG160612UP KCU10	B54
4050709	CNMG190612 KCU10	B47
4050711	CNMG190612P KCU10	B52
4050712	CNMG190612RP KCU10	B53
4050713	CNMG190616MP KCU10	B51
4050714	CNMG190616RP KCU10	B53
4050743	DNMG110408FP KCU10	B77
4050744	DNMG150408FF KCU10	B76
4050746	WNMG060404FP KCU10	B156
4050748	RCGV060400 KCU10	B166
4050764	SPGN120304 KCU10	B169
4050765	SPGN120308 KCU10	B169
4050768	SPGN120412 KCU10	B169
4050769	SPGN190412 KCU10	B169
4050770	SPGR090308K KCU10	B169
4050771	TPGN110304 KCU10	B171
4050772	TPGN110308 KCU10	B171
4050774	TPGN160304 KCU10	B171
4050775	TPGN160308 KCU10	B171
4050778	TPGN220404 KCU10	B171
4050779	TPGN220408 KCU10	B171
4050780	TPGN220412 KCU10	B171
4050783	TPGR110308K KCU10	B171
4050784	TPGR160304K KCU10	B171
4050785	TPGR160308K KCU10	B171
4050786	TPGR220404K KCU10	B171
4050787	TPGR220408K KCU10	B171
4050895	D2FIX150504RHP KCU10	E9
4050896	D2FIX150508RHP KCU10	E9
4050899	D2FIX150508LHP KCU10	E9
4051036	C8FIX120505RRP KCU25	E12
4051038	C8FIX120503RMP KCU25	E12
4051039	C8FIX150605LRN KCU25	E11
4051040	C8FIX150608LRN KCU25	E11
4051041	C8FIX150605RRN KCU25	E11
4051042	C8FIX150608RRN KCU25	E11
4051044	C8FIX150603RMP KCU25	E12
4051048	C8FIX180812RRN KCU25	E11
4051051	MS2190CG	V82
4051052	MS2188C	V82
4051066	C2FIX110404RMN KCU10	E8
4051074	C2FIX150508LMN KCU10	E8
4051077	D4FIX140608RMN KCU10	E11
4051088	D2FIX110403LHP KCU10	E9
4051089	D2FIX110403RHP KCU10	E9
4051090	C2FIX110405LMN KCU10	E8
4051091	E2FIX100505LHP KCU10	E10
4051092	E2FIX100505RHP KCU10	E10
4051104	D2FIX150503LHP KCU10	E9
4051106	D2FIX150503LMS KCU10	E10
4051107	D2FIX150505LMS KCU10	E10
4051109	D2FIX150503RHP KCU10	E9
4051110	D2FIX150505RFN KCU10	E10
4051111	D2FIX150503RMS KCU10	E10
4051112	D2FIX150505RMS KCU10	E10
4051114	C2FIX150505LMN KCU10	E8
4051115	C2FIX180610LMN KCU10	E8
4051121	C8FIX120503LMP KCU10	E12
4051122	C8FIX120503RMP KCU10	E12
4051125	C8FIX150605RRN KCU10	E11
4051128	C8FIX150603RMP KCU10	E12
4051136	WD32FDS28190M	H103
4051137	WD32FDS28283M	H103
4051189	D2FIX150505RMN KCP10	E9
4051190	D2FIX150505RRN KCP10	E10
4051203	D4FIX140605RMN KCP10	E11
4051204	D4FIX140603RMN KCP10	E11
4051209	C8FIX120503LMP KCP10	E12
4051213	C8FIX150605RRN KCP10	E11
4051214	C8FIX150608RRN KCP10	E11
4051216	C8FIX150603RMP KCP10	E12
4051515	170.352	H98
4051516	B254A03000YPC KCK10	G58
4051517	B254A03048YPC KCK10	G58
4051519	B254A03200YPC KCK10	G58
4051521	B254A03300YPC KCK10	G58
4051522	B254A03454YPC KCK10	G58
4051797	B255A09300YPC KCK10	G59
4051798	B255A09400YPC KCK10	G59
4051799	B255A09500YPC KCK10	G60
4051800	B255A09525YPC KCK10	G60
4051801	B255A09600YPC KCK10	G60
4051802	B255A09700YPC KCK10	G60
4051826	D4FIX140608RMN KCP10	E11
4051829	C8FIX120504RRP KCP10	E12
4051830	C8FIX120508RRP KCP10	E12
4051837	B254A10200YPC KCK10	G60
4051838	B254A10262YPC KCK10	G60
4051839	B254A10300YPC KCK10	G60
4051840	B254A10320YPC KCK10	G60
4051842	B254A10490YPC KCK10	G60
4051843	B255A09800YPC KCK10	G60
4051844	B255A09921YPC KCK10	G60
4051845	B255A10000YPC KCK10	G60
4051846	B255A10200YPC KCK10	G60
4051847	B255A10262YPC KCK10	G60
4051848	B255A10300YPC KCK10	G60
4051849	B255A10320YPC KCK10	G60
4051850	B255A10400YPC KCK10	G60
4051852	B255A10500YPC KCK10	G60
4051853	B255A10600YPC KCK10	G60
4051854	B255A10716YPC KCK10	G60
4051855	B255A10800YPC KCK10	G60
4051856	B255A10900YPC KCK10	G60
4051857	B255A11000YPC KCK10	G60
4051858	B255A11100YPC KCK10	G60
4051859	B255A11113YPC KCK10	G60
4051860	B255A11200YPC KCK10	G60
4051862	B255A11500YPC KCK10	G60
4051865	B255A11700YPC KCK10	G60
4051866	B255A11800YPC KCK10	G60
4051867	B255A11900YPC KCK10	G60
4051868	B255A11908YPC KCK10	G60
4051869	B255A12000YPC KCK10	G60
4051870	B255A12100YPC KCK10	G60
4051871	B255A12200YPC KCK10	G60
4051872	B255A12251YPC KCK10	G60
4051873	B255A12300YPC KCK10	G60
4051874	B255A12304YPC KCK10	G60
4051875	B255A12500YPC KCK10	G60
4051876	B255A12700YPC KCK10	G60
4051878	B255A13000YPC KCK10	G60
4051879	B255A13096YPC KCK10	G60
4051881	B255A13495YPC KCK10	G60
4051882	B255A13500YPC KCK10	G60
4051884	B255A14000YPC KCK10	G60
4051885	B255A14100YPC KCK10	G60
4051886	B255A14288YPC KCK10	G60
4051887	B255A14500YPC KCK10	G60
4051888	B255A14600YPC KCK10	G60
4051889	B255A14684YPC KCK10	G60
4051893	B255A15000YPC KCK10	G60
4051894	B255A15083YPC KCK10	G60
4051896	B255A15250YPC KCK10	G60
4051897	B255A15400YPC KCK10	G61
4051899	B255A15500YPC KCK10	G61
4051900	B255A15800YPC KCK10	G61
4051901	B255A15875YPC KCK10	G61
4051902	B255A16000YPC KCK10	G61
4051904	B255A16300YPC KCK10	G61
4051905	B255A16500YPC KCK10	G61
4051906	B255A16670YPC KCK10	G61
4051907	B255A16800YPC KCK10	G61
4051909	B255A17000YPC KCK10	G61
4051910	B255A17200YPC KCK10	G61
4051913	B255A17463YPC KCK10	G61
4051914	B255A17500YPC KCK10	G61
4051915	B255A17800YPC KCK10	G61

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4051916	B255A17859YPC KCK10	G61
4051917	B255A18000YPC KCK10	G61
4051918	B255A18258YPC KCK10	G61
4051919	B255A18500YPC KCK10	G61
4051920	B255A18800YPC KCK10	G61
4051921	B255A19000YPC KCK10	G61
4051924	B255A19500YPC KCK10	G61
4051925	B255A19700YPC KCK10	G61
4051926	B255A19800YPC KCK10	G61
4051927	B255A20000YPC KCK10	G61
4051928	B255A20500YPC KCK10	G61
4051929	B255A20638YPC KCK10	G61
4051930	B255A21000YPC KCK10	G61
4051931	B255A22000YPC KCK10	G61
4051932	B255A22225YPC KCK10	G61
4051933	B255A23416YPC KCK10	G61
4051934	B255A24000YPC KCK10	G61
4051935	B255A25000YPC KCK10	G61
4051963	B254A03500YPC KCK10	G58
4051965	B254A03600YPC KCK10	G58
4051969	B254A03800YPC KCK10	G58
4051970	B254A03861YPC KCK10	G58
4051972	B254A04000YPC KCK10	G58
4051973	B254A04039YPC KCK10	G58
4051974	B254A04100YPC KCK10	G58
4051975	B254A04200YPC KCK10	G58
4051978	B254A04500YPC KCK10	G58
4051979	B254A04572YPC KCK10	G58
4051981	B254A04763YPC KCK10	G58
4051982	B254A04800YPC KCK10	G58
4051983	B254A05000YPC KCK10	G58
4051984	B254A05055YPC KCK10	G58
4051985	B254A05100YPC KCK10	G58
4051986	B254A05106YPC KCK10	G58
4051988	B254A05300YPC KCK10	G58
4051990	B254A05500YPC KCK10	G59
4051991	B254A05558YPC KCK10	G59
4051994	B254A05791YPC KCK10	G59
4051995	B254A05800YPC KCK10	G59
4051998	B254A06000YPC KCK10	G59
4051999	B254A06100YPC KCK10	G59
4052000	B254A06200YPC KCK10	G59
4052002	B254A06500YPC KCK10	G59
4052003	B254A06528YPC KCK10	G59
4052004	B254A06600YPC KCK10	G59
4052005	B254A06700YPC KCK10	G59
4052006	B254A06746YPC KCK10	G59
4052007	B254A06800YPC KCK10	G59
4052008	B254A06900YPC KCK10	G59
4052010	B254A07000YPC KCK10	G59
4052011	B254A07100YPC KCK10	G59
4052012	B254A07366YPC KCK10	G59
4052014	B254A07493YPC KCK10	G59
4052015	B254A07500YPC KCK10	G59
4052017	B254A07600YPC KCK10	G59
4052018	B254A07800YPC KCK10	G59
4052020	B254A07938YPC KCK10	G59
4052021	B254A08000YPC KCK10	G59
4052022	B254A08100YPC KCK10	G59
4052023	B254A08200YPC KCK10	G59
4052024	B254A08334YPC KCK10	G59
4052025	B254A08400YPC KCK10	G59
4052026	B254A08433YPC KCK10	G59
4052027	B254A08500YPC KCK10	G59
4052028	B254A08600YPC KCK10	G59
4052029	B254A08700YPC KCK10	G59
4052031	B254A08800YPC KCK10	G59
4052032	B254A08839YPC KCK10	G59
4052034	B254A09000YPC KCK10	G59
4052036	B254A09100YPC KCK10	G59
4052038	B254A09200YPC KCK10	G59
4052039	B254A09400YPC KCK10	G59
4052040	B254A09500YPC KCK10	G60
4052041	B254A09525YPC KCK10	G60
4052042	B254A09800YPC KCK10	G60
4052043	B254A09921YPC KCK10	G60
4052044	B254A10000YPC KCK10	G60
4052053	B254A10500YPC KCK10	G60
4052054	B254A10700YPC KCK10	G60
4052056	B254A10800YPC KCK10	G60
4052058	B254A11000YPC KCK10	G60
4052059	B254A11100YPC KCK10	G60
4052060	B254A11113YPC KCK10	G60
4052061	B254A11200YPC KCK10	G60
4052062	B254A11500YPC KCK10	G60
4052064	B254A11800YPC KCK10	G60
4052066	B254A11908YPC KCK10	G60
4052067	B254A12000YPC KCK10	G60
4052068	B254A12200YPC KCK10	G60
4052070	B254A12304YPC KCK10	G60
4052071	B254A12500YPC KCK10	G60
4052073	B254A12800YPC KCK10	G60
4052074	B254A13000YPC KCK10	G60
4052076	B254A13100YPC KCK10	G60
4052077	B254A13200YPC KCK10	G60
4052081	B254A13500YPC KCK10	G60
4052082	B254A13800YPC KCK10	G60
4052083	B254A13891YPC KCK10	G60
4052084	B254A14000YPC KCK10	G60
4052085	B254A14100YPC KCK10	G60
4052086	B254A14288YPC KCK10	G60
4052087	B254A14500YPC KCK10	G60
4052090	B254A14800YPC KCK10	G60
4052091	B254A15000YPC KCK10	G60
4052093	B254A15200YPC KCK10	G60
4052094	B254A15250YPC KCK10	G60
4052095	B254A15400YPC KCK10	G61
4052097	B254A15500YPC KCK10	G61
4052099	B254A15800YPC KCK10	G61
4052101	B254A16000YPC KCK10	G61
4052102	B254A16500YPC KCK10	G61
4052103	B254A16670YPC KCK10	G61
4052104	B254A16800YPC KCK10	G61
4052105	B254A17000YPC KCK10	G61
4052107	B254A17463YPC KCK10	G61
4052108	B254A17500YPC KCK10	G61
4052109	B254A17800YPC KCK10	G61
4052110	B254A17859YPC KCK10	G61
4052111	B254A18000YPC KCK10	G61
4052112	B254A18200YPC KCK10	G61
4052113	B254A18258YPC KCK10	G61
4052114	B254A18500YPC KCK10	G61
4052115	B254A18800YPC KCK10	G61
4052116	B254A19000YPC KCK10	G61
4052117	B254A19050YPC KCK10	G61
4052121	B254A19800YPC KCK10	G61
4052122	B254A20000YPC KCK10	G61
4052123	B254A20638YPC KCK10	G61
4052124	B254A21000YPC KCK10	G61
4052125	B254A22000YPC KCK10	G61
4052126	B254A22225YPC KCK10	G61
4052127	B254A23416YPC KCK10	G61
4052129	B254A25000YPC KCK10	G61
4052130	B255A03000YPC KCK10	G58
4052131	B255A03048YPC KCK10	G58
4052132	B255A03175YPC KCK10	G58
4052133	B255A03200YPC KCK10	G58
4052134	B255A03250YPC KCK10	G58
4052135	B255A03300YPC KCK10	G58
4052136	B255A03400YPC KCK10	G58
4052138	B255A03500YPC KCK10	G58
4052140	B255A03600YPC KCK10	G58
4052141	B255A03700YPC KCK10	G58
4052143	B255A03797YPC KCK10	G58
4052144	B255A03800YPC KCK10	G58
4052145	B255A03861YPC KCK10	G58
4052146	B255A03970YPC KCK10	G58
4052147	B255A04000YPC KCK10	G58
4052148	B255A04039YPC KCK10	G58
4052149	B255A04100YPC KCK10	G58
4052150	B255A04200YPC KCK10	G58
4052151	B255A04217YPC KCK10	G58
4052152	B255A04300YPC KCK10	G58
4052153	B255A04366YPC KCK10	G58
4052155	B255A04500YPC KCK10	G58
4052156	B255A04572YPC KCK10	G58
4052157	B255A04600YPC KCK10	G58
4052158	B255A04700YPC KCK10	G58
4052160	B255A04800YPC KCK10	G58
4052161	B255A04900YPC KCK10	G58
4052162	B255A05000YPC KCK10	G58
4052163	B255A05055YPC KCK10	G58
4052164	B255A05100YPC KCK10	G58
4052166	B255A05159YPC KCK10	G58
4052167	B255A05200YPC KCK10	G58
4052168	B255A05250YPC KCK10	G58
4052169	B255A05300YPC KCK10	G58
4052170	B255A05400YPC KCK10	G59
4052171	B255A05410YPC KCK10	G59
4052172	B255A05500YPC KCK10	G59
4052173	B255A05558YPC KCK10	G59
4052174	B255A05600YPC KCK10	G59
4052175	B255A05700YPC KCK10	G59
4052176	B255A05791YPC KCK10	G59
4052177	B255A05800YPC KCK10	G59
4052180	B255A06000YPC KCK10	G59
4052181	B255A06100YPC KCK10	G59
4052182	B255A06200YPC KCK10	G59
4052183	B255A06300YPC KCK10	G59
4052184	B255A06350YPC KCK10	G59
4052185	B255A06400YPC KCK10	G59
4052186	B255A06500YPC KCK10	G59
4052188	B255A06600YPC KCK10	G59
4052189	B255A06630YPC KCK10	G59
4052190	B255A06700YPC KCK10	G59
4052191	B255A06746YPC KCK10	G59
4052192	B255A06800YPC KCK10	G59
4052193	B255A06900YPC KCK10	G59
4052194	B255A06909YPC KCK10	G59
4052195	B255A07000YPC KCK10	G59
4052196	B255A07145YPC KCK10	G59
4052197	B255A07200YPC KCK10	G59
4052200	B255A07400YPC KCK10	G59
4052201	B255A07493YPC KCK10	G59
4052202	B255A07500YPC KCK10	G59
4052203	B255A07541YPC KCK10	G59
4052204	B255A07600YPC KCK10	G59
4052205	B255A07700YPC KCK10	G59
4052206	B255A07800YPC KCK10	G59
4052207	B255A07900YPC KCK10	G59
4052208	B255A07938YPC KCK10	G59
4052209	B255A08000YPC KCK10	G59
4052210	B255A08100YPC KCK10	G59
4052211	B255A08200YPC KCK10	G59
4052212	B255A08300YPC KCK10	G59
4052214	B255A08433YPC KCK10	G59
4052215	B255A08500YPC KCK10	G59
4052216	B255A08600YPC KCK10	G59
4052217	B255A08700YPC KCK10	G59
4052219	B255A08800YPC KCK10	G59
4052220	B255A08839YPC KCK10	G59
4052221	B255A08900YPC KCK10	G59
4052222	B255A09000YPC KCK10	G59
4052223	B255A09093YPC KCK10	G59
4052224	B255A09100YPC KCK10	G59
4052225	B255A09129YPC KCK10	G59
4052226	B255A09200YPC KCK10	G59
4052592	KRM018030CLB004NE	K89
4052780	KIPR020RP09CF02	V154
4052781	KIPR020RP06MF03	V153
4052782	KIPR020RP09MF02	V153
4052843	KIPR025RP09MF03	V153
4052845	B256A10200YPC KCK10	G60
4052846	B256A10300YPC KCK10	G60
4052847	B256A10400YPC KCK10	G60
4052848	B256A10500YPC KCK10	G60
4052849	B256A10700YPC KCK10	G60
4052850	B256A10800YPC KCK10	G60
4052851	B256A11000YPC KCK10	G60
4052852	B256A11200YPC KCK10	G60
4052863	B256A11300YPC KCK10	G60
4052864	B256A11500YPC KCK10	G60
4052865	B256A11600YPC KCK10	G60
4052866	B256A11800YPC KCK10	G60
4052867	B256A12000YPC KCK10	G60
4052868	B256A12200YPC KCK10	G60
4052869	B256A12300YPC KCK10	G60
4052870	B256A12400YPC KCK10	G60
4052871	B256A12500YPC KCK10	G60
4052872	B256A12700YPC KCK10	G60
4052873	B256A12800YPC KCK10	G60
4052874	B256A13000YPC KCK10	G60
4052875	B256A13096YPC KCK10	G60
4052876	B256A13200YPC KCK10	G60
4052877	B256A13495YPC KCK10	G60
4052878	B256A13500YPC KCK10	G60
4052879	B256A13700YPC KCK10	G60
4052880	B256A13800YPC KCK10	G60
4052881	B256A13891YPC KCK10	G60
4052882	B256A14000YPC KCK10	G60
4052883	B256A14500YPC KCK10	G60
4052884	B256A14684YPC KCK10	G60
4052885	B256A14800YPC KCK10	G60
4052886	B256A15000YPC KCK10	G60
4052887	B256A15083YPC KCK10	G60
4052888	B256A15200YPC KCK10	G60
4052889	B256A15300YPC KCK10	G61
4052892	B256A15500YPC KCK10	G61
4052893	B256A15800YPC KCK10	G61
4052894	B256A16000YPC KCK10	G61
4052896	B256A16300YPC KCK10	G61
4052897	B256A16500YPC KCK10	G61
4052899	B256A16800YPC KCK10	G61
4052900	B256A17000YPC KCK10	G61
4052902	B256A17500YPC KCK10	G61
4052903	B256A17800YPC KCK10	G61
4052905	B256A18000YPC KCK10	G61
4052906	B256A18258YPC KCK10	G61
4052907	B256A18500YPC KCK10	G61
4052908	B256A18800YPC KCK10	G61
4052909	B256A19000YPC KCK10	G61
4052911	B256A19500YPC KCK10	G61
4052912	B256A19800YPC KCK10	G61
4052913	B256A20000YPC KCK10	G61
4052914	B256A20638YPC KCK10	G61
4052915	B256A22000YPC KCK10	G61
4052916	B256A22225YPC KCK10	G61
4052917	B256A25004YPC KCK10	G61
4053226	B256A03000YPC KCK10	G58
4053228	B256A03175YPC KCK10	G58
4053230	B256A03264YPC KCK10	G58
4053232	B256A03500YPC KCK10	G58
4053235	B256A03700YPC KCK10	G58
4053236	B256A03800YPC KCK10	G58
4053238	B256A04000YPC KCK10	G58
4053240	B256A04100YPC KCK10	G58
4053241	B256A04200YPC KCK10	G58
4053242	B256A04300YPC KCK10	G58
4053243	B256A04366YPC KCK10	G58
4053244	B256A04500YPC KCK10	G58
4053245	B256A04623YPC KCK10	G58
4053246	B256A04700YPC KCK10	G58
4053247	B256A04800YPC KCK10	G58
4053248	B256A04852YPC KCK10	G58
4053249	B256A05000YPC KCK10	G58
4053250	B256A05100YPC KCK10	G58
4053252	B256A05200YPC KCK10	G58
4053254	B256A05500YPC KCK10	G59
4053255	B256A05600YPC KCK10	G59
4053258	B256A05800YPC KCK10	G59
4053259	B256A05900YPC KCK10	G59
4053261	B256A06000YPC KCK10	G59
4053262	B256A06200YPC KCK10	G59
4053263	B256A06350YPC KCK10	G59
4053264	B256A06400YPC KCK10	G59
4053265	B256A06500YPC KCK10	G59
4053266	B256A06600YPC KCK10	G59
4053267	B256A06700YPC KCK10	G59
4053268	B256A06800YPC KCK10	G59
4053269	B256A07000YPC KCK10	G59
4053270	B256A07300YPC KCK10	G59
4053271	B256A07500YPC KCK10	G59
4053272	B256A07600YPC KCK10	G59
4053273	B256A07800YPC KCK10	G59
4053274	B256A08000YPC KCK10	G59
4053275	B256A08200YPC KCK10	G59
4053276	B256A08300YPC KCK10	G59
4053277	B256A08500YPC KCK10	G59
4053278	B256A08600YPC KCK10	G59
4053279	B256A08700YPC KCK10	G59
4053280	B256A08800YPC KCK10	G59
4053281	B256A09000YPC KCK10	G59
4053282	B256A09100YPC KCK10	G59
4053284	B256A09300YPC KCK10	G59
4053285	B256A09347YPC KCK10	G59
4053287	B256A09500YPC KCK10	G60
4053288	B256A09600YPC KCK10	G60
4053289	B256A09700YPC KCK10	G60

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4053290	B256A09800YPC KCK10	G60
4053291	B256A10000YPC KCK10	G60
4053312	CDHBS4T0X0 KCU10	B184
4053323	CDHBS4T002 KCU10	B184
4053324	CDHBS4T004 KCU10	B184
4053325	CDHHS4T002L KCU10	B184
4053326	CDHHS4T002R KCU10	B184
4053327	CDHHS4T004L KCU10	B184
4053328	CDHHS4T004R KCU10	B184
4053336	TDHB07T1202 KCU10	B249
4053337	TDHB07T1204 KCU10	B249
4053339	TDHH07T1202L KCU10	B249
4053340	TDHH07T1202R KCU10	B249
4053341	TDHH07T1204L KCU10	B249
4053342	TDHH07T1204R KCU10	B249
4053344	TPGH160304 KCU10	B253
4053352	DNGG150402LF KCU10	B74
4053363	DNGG150404LF KCU10	B74
4053364	DNGG150408LF KCU10	B74
4053366	DNGP150402 KCU10	B74
4053367	DNGP150404 KCU10	B74
4053368	DNGP150408 KCU10	B74
4053369	DNGP150604 KCU10	B74
4053370	DNGP150608 KCU10	B74
4053371	DNMG110404FW KCU10	B78
4053372	DNMG110408FF KCU10	B76
4053373	DNMG110408MP KCU10	B79
4053374	DNMG110408RP KCU10	B81
4053376	DNMG150404CT KCU10	B76
4053377	DNMG150404FF KCU10	B76
4053378	DNMG150404FW KCU10	B78
4053379	DNMG150404MP KCU10	B79
4053380	DNMG150404P KCU10	B81
4053381	DNMG150404UP KCU10	B82
4053383	DNMG150408FW KCU10	B78
4053384	DNMG150408MP KCU10	B79
4053386	DNMG150408P KCU10	B81
4053387	DNMG150408RP KCU10	B81
4053388	DNMG150408UP KCU10	B82
4053389	DNMG150412CT KCU10	B76
4053390	DNMG150412MP KCU10	B79
4053391	DNMG150412RP KCU10	B81
4053393	DNMG150416RP KCU10	B81
4053395	DNMG150604FW KCU10	B78
4053396	DNMG150604MP KCU10	B79
4053399	DNMG150608FW KCU10	B78
4053400	DNMG150608MP KCU10	B79
4053403	DNMG150608RP KCU10	B81
4053404	DNMG150608UP KCU10	B82
4053406	DNMG150612MP KCU10	B79
4053407	DNMG150612RP KCU10	B81
4053408	RNMG120400RN KCU10	B94
4053409	RNMG190600RN KCU10	B94
4054272	D2FIX110405LMN KCP25	E9
4054299	D2FIX110405LMN KCP40	E9
4054300	D2FIX110405RMN KCP40	E9
4054301	C2FIX110405LMN KCP40	E8
4054302	C2FIX110405RMN KCP40	E8
4054355	D2FIX150505RMN KCP40	E9
4054356	D2FIX150505RRN KCP40	E10
4054358	C2FIX150505LMN KCP40	E8
4054359	C2FIX150510LMN KCP40	E8
4054362	C2FIX180610LMN KCP40	E8
4054368	C8FIX120503RRP KCP40	E12
4054372	C8FIX150605LRN KCP40	E11
4054374	C8FIX150605RRN KCP40	E11
4054375	C8FIX150608RRN KCP40	E11
4054377	C8FIX150603RMP KCP40	E12
4054380	C8FIX180808RRN KCP40	E11
4054381	C8FIX180812RRN KCP40	E11
4054386	C2FIX150510LMN KCP25	E8
4054387	C2FIX150505RMN KCP25	E8
4054388	C2FIX150510RMN KCP25	E8
4054391	C2FIX180610LMN KCP25	E8
4054397	D4FIX140605RMN KCP25	E11
4054398	D4FIX140603RMN KCP25	E11
4054401	C8FIX120503RRP KCP25	E12
4054402	C8FIX120505RRP KCP25	E12
4054403	C8FIX120503LMP KCP25	E12
4054404	C8FIX120503RMP KCP25	E12
4054405	C8FIX150605LRN KCP25	E11
4054406	C8FIX150608LRN KCP25	E11
4054407	C8FIX150605RRN KCP25	E11
4054408	C8FIX150608RRN KCP25	E11
4054409	C8FIX150603LMP KCP25	E12
4054410	C8FIX150603RMP KCP25	E12
4054412	C8FIX180812LRN KCP25	E11
4054413	C8FIX180808RRN KCP25	E11
4054414	C8FIX180812RRN KCP25	E11
4054416	C8FIX180805RMP KCP25	E12
4054421	D2FIX150504RMN KCP25	E9
4054422	D2FIX150508RMN KCP25	E9
4054435	D2FIX150508LMN KCP25	E9
4054442	C2FIX110408LMN KCP25	E8
4054444	C2FIX150508LMN KCP25	E8
4054447	D4FIX140608RMN KCP25	E11
4054449	D4FIX140608LMN KCP25	E11
4054450	C8FIX120504RRP KCP25	E12
4054451	C8FIX120508RRP KCP25	E12
4054453	C8FIX150612RRN KCP25	E11
4054455	C8FIX120508LRP KCP25	E12
4054456	C8FIX150612LRN KCP25	E11
4054474	D2FIX110403RHP KCP25	E9
4054475	D2FIX110405RMN KCP25	E9
4054477	C2FIX110405LMN KCP25	E8
4054478	C2FIX110405RMN KCP25	E8
4054483	D2FIX150505LMN KCP25	E9
4054484	D2FIX150505LRN KCP25	E10
4054486	D2FIX150503RHP KCP25	E9
4054487	D2FIX150505RFN KCP25	E10
4054488	D2FIX150505RMN KCP25	E9
4054490	D2FIX150503RMN KCP25	E9
4054491	C2FIX150505LMN KCP25	E8
4054494	B976A03175 KC7315	G138
4054495	B976A03454 KC7315	G138
4054496	B976A03734 KC7315	G138
4054497	B976A03797 KC7315	G138
4054498	B976A04039 KC7315	G138
4054499	B976A04366 KC7315	G139
4054500	B976A04496 KC7315	G139
4054501	B976A04700 KC7315	G139
4054502	B976A05106 KC7315	G139
4054503	B976A05410 KC7315	G139
4054504	B976A05791 KC7315	G139
4054505	B976A05944 KC7315	G139
4054506	B976A06528 KC7315	G139
4054507	B976A06909 KC7315	G139
4054508	B976A07366 KC7315	G140
4054509	B976A08433 KC7315	G140
4054510	B976A08839 KC7315	G140
4054511	B976A09093 KC7315	G140
4054512	B976A10262 KC7315	G140
4054513	B976A13495 KC7315	G141
4054514	B976A16670 KC7315	G142
4054515	B977A03175 KC7315	G138
4054516	B977A03734 KC7315	G138
4054517	B977A03797 KC7315	G138
4054518	B977A04039 KC7315	G138
4054519	B977A04366 KC7315	G139
4054520	B977A04496 KC7315	G139
4054521	B977A05106 KC7315	G139
4054522	B977A05791 KC7315	G139
4054523	B977A05944 KC7315	G139
4054524	B977A07366 KC7315	G140
4054525	B977A08839 KC7315	G140
4054526	B977A09093 KC7315	G140
4054527	B977A10262 KC7315	G140
4054528	B977A13495 KC7315	G141
4054648	C2FIX150504LMN KCP40	E8
4054651	D4FIX140604RMN KCP40	E11
4054660	C8FIX120508LRP KCP40	E12
4054680	DFR040304D28MD KC7140	H89, J84
4054681	DFR040304D28LD KC7225	H89
4054733	HSK100ASVUBB2124MCLB	K74
4054734	HSK63ASVUBB1095MCLB	K72
4054735	HSK63ASVUBB2116MCLB	K74
4054736	KM50TSSVUBB2100MCLB	K73
4054737	KR32SVUBB1060MCLB	K72
4054738	KR32SVUBB2085MCLB	K73
4054739	KR50SVUBB2075MCLB	K73
4054740	KR80SVU92152MCLB	K84
4054889	A4G0605M06U08GMN KCP10	C96
4054890	A4R0605M06U00GMN KCP10	C97
4056174	SS16KST115AR3M	K38
4056175	SS20KST135AR3M	K38
4056176	SS20KST155AR3M	K38
4056177	SS16KST115AR5M	K38
4056178	SS20KST135AR5M	K38
4056179	SS20KST155AR5M	K38
4056390	RHM14000KST115H7HF KT6215	K31
4056513	RPGN120400E KYSP30	V155
4056980	RHM14000KST115H7HF KT325	K31
4056981	RHM14288KST115H7HF KT325	K31
4056983	RHM15875KST115H7HF KT325	K31
4056984	RHM16000KST135H7HF KT325	K31
4056985	RHM17000KST135H7HF KT325	K31
4056986	RHM17463KST135H7HF KT325	K31
4056987	RHM18000KST155H7HF KT325	K31
4056988	RHM19000KST155H7HF KT325	K31
4056989	RHM19050KST155H7HF KT325	K31
4056990	RHM14288KST115H7HF KT6215	K31
4056993	RHM16000KST135H7HF KT6215	K31
4056994	RHM17000KST135H7HF KT6215	K31
4056995	RHM17463KST135H7HF KT6215	K31
4056996	RHM18000KST155H7HF KT6215	K31
4056997	RHM19000KST155H7HF KT6215	K31
4056998	RHM19050KST155H7HF KT6215	K31
4057034	RHM14000KST115H7SF KT325	K29
4057035	RHM14288KST115H7SF KT325	K29
4057036	RHM15000KST115H7SF KT325	K29
4057037	RHM15875KST115H7SF KT325	K29
4057038	RHM16000KST135H7SF KT325	K29
4057039	RHM17000KST135H7SF KT325	K29
4057040	RHM17463KST135H7SF KT325	K29
4057041	RHM18000KST155H7SF KT325	K29
4057042	RHM19000KST155H7SF KT325	K29
4057044	RHM14000KST115H7SF KT6215	K29
4057045	RHM14288KST115H7SF KT6215	K29
4057047	RHM15875KST115H7SF KT6215	K29
4057048	RHM16000KST135H7SF KT6215	K29
4057049	RHM17000KST135H7SF KT6215	K29
4057051	RHM18000KST155H7SF KT6215	K29
4057053	RHM19050KST155H7SF KT6215	K29
4057057	HSK63FBHM1696	K128
4057058	DV40FBHM1691	K129
4057059	BT40FBHM1691	K129
4057060	KM50TSFBHM1677	K128
4057061	AFM29115	K131
4057062	AFM47115	K131
4057093	AFM29SCFPR06	K132
4057094	AFM47SCFPR09	K132
4057095	EBM8015086	K132
4057096	886038045	K132
4057097	PKG-8001	K128–130
4057098	HSK63FBHMKIT164M	K123, K127
4057099	DV40FBHMKIT164M	K123, K127
4057100	BT40FBHMKIT164M	K123, K127
4057101	KM50TSFBHMKIT164M	K123, K127
4057204	EB630128650	K140
4057205	EB10801281100	K140
4057206	EB16301281650	K140
4057207	EBSLD1105	K140
4057208	EBSLD2205	K140
4057639	HNPJ1307ANSNHD KCPK30	S27
4057640	HNPJ1307ANSNHD KCK15	S27
4057641	HNPJ1307ANSNHD KC725M	S27
4057828	HNPJ130720ANSNHD KCPK30	S27
4057830	HNPJ130720ANSNHD KC725M	S27
4057854	HNPJ130735ANSNHD KCPK30	S27
4057855	HNPJ130735ANSNHD KCK15	S27
4057865	HNGJ1307ANENGD KCPK30	S26
4057867	HNGJ1307ANENGD KC725M	S26
4058547	LNEQ1235R03 4 KCK15	U20
4058551	LNEU1240R03SGP 4 KC725M	U20
4058763	LNEQ1240R03 4 KCPK30	U20
4059040	T620M240X300R6H-XL KP6525	M9
4059042	T620M300X350R6H-XL KP6525	M9
4059043	T620M330X350R6H-XL KP6525	M9
4059045	T620M360X400R6H-XL KP6525	M9
4059047	T620M420X450R6H-XL KP6525	M9
4059051	T630M240X300R6HX-XL KP6525	M30
4059053	T630M300X350R6HX-XL KP6525	M30
4059054	T630M330X350R6HX-XL KP6525	M30
4059056	T630M360X400R6HX-XL KP6525	M30
4059058	T630M420X450R6HX-XL KP6525	M30
4059062	T631M240X300R6HX-XL KP6525	M31
4059064	T631M300X350R6HX-XL KP6525	M31
4059065	T631M330X350R6HX-XL KP6525	M31
4059067	T631M360X400R6HX-XL KP6525	M31
4059069	T631M420X450R6HX-XL KP6525	M31
4059090	T620M240X300R6HX-D6 KP6525	M8
4059092	T620M300X350R6HX-D6 KP6525	M8
4059113	T620M330X350R6HX-D6 KP6525	M8
4059115	T620M360X400R6HX-D6 KP6525	M8
4059117	T620M420X450R6HX-D6 KP6525	M8
4059121	T630M300X350R6HX-D6 KP6525	M28
4059122	T630M330X350R6HX-D6 KP6525	M28
4059124	T630M360X400R6HX-D6 KP6525	M28
4059126	T630M420X450R6HX-D6 KP6525	M28
4059129	T631M240X300R6HX-D6 KP6525	M29
4059131	T631M300X350R6HX-D6 KP6525	M29
4059132	T631M330X350R6HX-D6 KP6525	M29
4059134	T631M360X400R6HX-D6 KP6525	M29
4059136	T631M420X450R6HX-D6 KP6525	M29
4059463	KSHR80A04RS45HN13	S25
4059485	KSHR160C09RS45HN13	S25
4059486	KSHR315C18RS45HN13	S25
4059938	LNEU1240R08 4 KC725M	U19
4059939	LNEU1240R16 4 KC725M	U19
4059940	LNEU1235R03 4 KC725M	U19
4059941	LNEU1240R03 4 KC725M	U19
4059942	LNEQ1235R03 4 KC725M	U20
4060093	LNEQ1240R03 4 KC725M	U20
4060099	LNEU1235R03 4 KC520M	U19
4060100	LNEU1240R08 4 KC520M	U19
4060101	LNEU1240R03 4 KC520M	U19
4060102	LNEU1235R03SGP 4 KC725M	U20
4060528	KST115115AS	K38
4060529	KST135155AS	K38
4060912	KSHR200C10RS45HN13	S25
4060933	KSHR250C12RS45HN13	S25
4060934	KSHR315C14RS45HN13	S25
4060935	KSHR100B05RS45HN13	S25
4060936	KSHR125B06RS45HN13	S25
4060937	KSHR200C12RS45HN13	S25
4060938	KSHR250C14RS45HN13	S25
4061407	XNXF1204ZNENW KY3500	S106
4062112	HSK100BT13075	K139
4062443	EBUCW0074	K141
4062902	KTIP260R3SCF25M	H32
4063183	KTIP270R3SCF25M	H32
4063184	KTIP260R5SCF25M	H32
4063185	KTIP270R5SCF25M	H32
4063186	KTIP260R8SCF25M	H32
4063187	KTIP270R8SCF25M	H32
4063188	KTIP260R3SS32M	H31
4063189	KTIP270R3SS32M	H31
4063190	KTIP260R5SS32M	H31
4063191	KTIP270R5SS32M	H31
4063192	KTIP260R8SS32M	H31
4063996	SDB24RBHT06F	K122
4063997	SDB30RBHT06F	K122
4063998	SDB40RBHT09F	K122
4063999	SDB50RBHT09F	K122
4064000	SDB66RBHT12F	K122
4064001	SDB66RBHT12LF	K122
4064002	SDB87RBHT12F	K122
4064203	SDB87RBHT16LF	K122
4064204	SDB115RBHT16LF	K122
4064205	SDB115RBHT12F	K122
4064258	TTP25	S25
4065057	A4G0605M06U08GMN KCP25	C96
4068604	RCMH3209M0RU KCP25	E60
4071037	B967A13000 KC7315	G134
4071041	A4G0505M05U08GMN KCP10	C96
4071068	A4R0505M05U00GMN KCP10	C97
4075269	CNMG120412MP KCP10	B51
4075270	DNMG150408MP KCP10	B79
4075271	DNMG150608MP KCP10	B79
4075304	WNMG080408MP KCP10	B157
4075305	CNMG120408MP KCP25	B51
4075306	CNMG120412MP KCP25	B51
4075307	DNMG150408MP KCP25	B79
4075308	DNMG150608MP KCP25	B79
4075309	TNMG160408MP KCP25	B125
4075310	WNMG060408MP KCP25	B157
4075311	WNMG080408MP KCP25	B157
4078132	B967A15300 KC7315	G134

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4078652	CNMG120404FP KCP10	B49
4078704	DNMG110408FP KCP10	B77
4078705	DNMG150408FP KCP10	B77
4078706	DNMG150608FP KCP10	B77
4078708	VNMG160408FP KCP10	B145
4078709	WNMG080404FP KCP10	B156
4078710	WNMG080408FP KCP10	B156
4078711	CNMG120408FP KCP25	B49
4078712	DNMG150408FP KCP25	B77
4078723	DNMG150608FP KCP25	B77
4078724	WNMG080404FP KCP25	B156
4078725	WNMG080408FP KCP25	B156
4080356	B967A10200 KC7315	G133
4080393	B967A12800 KC7315	G134
4080395	B967A15000 KC7315	G134
4081832	RIQ09E1306 KC6005	K55
4086429	B976A05558 KC7315	G139
4086430	B977A03454 KC7315	G138
4086431	B977A16670 KC7315	G142
4086935	A4G0405M04U08GMN KCP10	C96
4086956	A4R0405M04U00GMN KCP10	C97
4089831	B967A11300 KC7315	G133
4090567	F3AU0280ADK38 KC643M	P187
4090568	F3AU0380ADK38 KC643M	P187
4090569	F3AU0480ADK38 KC643M	P187
4090570	F3AU0575ADK38 KC643M	P187
4090571	F3AU0775ADK38 KC643M	P187
4090572	F3AU0970ADK38 KC643M	P187
4090773	F3AU1170ADK38 KC643M	P187
4090774	F3AU1370ADK38 KC643M	P187
4090775	F3AU1570ADK38 KC643M	P187
4090776	F3AU1770ADK38 KC643M	P187
4090777	F3AU1970ADK38 KC643M	P187
4090779	F2AU0180ADK38 KC643M	P186
4090780	F2AU0280ADK38 KC643M	P186
4090781	F2AU0380ADK38 KC643M	P186
4090782	F2AU0480ADK38 KC643M	P186
4090783	F2AU0575ADK38 KC643M	P186
4090784	F2AU0775ADK38 KC643M	P186
4090785	F2AU0970ADK38 KC643M	P186
4090786	F2AU1170ADK38 KC643M	P186
4090787	F2AU1370ADK38 KC643M	P186
4090788	F2AU1570ADK38 KC643M	P186
4090789	F2AU1770ADK38 KC643M	P186
4090790	F2AU1970ADK38 KC643M	P186
4102923	MEGA45D200C07LN24	S116
4102924	MEGA45D250C09LN24	S116
4102925	MEGA45D315C10LN24	S116
4106399	B707A07400FBS KN15	G114
4109624	NA3L10 KCU25	D12
4109625	NA3L4 KCU25	D12
4109626	NA3L5 KCU25	D12
4109627	NA3L6 KCU25	D12
4109628	NA3L8 KCU25	D12
4109629	NA3R10 KCU25	D12
4109630	NA3R4 KCU25	D12
4109631	NA3R5 KCU25	D12
4109632	NA3R6 KCU25	D12
4109633	NA3R8 KCU25	D12
4109636	NAS3L4 KCU25	D13
4109637	NAS3L6 KCU25	D13
4109638	NAS3L8 KCU25	D13
4109640	NAS3R12 KCU25	D13
4109641	NAS3R4 KCU25	D13
4109644	NAS3R8 KCU25	D13
4109645	NF3125LK KCU25	C159
4109646	NF3125RK KCU25	C159
4109647	NF3156LK KCU25	C159
4109648	NF3156RK KCU25	C159
4109649	NF3188L KCU25	C161
4109650	NF3188R KCU25	C161
4109651	NFD3125LK KCU25	C160
4109652	NFD3125LKI KCU25	C160
4109653	NFD3125RK KCU25	C160
4109654	NFD3125RKI KCU25	C160
4109655	NFD3189LKI KCU25	C160
4109656	NFD3189RKI KCU25	C160
4109657	NFD4189LK KCU25	C160
4109658	NFD4189RK KCU25	C160
4109659	NFD4250LK KCU25	C160
4109660	NFD4250RK KCU25	C160
4109661	NG2031L KCU25	C155
4109662	NG2031LK KCU25	C147
4109663	NG2031R KCU25	C154
4109664	NG2031RK KCU25	C146
4109665	NG2041L KCU25	C155
4109666	NG2041R KCU25	C154
4109667	NG2047L KCU25	C155
4109668	NG2047LK KCU25	C147
4109669	NG2047R KCU25	C154
4109670	NG2047RK KCU25	C146
4109671	NG2058L KCU25	C155
4109672	NG2058R KCU25	C154
4109673	NG2062L KCU25	C155
4109674	NG2062LK KCU25	C147
4109675	NG2062R KCU25	C154
4109676	NG2062RK KCU25	C146
4109677	NG2094L KCU25	C155
4109678	NG2094LK KCU25	C147
4109679	NG2094R KCU25	C154
4109680	NG2094RK KCU25	C146
4109681	NG2125L KCU25	C155
4109682	NG2125LK KCU25	C148
4109683	NG2125R KCU25	C154
4109684	NG2125RK KCU25	C146
4109685	NG2M050RK KCU25	C146
4109686	NG2M080LK KCU25	C147
4109687	NG2M080RK KCU25	C146
4109688	NG2M100LK KCU25	C147
4109689	NG2M100RK KCU25	C146
4109690	NG2M120LK KCU25	C147
4109691	NG2M120RK KCU25	C146
4109692	NG2M140LK KCU25	C147
4109698	NG3M100LK KCU25	C148
4109699	NG3M100RK KCU25	C146
4109700	NG3M120LK KCU25	C148
4109701	NG3M120RK KCU25	C146
4109702	NG3M150LK KCU25	C148
4109713	NG3M150RK KCU25	C146
4109714	NG3M175LK KCU25	C148
4109715	NG3M175RK KCU25	C146
4109716	NG3M200LK KCU25	C148
4109717	NG3M200RK KCU25	C146
4109718	NG3M220LK KCU25	C148
4109719	NG3M220RK KCU25	C146
4109720	NG3M225LK KCU25	C148
4109721	NG3M225RK KCU25	C146
4109722	NG3M250LK KCU25	C148
4109723	NG2M140RK KCU25	C146
4109724	NG2M150LK KCU25	C147
4109725	NG2M150RK KCU25	C146
4109726	NG2M170LK KCU25	C147
4109727	NG2M170RK KCU25	C146
4109728	NG2M175LK KCU25	C147
4109729	NG2M175RK KCU25	C146
4109730	NG2M195LK KCU25	C147
4109731	NG2M195RK KCU25	C146
4109732	NG2M200LK KCU25	C147
4109733	NG3M250RK KCU25	C146
4109734	NG3M275LK KCU25	C148
4109735	NG3M275RK KCU25	C147
4109736	NG3M300LK KCU25	C148
4109737	NG3M300RK KCU25	C147
4109738	NG3M320LK KCU25	C148
4109739	NG3M320RK KCU25	C147
4109740	NG3M325LK KCU25	C148
4109741	NG3M325RK KCU25	C147
4109742	NG3M350LK KCU25	C148
4109743	NG2M200RK KCU25	C146
4109744	NG2M220LK KCU25	C147
4109745	NG2M220RK KCU25	C146
4109746	NG2M225LK KCU25	C147
4109747	NG2M225RK KCU25	C146
4109748	NG2M250LK KCU25	C147
4109749	NG2M250RK KCU25	C146
4109750	NG2M275LK KCU25	C147
4109751	NG2M275RK KCU25	C146
4109752	NG2M300LK KCU25	C148
4109753	NG3M350RK KCU25	C147
4109754	NG3M400LK KCU25	C148
4109755	NG3M400RK KCU25	C147
4109756	NG3M425LK KCU25	C148
4109757	NG3M425RK KCU25	C147
4109758	NG3M450LK KCU25	C148
4109759	NG3M450RK KCU25	C147
4109760	NG4125L KCU25	C155
4109761	NG4125LK KCU25	C148
4109762	NG4125R KCU25	C154
4109763	NG2M300RK KCU25	C146
4109764	NG2M325LK KCU25	C148
4109765	NG2M325RK KCU25	C146
4109766	NG3047L KCU25	C155
4109767	NG3047LK KCU25	C148
4109768	NG3047R KCU25	C154
4109769	NG3047RK KCU25	C146
4109770	NG3062L KCU25	C155
4109771	NG3062LK KCU25	C148
4109772	NG3062R KCU25	C154
4109773	NG4125RK KCU25	C147
4109774	NG4189L KCU25	C155
4109775	NG4189LK KCU25	C148
4109776	NG4189R KCU25	C154
4109777	NG4189RK KCU25	C147
4109778	NG4213R KCU25	C154
4109779	NG4250L KCU25	C155
4109780	NG4250LK KCU25	C148
4109781	NG4250R KCU25	C154
4109782	NG4250RK KCU25	C147
4109783	NG3062RK KCU25	C146
4109784	NG3072LK KCU25	C148
4109785	NG3072RK KCU25	C146
4109786	NG3078LK KCU25	C148
4109787	NG3078RK KCU25	C146
4109788	NG3088L KCU25	C155
4109789	NG3088R KCU25	C154
4109790	NG3094L KCU25	C155
4109791	NG3094LK KCU25	C148
4109792	NG3094R KCU25	C154
4109793	NG4M300LK KCU25	C148
4109794	NG4M300RK KCU25	C147
4109795	NG4M350LK KCU25	C148
4109796	NG4M350RK KCU25	C147
4109797	NG4M400LK KCU25	C148
4109798	NG4M400RK KCU25	C147
4109799	NG4M450RK KCU25	C147
4109800	NG4M500LK KCU25	C148
4109801	NG4M500RK KCU25	C147
4109803	NG3094RK KCU25	C146
4109804	NG3097L KCU25	C155
4109805	NG3097R KCU25	C154
4109806	NG3105L KCU25	C155
4109807	NG3105R KCU25	C154
4109808	NG3110L KCU25	C155
4109809	NG3110R KCU25	C154
4109810	NG3122L KCU25	C155
4109811	NG3122R KCU25	C154
4109812	NG3125L KCU25	C155
4109814	NG4M600LK KCU25	C148
4109815	NG4M600RK KCU25	C147
4109823	NG3125LK KCU25	C148
4109824	NG3125R KCU25	C154
4109825	NG3125RK KCU25	C147
4109826	NG3142L KCU25	C155
4109827	NG3142R KCU25	C154
4109828	NG3156L KCU25	C155
4109829	NG3156LK KCU25	C148
4109830	NG3156R KCU25	C154
4109831	NG3156RK KCU25	C147
4109832	NG3178L KCU25	C155
4109833	NG3185R KCU25	C154
4109834	NG3189L KCU25	C155
4109835	NG3189LK KCU25	C148
4109836	NG3189R KCU25	C154
4109837	NG3189RK KCU25	C147
4109838	NGC2C130L055K KCU25	C152
4109839	NGC2C130R055K KCU25	C152
4109840	NGC2C185L125K KCU25	C152
4109841	NGC2C215L150K KCU25	C152
4109842	NGC2C215R150K KCU25	C152
4109844	NGD3062LK KCU25	C149
4109845	NGD3062RK KCU25	C149
4109846	NGD3094LK KCU25	C149
4109847	NGD3094RK KCU25	C149
4109848	NGD3125LK KCU25	C149
4109849	NGD3125RK KCU25	C149
4109850	NGD3189LK KCU25	C149
4109851	NGD3189RK KCU25	C149
4109852	NGD4125LK KCU25	C149
4109853	NGD4125RK KCU25	C149
4109854	NGD4189LK KCU25	C149
4109855	NGD4189RK KCU25	C149
4109856	NGD4250LK KCU25	C149
4109857	NGD4250RK KCU25	C149
4109858	NJ3010R16 KCU25	D17
4109860	NJ3014R12 KCU25	D17
4109864	NJF3009R18 KCU25	D17
4109866	NJF3012R14 KCU25	D17
4109868	NJK3006R28 KCU25	D18
4109869	NJK3007R24 KCU25	D18
4109871	NJK3008R20 KCU25	D18
4109873	NJK3010R16 KCU25	D18
4109876	NJP3014R12 KCU25	D18
4109878	NJP3020R8 KCU25	D18
4109879	NP2002RK KCU25	C151
4109880	NP2012RK KCU25	C151
4109881	NP3002RK KCU25	C151
4109882	NP3012RK KCU25	C151
4109883	NPD2002RK KCU25	C151
4109884	NPD3002RK KCU25	C151
4109885	NPD3012RK KCU25	C151
4109887	NR2031L KCU25	C158
4109888	NR2031R KCU25	C158
4109889	NR2047L KCU25	C158
4109890	NR2047R KCU25	C158
4109891	NR2062L KCU25	C158
4109892	NR2062R KCU25	C158
4109903	NR2M050L KCU25	C158
4109904	NR2M050R KCU25	C158
4109905	NR3031L KCU25	C158
4109906	NR3031LK KCU25	C150
4109907	NR3031R KCU25	C158
4109908	NR3031RK KCU25	C150
4109909	NR3047L KCU25	C158
4109910	NR3047LK KCU25	C150
4109911	NR3047R KCU25	C158
4109912	NR3047RK KCU25	C150
4109913	NR3062L KCU25	C158
4109914	NR3062LK KCU25	C150
4109915	NR3062R KCU25	C158
4109916	NR3062RK KCU25	C150
4109917	NR3078LK KCU25	C150
4109918	NR3078RK KCU25	C150
4109919	NR3094L KCU25	C158
4109920	NR3094R KCU25	C158
4109921	NR4062LK KCU25	C150
4109922	NR4062RK KCU25	C150
4109923	NR4094LK KCU25	C150
4109924	NR4094RK KCU25	C150
4109925	NR4125L KCU25	C158
4109926	NR4125LK KCU25	C150
4109927	NR4125R KCU25	C158
4109928	NR4125RK KCU25	C150
4109929	NRD3031L KCU25	C159
4109930	NRD3031R KCU25	C159
4109931	NRD3062L KCU25	C159
4109932	NRD3062R KCU25	C159
4109933	NRD4062L KCU25	C159
4109934	NRD4062R KCU25	C159
4109935	NRD4094L KCU25	C159
4109936	NRD4125L KCU25	C159
4109937	NRD4125R KCU25	C159
4109938	NT2L KCU25	D19
4109939	NT2LK KCU25	D24
4109940	NT2R KCU25	D19
4109941	NT2RK KCU25	D24
4109942	NT3L KCU25	D19
4109943	NT3LCK KCU25	D21
4109944	NT3LK KCU25	D24
4109945	NT3R KCU25	D19
4109946	NT3RCK KCU25	D21
4109947	NT3RK KCU25	D24
4109948	NT4L KCU25	D19
4109949	NT4LCK KCU25	D21
4109950	NT4LK KCU25	D24
4109951	NT4R KCU25	D19
4109952	NT4RCK KCU25	D21
4109953	NT4RK KCU25	D24
4109954	NTF2L KCU25	D23

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4109955	NTF2R KCU25	D23
4109956	NTF3L KCU25	D23
4109957	NTF3R KCU25	D23
4109958	NTK2L KCU25	D23
4109959	NTK2R KCU25	D23
4109960	NTK3L KCU25	D23
4109961	NTK3R KCU25	D23
4109962	NTP2L KCU25	D24
4109963	NTP2R KCU25	D24
4109964	NTP3L KCU25	D24
4109965	NTP3R KCU25	D24
4109967	NTP4R KCU25	D24
4111714	B221A03048HP KCPK15	G46
4111715	B221A03100HP KCPK15	G46
4111716	B221A03175HP KCPK15	G46
4111717	B221A03200HP KCPK15	G46
4111718	B221A03264HP KCPK15	G46
4111719	B221A03300HP KCPK15	G46
4111720	B221A03400HP KCPK15	G46
4111721	B221A03455HP KCPK15	G46
4111722	B221A03500HP KCPK15	G46
4111727	B221A09600HP KCPK15	G48
4111728	B221A09700HP KCPK15	G48
4111729	B221A09800HP KCPK15	G48
4111730	B221A09900HP KCPK15	G48
4111731	B221A09921HP KCPK15	G48
4111732	B221A10000HP KCPK15	G48
4111733	B221A03571HP KCPK15	G46
4111734	B221A03600HP KCPK15	G46
4111736	B221A03700HP KCPK15	G46
4111737	B221A03734HP KCPK15	G46
4111738	B221A03800HP KCPK15	G46
4111739	B221A03900HP KCPK15	G46
4111740	B221A03970HP KCPK15	G46
4111741	B221A04000HP KCPK15	G46
4111742	B221A04039HP KCPK15	G46
4111743	B221A04090HP KCPK15	G46
4111744	B221A04100HP KCPK15	G46
4111745	B221A04200HP KCPK15	G46
4111746	B221A04217HP KCPK15	G46
4111747	B221A04300HP KCPK15	G46
4111748	B221A04366HP KCPK15	G46
4111749	B221A04400HP KCPK15	G46
4111750	B221A04500HP KCPK15	G46
4111751	B221A04600HP KCPK15	G46
4111752	B221A04623HP KCPK15	G46
4111753	B221A04700HP KCPK15	G46
4111754	B221A04763HP KCPK15	G46
4111755	B221A04800HP KCPK15	G46
4111756	B221A04852HP KCPK15	G46
4111757	B221A04900HP KCPK15	G46
4111758	B221A05000HP KCPK15	G46
4111759	B221A05100HP KCPK15	G46
4111760	B221A05106HP KCPK15	G47
4111761	B221A05159HP KCPK15	G47
4111762	B221A05200HP KCPK15	G47
4111763	B221A05300HP KCPK15	G47
4111764	B221A05400HP KCPK15	G47
4111765	B221A05410HP KCPK15	G47
4111766	B221A05500HP KCPK15	G47
4111767	B221A05558HP KCPK15	G47
4111768	B221A05600HP KCPK15	G47
4111769	B221A05616HP KCPK15	G47
4111770	B221A05700HP KCPK15	G47
4111771	B221A05800HP KCPK15	G47
4111772	B221A05900HP KCPK15	G47
4111774	B221A06000HP KCPK15	G47
4111775	B221A06100HP KCPK15	G47
4111776	B221A06200HP KCPK15	G47
4111777	B221A06300HP KCPK15	G47
4111778	B221A06350HP KCPK15	G47
4111779	B221A06400HP KCPK15	G47
4111780	B221A06500HP KCPK15	G47
4111781	B221A06528HP KCPK15	G47
4111782	B221A06600HP KCPK15	G47
4111783	B221A06630HP KCPK15	G47
4111784	B221A06700HP KCPK15	G47
4111785	B221A06746HP KCPK15	G47
4111786	B221A06800HP KCPK15	G47
4111787	B221A06900HP KCPK15	G47
4111788	B221A07000HP KCPK15	G47
4111789	B221A07100HP KCPK15	G47
4111790	B221A07145HP KCPK15	G47
4111792	B221A07200HP KCPK15	G47
4111793	B221A07300HP KCPK15	G47
4111794	B221A07400HP KCPK15	G47
4111795	B221A07500HP KCPK15	G47
4111796	B221A07541HP KCPK15	G47
4111797	B221A07600HP KCPK15	G47
4111798	B221A07700HP KCPK15	G47
4111799	B221A07800HP KCPK15	G47
4111800	B221A07900HP KCPK15	G47
4111801	B221A07938HP KCPK15	G47
4111802	B221A08000HP KCPK15	G47
4111803	B221A08100HP KCPK15	G47
4111804	B221A08200HP KCPK15	G47
4111805	B221A08300HP KCPK15	G47
4111806	B221A08334HP KCPK15	G47
4111807	B221A08400HP KCPK15	G47
4111808	B221A08433HP KCPK15	G47
4111809	B221A08500HP KCPK15	G47
4111810	B221A08600HP KCPK15	G47
4111811	B221A08700HP KCPK15	G47
4111812	B221A08733HP KCPK15	G47
4111813	B221A08800HP KCPK15	G48
4111814	B221A08900HP KCPK15	G48
4111815	B221A09000HP KCPK15	G48
4111816	B221A09100HP KCPK15	G48
4111817	B221A09129HP KCPK15	G48
4111818	B221A09200HP KCPK15	G48
4111819	B221A09300HP KCPK15	G48
4111820	B221A09347HP KCPK15	G48
4111821	B221A09400HP KCPK15	G48
4111822	B221A09500HP KCPK15	G48
4111823	B221A09525HP KCPK15	G48
4111824	B221A03000HP KCPK15	G46
4111833	B221A10100HP KCPK15	G48
4111834	B221A10200HP KCPK15	G48
4111835	B221A10300HP KCPK15	G48
4111836	B221A10320HP KCPK15	G48
4111837	B221A10400HP KCPK15	G48
4111838	B221A10500HP KCPK15	G48
4111839	B221A10600HP KCPK15	G48
4111840	B221A10700HP KCPK15	G48
4111841	B221A10716HP KCPK15	G48
4111842	B221A10800HP KCPK15	G48
4111843	B221A10900HP KCPK15	G48
4111844	B221A11000HP KCPK15	G48
4111845	B221A11100HP KCPK15	G48
4111846	B221A11113HP KCPK15	G48
4111847	B221A11200HP KCPK15	G48
4111848	B221A11300HP KCPK15	G48
4111849	B221A11400HP KCPK15	G48
4111850	B221A11500HP KCPK15	G48
4111851	B221A11509HP KCPK15	G48
4111852	B221A11600HP KCPK15	G48
4111853	B221A11700HP KCPK15	G48
4111854	B221A11800HP KCPK15	G48
4111855	B221A11900HP KCPK15	G48
4111856	B221A11908HP KCPK15	G48
4111857	B221A12000HP KCPK15	G48
4111858	B221A12100HP KCPK15	G48
4111859	B221A12200HP KCPK15	G48
4111860	B221A12300HP KCPK15	G48
4111861	B221A12400HP KCPK15	G48
4111862	B221A12500HP KCPK15	G48
4111863	B221A12600HP KCPK15	G48
4111864	B221A12700HP KCPK15	G48
4111865	B221A12800HP KCPK15	G48
4111866	B221A12900HP KCPK15	G48
4111867	B221A13000HP KCPK15	G49
4111868	B221A13100HP KCPK15	G49
4111869	B221A13200HP KCPK15	G49
4111870	B221A13300HP KCPK15	G49
4111871	B221A13500HP KCPK15	G49
4111872	B221A13600HP KCPK15	G49
4111873	B221A13700HP KCPK15	G49
4111874	B221A13800HP KCPK15	G49
4111875	B221A13891HP KCPK15	G49
4111877	B221A14000HP KCPK15	G49
4111878	B221A14100HP KCPK15	G49
4111879	B221A14200HP KCPK15	G49
4111880	B221A14288HP KCPK15	G49
4111881	B221A14300HP KCPK15	G49
4111882	B221A14400HP KCPK15	G49
4111883	B221A14500HP KCPK15	G49
4111884	B221A14600HP KCPK15	G49
4111885	B221A14684HP KCPK15	G49
4111886	B221A14700HP KCPK15	G49
4111887	B221A14800HP KCPK15	G49
4111888	B221A14900HP KCPK15	G49
4111889	B221A15000HP KCPK15	G49
4111890	B221A15083HP KCPK15	G49
4111891	B221A15100HP KCPK15	G49
4111892	B221A15200HP KCPK15	G49
4111893	B221A15300HP KCPK15	G49
4111894	B221A15400HP KCPK15	G49
4111895	B221A15479HP KCPK15	G49
4111896	B221A15500HP KCPK15	G49
4111897	B221A15600HP KCPK15	G49
4111898	B221A15700HP KCPK15	G49
4111899	B221A15800HP KCPK15	G49
4111900	B221A15875HP KCPK15	G49
4111901	B221A15900HP KCPK15	G49
4111902	B221A16000HP KCPK15	G49
4111903	B221A16500HP KCPK15	G49
4111904	B221A17000HP KCPK15	G49
4111905	B221A17463HP KCPK15	G49
4111906	B221A17500HP KCPK15	G49
4111907	B221A17700HP KCPK15	G49
4111908	B221A18000HP KCPK15	G49
4111909	B221A18500HP KCPK15	G49
4111910	B221A19000HP KCPK15	G49
4111911	B221A19050HP KCPK15	G49
4111912	B221A19500HP KCPK15	G49
4111913	B221A20000HP KCPK15	G49
4111914	B221A20500HP KCPK15	G49
4111915	B221A21000HP KCPK15	G49
4111920	B222A03048HP KCPK15	G46
4111921	B222A03000HP KCPK15	G46
4111922	B222A03175HP KCPK15	G46
4111933	B222A03264HP KCPK15	G46
4111934	B222A03300HP KCPK15	G46
4111935	B222A03455HP KCPK15	G46
4111936	B222A03500HP KCPK15	G46
4111937	B222A03571HP KCPK15	G46
4111938	B222A03700HP KCPK15	G46
4111939	B222A03800HP KCPK15	G46
4111940	B222A03970HP KCPK15	G46
4111941	B222A04000HP KCPK15	G46
4111942	B222A04200HP KCPK15	G46
4111943	B222A04366HP KCPK15	G46
4111944	B222A04500HP KCPK15	G46
4111945	B222A04600HP KCPK15	G46
4111946	B222A04763HP KCPK15	G46
4111947	B222A04800HP KCPK15	G46
4111948	B222A05000HP KCPK15	G46
4111949	B222A05100HP KCPK15	G46
4111950	B222A05106HP KCPK15	G47
4111951	B222A05159HP KCPK15	G47
4111952	B222A05410HP KCPK15	G47
4111953	B222A05500HP KCPK15	G47
4111954	B222A05558HP KCPK15	G47
4111955	B222A05800HP KCPK15	G47
4111957	B222A05954HP KCPK15	G47
4111958	B222A06000HP KCPK15	G47
4111959	B222A06350HP KCPK15	G47
4111960	B222A06500HP KCPK15	G47
4111961	B222A06528HP KCPK15	G47
4111962	B222A06746HP KCPK15	G47
4111963	B222A06800HP KCPK15	G47
4111964	B222A07000HP KCPK15	G47
4111965	B222A07145HP KCPK15	G47
4111966	B222A07500HP KCPK15	G47
4111967	B222A07541HP KCPK15	G47
4111968	B222A07800HP KCPK15	G47
4111969	B222A07938HP KCPK15	G47
4111970	B222A08000HP KCPK15	G47
4111971	B222A08200HP KCPK15	G47
4111972	B222A08334HP KCPK15	G47
4111973	B222A08433HP KCPK15	G47
4111974	B222A08500HP KCPK15	G47
4111975	B222A08733HP KCPK15	G47
4111976	B222A08800HP KCPK15	G48
4111977	B222A09000HP KCPK15	G48
4111978	B222A09129HP KCPK15	G48
4111979	B222A09300HP KCPK15	G48
4111982	B222A09500HP KCPK15	G48
4111983	B222A09525HP KCPK15	G48
4111984	B222A09800HP KCPK15	G48
4111985	B222A09921HP KCPK15	G48
4111986	B222A10000HP KCPK15	G48
4111987	B222A10200HP KCPK15	G48
4111988	B222A10320HP KCPK15	G48
4111989	B222A10500HP KCPK15	G48
4111990	B222A10716HP KCPK15	G48
4111991	B222A10800HP KCPK15	G48
4111992	B222A11000HP KCPK15	G48
4111993	B222A11113HP KCPK15	G48
4111994	B222A11500HP KCPK15	G48
4111995	B222A11509HP KCPK15	G48
4111996	B222A11908HP KCPK15	G48
4111997	B222A12000HP KCPK15	G48
4111998	B222A12304HP KCPK15	G48
4111999	B222A12500HP KCPK15	G48
4112000	B222A12700HP KCPK15	G48
4112001	B222A13000HP KCPK15	G49
4112002	B222A13500HP KCPK15	G49
4112003	B222A14000HP KCPK15	G49
4112004	B222A14288HP KCPK15	G49
4112005	B222A14500HP KCPK15	G49
4112006	B222A15000HP KCPK15	G49
4112007	B222A15500HP KCPK15	G49
4112008	B222A15875HP KCPK15	G49
4112009	B222A16000HP KCPK15	G49
4112010	B222A16500HP KCPK15	G49
4112011	B222A17000HP KCPK15	G49
4112012	B222A17463HP KCPK15	G49
4112013	B222A17500HP KCPK15	G49
4112014	B222A18000HP KCPK15	G49
4112015	B222A18500HP KCPK15	G49
4112016	B222A19000HP KCPK15	G49
4112017	B222A19050HP KCPK15	G49
4112018	B222A20000HP KCPK15	G49
4112019	B222A06700HP KCPK15	G47
4112241	B225A10100HP KCPK15	G53
4112242	B225A10200HP KCPK15	G53
4112416	B224A04496HP KCPK15	G51
4112417	B224A04700HP KCPK15	G51
4112418	B224A05106HP KCPK15	G52
4112419	B224A05600HP KCPK15	G52
4112420	B224A05791HP KCPK15	G52
4112421	B224A05944HP KCPK15	G52
4112422	B224A06528HP KCPK15	G52
4112443	B224A06700HP KCPK15	G52
4112444	B224A06909HP KCPK15	G52
4112445	B224A07366HP KCPK15	G52
4112446	B224A07400HP KCPK15	G52
4112447	B224A08839HP KCPK15	G53
4112448	B224A09093HP KCPK15	G53
4112449	B224A09400HP KCPK15	G53
4112450	B224A12800HP KCPK15	G54
4112451	B224A13100HP KCPK15	G54
4112452	B224A13495HP KCPK15	G54
4112453	B224A14500HP KCPK15	G54
4112454	B225A03797HP KCPK15	G51
4112455	B225A04496HP KCPK15	G51
4112456	B225A05106HP KCPK15	G52
4112457	B225A05791HP KCPK15	G52
4112458	B225A05944HP KCPK15	G52
4112459	B225A06909HP KCPK15	G52
4112460	B225A07366HP KCPK15	G52
4112461	B225A08839HP KCPK15	G53
4112462	B225A09093HP KCPK15	G53
4112463	B225A12304HP KCPK15	G54
4112464	B225A13495HP KCPK15	G54
4112465	B225A03048HP KCPK15	G51
4112466	B225A03000HP KCPK15	G51
4112467	B225A03100HP KCPK15	G51
4112468	B225A03175HP KCPK15	G51
4112469	B225A03200HP KCPK15	G51
4112470	B225A03264HP KCPK15	G51
4112471	B225A03300HP KCPK15	G51
4112472	B225A03400HP KCPK15	G51
4112483	B225A10300HP KCPK15	G53
4112484	B225A10320HP KCPK15	G53
4112485	B225A10400HP KCPK15	G53
4112486	B225A10500HP KCPK15	G53

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4112487	B225A10600HP KCPK15	G53
4112488	B225A10700HP KCPK15	G53
4112489	B225A10716HP KCPK15	G53
4112490	B225A10800HP KCPK15	G53
4112491	B225A10900HP KCPK15	G53
4112492	B225A11000HP KCPK15	G53
4112493	B225A11100HP KCPK15	G53
4112494	B225A11113HP KCPK15	G53
4112495	B225A11200HP KCPK15	G53
4112496	B225A11300HP KCPK15	G53
4112497	B225A11400HP KCPK15	G53
4112498	B225A11500HP KCPK15	G53
4112499	B225A11509HP KCPK15	G53
4112500	B225A11600HP KCPK15	G53
4112501	B225A11700HP KCPK15	G53
4112502	B225A11800HP KCPK15	G53
4112503	B225A11900HP KCPK15	G53
4112504	B225A11908HP KCPK15	G53
4112505	B225A12000HP KCPK15	G53
4112506	B225A12100HP KCPK15	G54
4112507	B225A12200HP KCPK15	G54
4112508	B225A12300HP KCPK15	G54
4112509	B225A12400HP KCPK15	G54
4112510	B225A12500HP KCPK15	G54
4112511	B225A12600HP KCPK15	G54
4112512	B225A12700HP KCPK15	G54
4112513	B225A12800HP KCPK15	G54
4112514	B225A12900HP KCPK15	G54
4112515	B225A13000HP KCPK15	G54
4112516	B225A13100HP KCPK15	G54
4112517	B225A13200HP KCPK15	G54
4112518	B225A13300HP KCPK15	G54
4112519	B225A13400HP KCPK15	G54
4112520	B225A13500HP KCPK15	G54
4112521	B225A13600HP KCPK15	G54
4112522	B225A13700HP KCPK15	G54
4112523	B225A13800HP KCPK15	G54
4112525	B225A13891HP KCPK15	G54
4112526	B225A13900HP KCPK15	G54
4112527	B225A14000HP KCPK15	G54
4112528	B225A14100HP KCPK15	G54
4112529	B225A14200HP KCPK15	G54
4112530	B225A14288HP KCPK15	G54
4112531	B225A14300HP KCPK15	G54
4112532	B225A14400HP KCPK15	G54
4112533	B225A14500HP KCPK15	G54
4112534	B225A14600HP KCPK15	G54
4112535	B225A14684HP KCPK15	G54
4112536	B225A14700HP KCPK15	G54
4112537	B225A14800HP KCPK15	G54
4112538	B225A14900HP KCPK15	G54
4112539	B225A15000HP KCPK15	G54
4112540	B225A15083HP KCPK15	G54
4112541	B225A15100HP KCPK15	G54
4112542	B225A15200HP KCPK15	G54
4112543	B225A15300HP KCPK15	G54
4112544	B225A15400HP KCPK15	G54
4112545	B225A15479HP KCPK15	G54
4112546	B225A15500HP KCPK15	G54
4112547	B225A15600HP KCPK15	G54
4112548	B225A15700HP KCPK15	G54
4112549	B225A15800HP KCPK15	G54
4112550	B225A15875HP KCPK15	G54
4112551	B225A15900HP KCPK15	G54
4112552	B225A16000HP KCPK15	G54
4112553	B225A16100HP KCPK15	G54
4112554	B225A16500HP KCPK15	G54
4112555	B225A16670HP KCPK15	G54
4112556	B225A17000HP KCPK15	G55
4112557	B225A17463HP KCPK15	G55
4112558	B225A17500HP KCPK15	G55
4112559	B225A17700HP KCPK15	G55
4112560	B225A18000HP KCPK15	G55
4112561	B225A18500HP KCPK15	G55
4112562	B225A19000HP KCPK15	G55
4112563	B225A19050HP KCPK15	G55
4112564	B225A19200HP KCPK15	G55
4112565	B225A19250HP KCPK15	G55
4112566	B225A19300HP KCPK15	G55
4112567	B225A19500HP KCPK15	G55
4112568	B225A20000HP KCPK15	G55
4112569	B225A20500HP KCPK15	G55
4112570	B225A21000HP KCPK15	G55
4112583	B225A03455HP KCPK15	G51
4112584	B225A03500HP KCPK15	G51
4112585	B225A03571HP KCPK15	G51
4112586	B225A03600HP KCPK15	G51
4112587	B225A03700HP KCPK15	G51
4112588	B225A03800HP KCPK15	G51
4112589	B225A03900HP KCPK15	G51
4112590	B225A03970HP KCPK15	G51
4112591	B225A04000HP KCPK15	G51
4112592	B225A04100HP KCPK15	G51
4112593	B225A04200HP KCPK15	G51
4112594	B225A04300HP KCPK15	G51
4112595	B225A04366HP KCPK15	G51
4112596	B225A04400HP KCPK15	G51
4112597	B225A04500HP KCPK15	G51
4112598	B225A04600HP KCPK15	G51
4112599	B225A04700HP KCPK15	G51
4112600	B225A04763HP KCPK15	G51
4112601	B225A04800HP KCPK15	G51
4112602	B225A04900HP KCPK15	G52
4112603	B225A05000HP KCPK15	G52
4112604	B225A05100HP KCPK15	G52
4112605	B225A05159HP KCPK15	G52
4112606	B225A05200HP KCPK15	G52
4112607	B225A05300HP KCPK15	G52
4112608	B225A05400HP KCPK15	G52
4112609	B225A05410HP KCPK15	G52
4112610	B225A05500HP KCPK15	G52
4112611	B225A05558HP KCPK15	G52
4112612	B225A05600HP KCPK15	G52
4112613	B225A05700HP KCPK15	G52
4112614	B225A05800HP KCPK15	G52
4112615	B225A05900HP KCPK15	G52
4112616	B225A05954HP KCPK15	G52
4112617	B225A06000HP KCPK15	G52
4112618	B225A06100HP KCPK15	G52
4112619	B225A06200HP KCPK15	G52
4112620	B225A06300HP KCPK15	G52
4112621	B225A06350HP KCPK15	G52
4112622	B225A06400HP KCPK15	G52
4112623	B225A06500HP KCPK15	G52
4112624	B225A06528HP KCPK15	G52
4112625	B225A06600HP KCPK15	G52
4112626	B225A06700HP KCPK15	G52
4112627	B225A06746HP KCPK15	G52
4112628	B225A06800HP KCPK15	G52
4112629	B225A06900HP KCPK15	G52
4112630	B225A07000HP KCPK15	G52
4112631	B225A07100HP KCPK15	G52
4112632	B225A07145HP KCPK15	G52
4112633	B225A07200HP KCPK15	G52
4112634	B225A07300HP KCPK15	G52
4112635	B225A07400HP KCPK15	G52
4112636	B225A07500HP KCPK15	G52
4112637	B225A07541HP KCPK15	G52
4112638	B225A07600HP KCPK15	G52
4112639	B225A07700HP KCPK15	G52
4112640	B225A07800HP KCPK15	G52
4112641	B225A07900HP KCPK15	G52
4112642	B225A07938HP KCPK15	G52
4112643	B225A08000HP KCPK15	G52
4112644	B225A08100HP KCPK15	G52
4112645	B225A08200HP KCPK15	G52
4112646	B225A08300HP KCPK15	G53
4112647	B225A08334HP KCPK15	G53
4112648	B225A08400HP KCPK15	G53
4112649	B225A08433HP KCPK15	G53
4112650	B225A08500HP KCPK15	G53
4112651	B225A08600HP KCPK15	G53
4112652	B225A08700HP KCPK15	G53
4112653	B225A08733HP KCPK15	G53
4112654	B225A08800HP KCPK15	G53
4112655	B225A08900HP KCPK15	G53
4112656	B225A09000HP KCPK15	G53
4112657	B225A09100HP KCPK15	G53
4112658	B225A09129HP KCPK15	G53
4112659	B225A09200HP KCPK15	G53
4112660	B225A09300HP KCPK15	G53
4112661	B225A09347HP KCPK15	G53
4112662	B225A09400HP KCPK15	G53
4112663	B225A09500HP KCPK15	G53
4112664	B225A09525HP KCPK15	G53
4112665	B225A09600HP KCPK15	G53
4112666	B225A09700HP KCPK15	G53
4112667	B225A09800HP KCPK15	G53
4112668	B225A09900HP KCPK15	G53
4112669	B225A09921HP KCPK15	G53
4112670	B225A10000HP KCPK15	G53
4112672	B224A03048HP KCPK15	G51
4112673	B224A03000HP KCPK15	G51
4112674	B224A03100HP KCPK15	G51
4112675	B224A03175HP KCPK15	G51
4112676	B224A03200HP KCPK15	G51
4112677	B224A03264HP KCPK15	G51
4112678	B224A03300HP KCPK15	G51
4112679	B224A03400HP KCPK15	G51
4112680	B224A03455HP KCPK15	G51
4112681	B224A03500HP KCPK15	G51
4112683	B224A03600HP KCPK15	G51
4112684	B224A03658HP KCPK15	G51
4112685	B224A03700HP KCPK15	G51
4112686	B224A03734HP KCPK15	G51
4112687	B224A03800HP KCPK15	G51
4112688	B224A03900HP KCPK15	G51
4112689	B224A03970HP KCPK15	G51
4112690	B224A04000HP KCPK15	G51
4112691	B224A04039HP KCPK15	G51
4112692	B224A04090HP KCPK15	G51
4112693	B224A04200HP KCPK15	G51
4112694	B224A04217HP KCPK15	G51
4112695	B224A04366HP KCPK15	G51
4112696	B224A04623HP KCPK15	G51
4112697	B224A04763HP KCPK15	G51
4112698	B224A04852HP KCPK15	G51
4112699	B224A05000HP KCPK15	G52
4112700	B224A05100HP KCPK15	G52
4112701	B224A05159HP KCPK15	G52
4112702	B224A05410HP KCPK15	G52
4112703	B224A05500HP KCPK15	G52
4112704	B224A05558HP KCPK15	G52
4112705	B224A05616HP KCPK15	G52
4112706	B224A05954HP KCPK15	G52
4112707	B224A06000HP KCPK15	G52
4112708	B224A06350HP KCPK15	G52
4112709	B224A06500HP KCPK15	G52
4112710	B224A06630HP KCPK15	G52
4112711	B224A06746HP KCPK15	G52
4112712	B224A06800HP KCPK15	G52
4112713	B224A07000HP KCPK15	G52
4112714	B224A07145HP KCPK15	G52
4112715	B224A07500HP KCPK15	G52
4112716	B224A07541HP KCPK15	G52
4112717	B224A07938HP KCPK15	G52
4112718	B224A08000HP KCPK15	G52
4112719	B224A08200HP KCPK15	G52
4112720	B224A08334HP KCPK15	G53
4112721	B224A08433HP KCPK15	G53
4112722	B224A08500HP KCPK15	G53
4112723	B224A08700HP KCPK15	G53
4112724	B224A08733HP KCPK15	G53
4112725	B224A08800HP KCPK15	G53
4112726	B224A09000HP KCPK15	G53
4112727	B224A09129HP KCPK15	G53
4112728	B224A09500HP KCPK15	G53
4112729	B224A09525HP KCPK15	G53
4112730	B224A09921HP KCPK15	G53
4112731	B224A10000HP KCPK15	G53
4112732	B224A10200HP KCPK15	G53
4112733	B224A10300HP KCPK15	G53
4112734	B224A10320HP KCPK15	G53
4112735	B224A10400HP KCPK15	G53
4112736	B224A10500HP KCPK15	G53
4112737	B224A10716HP KCPK15	G53
4112738	B224A10800HP KCPK15	G53
4112739	B224A11000HP KCPK15	G53
4112740	B224A11113HP KCPK15	G53
4112741	B224A11500HP KCPK15	G53
4112742	B224A11509HP KCPK15	G53
4112743	B224A11908HP KCPK15	G53
4112744	B224A12000HP KCPK15	G53
4112745	B224A12300HP KCPK15	G54
4112746	B224A12304HP KCPK15	G54
4112747	B224A12500HP KCPK15	G54
4112748	B224A12700HP KCPK15	G54
4112749	B224A13000HP KCPK15	G54
4112750	B224A13096HP KCPK15	G54
4112751	B224A13500HP KCPK15	G54
4112752	B224A13891HP KCPK15	G54
4112753	B224A14000HP KCPK15	G54
4112754	B224A14288HP KCPK15	G54
4112755	B224A14684HP KCPK15	G54
4112756	B224A15083HP KCPK15	G54
4112758	B224A15500HP KCPK15	G54
4112759	B224A15600HP KCPK15	G54
4112760	B224A15875HP KCPK15	G54
4112761	B224A16000HP KCPK15	G54
4112762	B224A16500HP KCPK15	G54
4112763	B224A17000HP KCPK15	G55
4112764	B224A17463HP KCPK15	G55
4112765	B224A17500HP KCPK15	G55
4112766	B224A18000HP KCPK15	G55
4112767	B224A19000HP KCPK15	G55
4112768	B224A19050HP KCPK15	G55
4112769	B224A20000HP KCPK15	G55
4113708	A4C0155N00CF01 KCU25	C102
4113709	A4C0155R10CF01 KCU25	C103
4113710	A4C0205L06CF02 KCU25	C103
4113711	A4C0205N00CF02 KCU25	C102
4113712	A4C0205R06CF02 KCU25	C103
4113983	KF2X25Z02M12W009	V38
4113984	KF2X32Z03M16W009	V38
4113985	KF2X35Z03M16W009	V38
4113986	KF2X42Z04M16W009	V38
4113987	KF2X25Z02A25W009L140	V39
4113988	KF2X25Z02A25W009L200	V39
4113989	KF2X25Z02A25W009L300	V39
4113990	KF2X28Z02A25W009L200	V39
4113991	KF2X32Z03A32W009L150	V39
4113992	KF2X32Z03A32W009L200	V39
4113993	KF2X32Z03A32W009L300	V39
4113994	KF2X35Z03A32W009L200	V39
4113995	KF2X40Z04W009	V40
4113996	KF2X50Z05W009	V40
4113997	KF2X52Z05W009	V40
4113998	KF2X63Z05W009	V40
4113999	KF2X66Z06W009	V40
4114000	KF2X80Z07W009	V40
4114283	A4C0205R10CF02 KCU25	C103
4114284	A4C0255N00CF02 KCU25	C102
4114285	A4C0305L06CF02 KCU25	C103
4114286	A4C0305L10CF02 KCU25	C103
4114287	A4C0305N00CF02 KCU25	C102
4114288	A4C0305R06CF02 KCU25	C103
4114289	A4C0305R10CF02 KCU25	C103
4114290	A4C0405L06CF02 KCU25	C103
4114291	A4C0405L10CF02 KCU25	C103
4114292	A4C0405N00CF02 KCU25	C102
4114293	A4C0405R06CF02 KCU25	C103
4114294	A4C0405R10CF02 KCU25	C103
4114295	A4G0200M02P02GMP KCU25	C95
4114296	A4G0205M02U02GMN KCU25	C96
4114297	A4G0205M02U02GMP KCU25	C95
4114298	A4G0255M2BU02GMP KCU25	C95
4114299	A4G0300M03P02GMP KCU25	C95
4114300	A4G0300M03P04GMP KCU25	C95
4114301	A4G0305M03U02B KCU25	C98
4114302	A4G0305M03U02GMN KCU25	C96
4114303	A4G0305M03U02GMP KCU25	C95
4114304	A4G0305M03U04GMN KCU25	C96
4114305	A4G0305M03U04GMP KCU25	C95
4114306	A4G0400M04P02GMP KCU25	C95
4114307	A4G0400M04P04GMP KCU25	C95
4114308	A4G0400M04P08GMP KCU25	C95
4114309	A4G0405M04U04GMN KCU25	C96
4114310	A4G0405M04U04GMP KCU25	C95
4114311	A4G0405M04U08GMN KCU25	C96
4114312	A4G0405M04U08GMP KCU25	C95
4114313	A4G0500M05P04GMP KCU25	C95
4114315	A4G0505M05U04B KCU25	C98
4114316	A4G0505M05U04GMN KCU25	C96
4114317	A4G0505M05U04GMP KCU25	C95
4114318	A4G0505M05U08GMN KCU25	C96
4114319	A4G0505M05U08GMP KCU25	C95
4114320	A4G0600M06P04GMP KCU25	C95
4114321	A4G0600M06P08GMP KCU25	C95

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4114322	A4G0605M06U04B KCU25	C98
4114323	A4G0605M06U04GMN KCU25	C96
4114325	A4G0605M06U08GMN KCU25	C96
4114328	A4G0800M08P08GMP KCU25	C95
4114329	A4G0805M08U08GMN KCU25	C96
4114330	A4G0805M08U08GMP KCU25	C95
4114331	A4G0805M08U12GMN KCU25	C96
4114333	A4G1005M10U08GMN KCU25	C96
4114334	A4G1005M10U08GMP KCU25	C95
4114335	A4G125I03P05GMN KCU25	C97
4114336	A4G125I03P1GMN KCU25	C97
4114337	A4G187I04P1GMN KCU25	C97
4114338	A4G187I04P2GMN KCU25	C97
4114339	A4G250I06P1GMN KCU25	C97
4114340	A4G250I06P2GMN KCU25	C97
4114341	A4G312I08P1GMN KCU25	C97
4114343	A4R0200M02P00GMP KCU25	C96
4114344	A4R0205M02U00GMN KCU25	C97
4114345	A4R0300M03P00GMP KCU25	C96
4114346	A4R0305M03U00GMN KCU25	C97
4114347	A4R0400M04P00GMP KCU25	C96
4114348	A4R0405M04U00GMN KCU25	C97
4114349	A4R0500M05P00GMP KCU25	C96
4114350	A4R0505M05U00GMN KCU25	C97
4114351	A4R0600M06P00GMP KCU25	C96
4114352	A4R0605M06U00GMN KCU25	C97
4114353	A4R0800M08P00GMP KCU25	C96
4114354	A4R0805M08U00GMN KCU25	C97
4114355	A4R1005M10U00GMN KCU25	C97
4114356	A4R125I03P00GMN KCU25	C97
4114357	A4R187I04P00GMN KCU25	C97
4114358	A4R250I06P00GMN KCU25	C97
4114696	B967A09800 KC7315	G133
4114713	B967A11800 KC7315	G134
4115401	DFR040304ST KD1425	J85
4115433	DFT05T308ST KD1425	J85
4115434	DFT06T308ST KD1425	J85
4115435	DFT070408ST KD1425	J85
4115436	DFT090508ST KD1425	J85
4115437	DFT110508ST KD1425	J85
4118347	VCGR160404 KCP25	E34
4119190	HNGJ0604ANENLD KCPK30	S6, S12, S15
4119224	HNGJ0604ANENLD KC725M	S6, S12, S15
4119227	HNGJ0604ANENLD KCK15	S6, S12, S15
4119228	HNPJ0604ANSNHD KCPK30	S7, S13, S16
4119229	HNPJ0604ANSNHD KC725M	S7, S13, S16
4119230	HNPJ0604ANSNHD KCK15	S7, S13, S16
4119253	XNGJ0604ANENLD3W KC725M	S12
4119639	HNGJ060432ANENLD KCPK30	S6, S12, S15
4119640	HNGJ060432ANENLD KC725M	S6, S12, S15
4119696	HNPJ0604ANSNGD KC520M	S7, S13, S16
4119697	HNPJ0604ANSNGD KC522M	S7, S13, S16
4119699	HNPJ0604ANSNGD KCK15	S7, S13, S16
4119700	HNPJ0604ANSNGD KCPK30	S7, S13, S16
4119701	HNPJ0604ANSNGD KC725M	S7, S13, S16
4119702	HNPJ0604ANSNHD KC520M	S7, S13, S16
4119703	HNPJ0604ANSNHD KC522M	S7, S13, S16
4119989	HNPJ060432ANSNHD KC522M	S7, S13, S16
4119991	HNPJ060432ANSNHD KCK15	S7, S13, S16
4119992	HNPJ060432ANSNHD KCPK30	S7, S13, S16
4120003	HNPJ060432ANSNHD KC725M	S7, S13, S16
4120661	A4G0305M03U04GMN KCP25	C96
4121491	B051A14000CPG KC7325	G21
4121505	B052A03300CPG KC7325	G19
4121528	B051A03200CPG KC7325	G19
4121529	B051A04000CPG KC7325	G19
4121532	B051A05900CPG KC7325	G19
4121534	B051A06000CPG KC7325	G20
4121574	HNGJ0604ANFNLDJ K313	S6, S11, S15
4121575	HNGJ0604ANFNLDJ KC410M	S6, S11, S15
4121576	HNGJ0604ANENLD KC510M	S6, S12, S15
4121577	HNGJ0604ANENLD KC520M	S6, S12, S15
4121578	HNGJ0604ANENLD KC522M	S6, S12, S15
4121604	XNGJ0604ANFNLDJ3W KC410M	S11
4121605	XNGJ0604ANENLD3W KC510M	S12
4121607	XNGJ0604ANENLD3W KC522M	S12
4121683	SNMG120408MS KCU25	B99
4121684	SNMG120408RP KCU25	B101
4121685	SNMG120412MS KCU25	B99
4121686	SNMG150608MS KCU25	B99
4121687	SNMG150612MS KCU25	B99
4121688	SNMG150616RP KCU25	B101
4121689	SNMG190612MS KCU25	B99
4121690	SNMG190616RP KCU25	B101
4121695	TNMG160402MS KCU25	B126
4121696	TNMG160404MS KCU25	B126
4121697	TNMG160408MS KCU25	B126
4121698	TNMG160408RP KCU25	B128
4121699	TNMG160412RP KCU25	B128
4121700	TNMG220404MS KCU25	B126
4121701	TNMG220408MS KCU25	B126
4121702	TNMG220408RP KCU25	B128
4121703	TNMG220412MS KCU25	B126
4121704	TNMG220412RP KCU25	B128
4121705	TNMG220416RP KCU25	B128
4121706	TNMG270608MS KCU25	B126
4121707	TNMG270612RP KCU25	B128
4121708	VNGG160402FS KCU25	B143
4121710	VNGG160404FS KCU25	B143
4121711	VNGG160408FS KCU25	B143
4121712	VNMG160402MS KCU25	B146
4121713	VNMG160401MS KCU25	B146
4121714	VNMG160404MS KCU25	B146
4121715	VNMG160408MS KCU25	B146
4121716	VNMG160408RP KCU25	B147
4121717	VNMG160412RP KCU25	B147
4121718	VNMG220404MS KCU25	B146
4121719	VNMG220408MS KCU25	B146
4121720	WNMG060408MS KCU25	B158
4121721	WNMG060408RP KCU25	B159
4121722	WNMG080402MS KCU25	B158
4121723	WNMG080404MS KCU25	B158
4121724	WNMG080408MS KCU25	B158
4121725	WNMG080408RP KCU25	B159
4121726	WNMG080412RP KCU25	B159
4121727	WNMG080416RP KCU25	B159
4122886	KSHR050A05RS45HN06	S10
4122887	KSHR063A04RS45HN06	S10
4122889	KSHR063A06RS45HN06	S10
4124262	KSHR125B16RS45HN06	S10
4124313	KSHR040A05RS45HN06	S10
4124324	UGDE0600A5ARA KC643M	P36
4124325	UGDE0600A5ARB KC643M	P36
4124326	UGDE0600A5ARC KC643M	P36
4124327	UGDE0600A5BRA KC643M	P37
4124328	UGDE0600A5BRB KC643M	P37
4124329	UGDE0600A5BRC KC643M	P37
4124330	UGDE0800A5ARA KC643M	P36
4124331	UGDE0800A5ARB KC643M	P36
4124332	UGDE0800A5ARC KC643M	P36
4124343	UGDE0800A5BRA KC643M	P37
4124344	UGDE0800A5BRB KC643M	P37
4124345	UGDE0800A5BRC KC643M	P37
4124346	UGDE1000A5ARA KC643M	P36
4124347	UGDE1000A5ARB KC643M	P36
4124348	UGDE1000A5ARC KC643M	P36
4124349	UGDE1000A5ARD KC643M	P36
4124350	UGDE1000A5BRA KC643M	P37
4124351	UGDE1000A5BRB KC643M	P37
4124352	UGDE1000A5BRC KC643M	P37
4124353	UGDE1000A5BRD KC643M	P37
4124354	UGDE1200A5ARA KC643M	P36
4124355	UGDE1200A5ARB KC643M	P36
4124356	UGDE1200A5ARC KC643M	P36
4124357	UGDE1200A5ARD KC643M	P36
4124358	UGDE1200A5BRA KC643M	P37
4124359	UGDE1200A5BRB KC643M	P37
4124360	UGDE1200A5BRC KC643M	P37
4124361	UGDE1200A5BRD KC643M	P37
4124362	UGDE1600A5ARA KC643M	P36
4124363	UGDE1600A5ARB KC643M	P36
4124364	UGDE1600A5ARC KC643M	P36
4124365	UGDE1600A5ARD KC643M	P36
4124366	UGDE1600A5ARE KC643M	P36
4124367	UGDE1600A5BRA KC643M	P37
4124368	UGDE1600A5BRB KC643M	P37
4124369	UGDE1600A5BRC KC643M	P37
4124370	UGDE1600A5BRD KC643M	P37
4124371	UGDE1600A5BRE KC643M	P37
4124372	UGDE2000A5ARA KC643M	P36
4124373	UGDE2000A5ARB KC643M	P36
4124374	UGDE2000A5ARC KC643M	P36
4124375	UGDE2000A5ARD KC643M	P36
4124376	UGDE2000A5ARE KC643M	P36
4124377	UGDE2000A5BRA KC643M	P37
4124378	UGDE2000A5BRB KC643M	P37
4124379	UGDE2000A5BRC KC643M	P37
4124380	UGDE2000A5BRD KC643M	P37
4124381	UGDE2000A5BRE KC643M	P37
4124382	UGDE2500A5ARA KC643M	P36
4124383	UGDE2500A5ARB KC643M	P36
4124384	UGDE2500A5ARC KC643M	P36
4124385	UGDE2500A5ARD KC643M	P36
4124386	UGDE2500A5ARE KC643M	P36
4124387	UGDE2500A5BRA KC643M	P37
4124388	UGDE2500A5BRB KC643M	P37
4124389	UGDE2500A5BRC KC643M	P37
4124390	UGDE2500A5BRD KC643M	P37
4124391	UGDE2500A5BRE KC643M	P37
4124962	B051A02000CPG KC7325	G18
4125849	A4G0505M05U04GMN KCP10	C96
4125882	KSHR025D03M16HN06	S8
4126343	KSHR032D03M16HN06	S8
4126344	KSHR032D04M16HN06	S8
4126348	KSHR025D03B20HN06	S8
4126349	KSHR032D03B25HN06	S8
4126350	KSHR032D04B25HN06	S8
4126351	KSHR025D02A20HN06L120	S9
4126352	KSHR025D03A20HN06L120	S9
4126383	KSHR032D03A25HN06L130	S9
4126384	KSHR032D04A25HN06L130	S9
4126386	KSHR025D03A25HN06L200	S9
4126387	KSHR040A04RS45HN06	S10
4126388	KSHR050A04RS45HN06	S10
4126389	KSHR050A06RS45HN06	S10
4126390	KSHR063A08RS45HN06	S10
4126391	KSHR080A05RS45HN06	S10
4126392	KSHR080A08RS45HN06	S10
4126403	KSHR080A10RS45HN06	S10
4126404	KSHR100B06RS45HN06	S10
4126405	KSHR100B09RS45HN06	S10
4126406	KSHR100B12RS45HN06	S10
4126407	KSHR125B08RS45HN06	S10
4126408	KSHR125B12RS45HN06	S10
4129398	RCGX120700E KYS25	B333
4129399	RCGX120700T01020 KYS25	B333
4129400	RPGX090700E KYS25	B334
4129402	RPGX120700E KYS25	B334
4129443	KTIP080R1SS10M	H31
4129444	KTIP085R1SS10M	H31
4129445	KTIP090R1SS10M	H31
4129446	KTIP095R1SS10M	H31
4129447	KTIP100R1SS12M	H31
4129448	KTIP105R1SS12M	H31
4129449	KTIP110R1SS12M	H31
4129450	KTIP115R1SS12M	H31
4129451	KTIP120R1SS14M	H31
4129452	KTIP125R1SS14M	H31
4129453	KTIP130R1SS14M	H31
4129454	KTIP135R1SS14M	H31
4129455	KTIP140R1SS16M	H31
4129456	KTIP145R1SS16M	H31
4129457	KTIP150R1SS16M	H31
4129458	KTIP160R1SS18M	H31
4129459	KTIP170R1SS18M	H31
4129460	KTIP180R1SS20M	H31
4129461	KTIP190R1SS20M	H31
4129462	KTIP200R1SS25M	H31
4129463	KTIP210R1SS25M	H31
4129464	KTIP220R1SS25M	H31
4129465	KTIP230R1SS25M	H31
4129466	KTIP240R1SS25M	H31
4129467	KTIP250R1SS32M	H31
4129468	KTIP260R1SS32M	H31
4129469	KTIP270R1SS32M	H31
4129470	KTIP080R1SCF12M	H32
4129471	KTIP085R1SCF12M	H32
4129472	KTIP090R1SCF12M	H32
4129483	KTIP095R1SCF12M	H32
4129484	KTIP100R1SCF16M	H32
4129485	KTIP105R1SCF16M	H32
4129486	KTIP110R1SCF16M	H32
4129487	KTIP115R1SCF16M	H32
4129488	KTIP120R1SCF16M	H32
4129489	KTIP125R1SCF16M	H32
4129490	KTIP130R1SCF16M	H32
4129491	KTIP135R1SCF16M	H32
4129492	KTIP140R1SCF16M	H32
4129493	KTIP145R1SCF16M	H32
4129494	KTIP150R1SCF20M	H32
4129495	KTIP160R1SCF20M	H32
4129496	KTIP170R1SCF20M	H32
4129497	KTIP180R1SCF25M	H32
4129498	KTIP190R1SCF25M	H32
4129499	KTIP200R1SCF25M	H32
4129500	KTIP210R1SCF25M	H32
4129501	KTIP220R1SCF25M	H32
4129502	KTIP230R1SCF25M	H32
4129503	KTIP240R1SCF25M	H32
4129504	KTIP250R1SCF25M	H32
4129505	KTIP260R1SCF25M	H32
4129506	KTIP270R1SCF25M	H32
4129542	CNGN120416T01020 KYS25	B332
4129546	SNGN120416T01020 KYS25	B335
4129549	SNGN190616E KYS25	B335
4129552	TNGN220412T01020 KYS25	B336
4129553	TNGN220416T01020 KYS25	B336
4129554	CNGA120408E KYS25	B332
4129555	CNGA120408T01020 KYS25	B332
4129557	CNGA120412T01020 KYS25	B332
4129562	SNGA120412T01020 KYS25	B335
4129563	RCGX060400E KYS25	B333
4129567	CNGN120712T01020 KYS25	B332
4129568	CNGX120708T01020 KYS25	B332
4129569	CNGX120712T01020 KYS25	B332
4129570	DNGX150708T01020 KYS25	B333
4129571	DNGX150712T01020 KYS25	B333
4129576	RNGN120700T01025 KYS25	B334
4129577	RCGX120700T01025 KYS25	B333
4129656	MEGA90D125B06LN22	S122
4129657	MEGA90D160C07LN22	S122
4129658	MEGA90D200C07LN22	S122
4129659	MEGA90D200C09LN22	S122
4129660	MEGA90D250C09LN22	S122
4129661	MEGA90D250C11LN22	S122
4129662	MEGA90D315C10LN22	S122
4129664	MEGA90D315C13LN22	S122
4130392	RCGX090700E KYS25	B333
4130423	RCGX090700T01020 KYS25	B333
4132602	1.18025R110	E15
4132633	1.78025L100	E18
4132634	1.78025R100	E18
4132877	B977A06150 KC7315	G139
4133732	RNGN120700T01025 KYS30	B334
4135418	LNPU221012PNSRHD KCPK30	S121, S123
4135419	LNPU221012PNSRHD KCK15	S121, S123
4135420	LNPU221012PNSRHD KC725M	S121, S123
4135435	HNPJ130720ANSNGD KC520M	S26
4135438	HNPJ130735ANSNHD KC520M	S27
4135574	TM711M030X050R2DHA KCU33	M85
4135575	TM711M040X070R2DHA KCU33	M85

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4135576	TM711M050X080R2DHA KCU33	M85
4135577	TM711M060X100R2DHA KCU33	M85
4135578	TM711M080X125R2DHA KCU33	M85
4135579	TM711M100X150R2DHA KCU33	M85
4135580	TM711M120X175R2DHA KCU33	M85
4135581	TM711M140X200R2DHA KCU33	M85
4135582	TM711M160X200R2DHA KCU33	M85
4135663	TM711M180X250R2DHA KCU33	M85
4135664	TM711M200X250R2DHA KCU33	M85
4135665	TM711MF040X050R2DHA KCU33	M85
4135666	TM711MF050X050R2DHA KCU33	M85
4135667	TM711MF060X075R2DHA KCU33	M85
4135668	TM711MF080X075R2DHA KCU33	M85
4135669	TM711MF080X100R2DHA KCU33	M85
4135670	TM711MF100X100R2DHA KCU33	M85
4135671	TM711MF120X100R2DHA KCU33	M85
4135672	TM711MF120X150R2DHA KCU33	M85
4135673	TM711MF140X150R2DHA KCU33	M85
4135674	TM711MF160X150R2DHA KCU33	M85
4135675	TM711MF180X150R2DHA KCU33	M85
4135676	TM711MF200X150R2DHA KCU33	M85
4135763	TM721M060X100R2DHA KCU32	M87
4135764	TM721M080X125R2DHA KCU32	M87
4135765	TM721M100X150R2DHA KCU32	M87
4135766	TM721M120X175R2DHA KCU32	M87
4135767	TM721M140X200R2DHA KCU32	M87
4135768	TM721M160X200R2DHA KCU32	M87
4135770	TM721MF080X100R2DHA KCU32	M87
4135774	TM721MF120X125R2DHA KCU32	M87
4135776	TM721MF140X150R2DHA KCU32	M87
4135778	TM721NC2500-20R2DHA KCU32	M86
4135779	TM721NC3125-18R2DHA KCU32	M86
4135780	TM721NC3750-16R2DHA KCU32	M86
4135781	TM721NC4375-14R2DHA KCU32	M86
4135782	TM721NC0500-13R2DHA KCU32	M86
4135783	TM721NC5625-12R2DHA KCU32	M86
4135784	TM721NC0625-11R2DHA KCU32	M86
4135823	TM731M040X070R2DHA KCU32	M88
4135824	TM731M050X080R2DHA KCU32	M88
4135825	TM731M060X100R2DHA KCU32	M88
4135826	TM731M080X125R2DHA KCU32	M88
4135827	TM731M100X150R2DHA KCU32	M88
4135828	TM731M120X175R2DHA KCU32	M88
4135830	TM731M160X200R2DHA KCU32	M88
4135832	TM731MF080X100R2DHA KCU32	M88
4136208	B269A03000HP KCPK15	G68
4136209	B269A08500HP KCPK15	G69
4136210	B269A14000HP KCPK15	G70
4137020	A4G0305M03U02GMN KCP25	C96
4137022	A4G0405M04U04GMN KCP25	C96
4137043	A4G0405M04U08GMN KCP25	C96
4137044	A4G0505M05U04GMN KCP25	C96
4137045	A4G0505M05U08GMN KCP25	C96
4137047	A4G0805M08U08GMN KCP25	C96
4137052	A4G0805M08U12GMN KCP25	C96
4137281	CCNC1000A4AH KCN05	P130
4137282	CCNC1000A4BH KCN05	P130
4137443	CCNC1200A4AH KCN05	P130
4137444	CCNC1200A4BH KCN05	P130
4137452	CCNC0600A3AH KCN05	P130
4137453	CCNC0600A3BH KCN05	P130
4137475	CBDB0600AXAS KCN05	P132
4137476	CBDB0600AXBS KCN05	P132
4137477	CBDB1000AXAS KCN05	P132
4137478	CBDB1000AXBS KCN05	P132
4137479	CBDB1200AXAS KCN05	P132
4137480	CBDB1200AXBS KCN05	P132
4137735	CDDC0600A6AH KCN05	P131
4137736	CDDC0600A6BH KCN05	P131
4137737	CDDC1000A6AH KCN05	P131
4137738	CDDC1000A6BH KCN05	P131
4137739	CDDC1200A6AH KCN05	P131
4137740	CDDC1200A6BH KCN05	P131
4138292	TM741M060X100R2DHA KCU36	M90
4138344	TM741M080X125R2DHA KCU36	M90
4138346	TM741M100X150R2DHA KCU36	M90
4138348	TM741MF120X150R2DHA KCU36	M90
4138349	TM741M120X175R2DHA KCU36	M90
4138350	TM741M140X200R2DHA KCU36	M90
4138351	TM741M160X200R2DHA KCU36	M90
4138352	TM741M180X250R2DHA KCU36	M90
4138353	TM741M200X250R2DHA KCU36	M90
4138354	TM741MF100X125R2DHA KCU36	M90
4138355	TM741MF080X100R2DHA KCU36	M90
4138357	TM741MF100X100R2DHA KCU36	M90
4138366	TM741NC2500-20R2DHA KCU36	M89
4138367	TM741NC3125-18R2DHA KCU36	M89
4138368	TM741NC3750-16R2DHA KCU36	M89
4138370	TM741NC0500-13R2DHA KCU36	M89
4138373	TM741NC0750-10R2DHA KCU36	M89
4138374	TM741NF2500-28R2DHA KCU36	M89
4138375	TM741NF3125-24R2DHA KCU36	M89
4138376	TM741NF3750-24R2DHA KCU36	M89
4138378	TM741NF0500-20R2DHA KCU36	M89
4138380	TM741NF0625-18R2DHA KCU36	M89
4138381	TM741NC0750-16R2DHA KCU36	M89
4139437	KSEM1760HPCCLM KC7410	H48
4140842	KSEM3920HPCCLM KC7410	H49
4141558	SSP8	S126
4142614	KSEM2210HPCCLM KC7410	H48
4146399	WNGA080408T01020 KYS30	B336
4146400	WNGA080416T01020 KYS30	B336
4146401	CNGA120408E KYS30	B332
4146402	CNGA120408T01020 KYS30	B332
4146424	CNGA120412T01020 KYS30	B332
4146427	DNGA150408T01020 KYS30	B333
4146428	DNGA150412T01020 KYS30	B333
4146429	SNGA120412T01020 KYS30	B335
4146436	CNGN120712T01020 KYS30	B332
4146437	CNGN120716T01020 KYS30	B332
4146438	RCGX120700T01025 KYS30	B333
4146440	RNGN120400T01020 KYS30	B334
4146442	RNGN120700T00525 KYS30	B334
4146443	RNGN120700T01020 KYS30	B334
4146445	RNGN190700T01020 KYS30	B334
4146446	SNGN120408T01020 KYS30	B335
4146447	SNGN120412T01020 KYS30	B335
4146448	SNGN120416T01020 KYS30	B335
4146451	SNGN120716T01020 KYS30	B335
4146453	SNGN190616T01020 KYS30	B335
4146454	SNGN190724E KYS30	B335
4146459	CNGX120708T01020 KYS30	B332
4146461	CNGX120712T01020 KYS30	B332
4146462	CNGX120716E KYS30	B332
4146464	DNGX150712T01020 KYS30	B333
4146465	DNGX150716T01020 KYS30	B333
4146466	SNGX120712T01020 KYS30	B335
4146467	SNGX120716T01020 KYS30	B335
4146468	RPGN090300E KYS30	B334, V155
4146469	RCGX060400E KYS30	B333
4146470	RCGX090700E KYS30	B333
4146471	RCGX090700T00525 KYS30	B333
4146472	RCGX090700T01020 KYS30	B333
4146473	RCGX120700E KYS30	B333
4146474	RCGX120700T01020 KYS30	B333
4146475	RPGX090700E KYS30	B334
4146476	RPGX090700T01020 KYS30	B334
4146477	RPGX120700E KYS30	B334
4146478	RPGX120700T01020 KYS30	B334
4146482	RNGJ1204M0FLDJ KC422M	V57
4146583	RNGJ1204M0ELD KCPK30	V57
4146584	RNGJ1204M0ELD KC522M	V57
4146585	RNGJ1204M0ELD KC725M	V57
4146586	RNGJ1204M0SGD KCPK30	V57
4146587	RNGJ1204M0SGD KC522M	V57
4146588	RNGJ1204M0SGD KC725M	V57
4147001	KDR32Z03M16RN12	V53
4147002	KDR35Z03M16RN12	V53
4147022	KSHR040A04RS60HN06	S14
4147033	KDR42Z04M16RN12	V53
4147035	KDR32Z03B32RN12	V54
4147037	KDR32Z03A32RN12L200	V55
4147038	KDR32Z02A32RN12L250	V55
4147039	KDR40Z04S16RN12	V56
4147040	KDR50Z04S22RN12	V56
4147041	KDR50Z05S22RN12	V56
4147042	KDR52Z05S22RN12	V56
4147043	KDR63Z05S22RN12	V56
4147044	KDR63Z07S22RN12	V56
4147045	KDR66Z07S27RN12	V56
4147046	KDR80Z06S27RN12	V56
4147047	KDR80Z08S27RN12	V56
4147048	KDR100Z07S32RN12	V56
4147049	KDR100Z09S32RN12	V56
4147458	MEGA60D125B06LN22	S120
4147459	MEGA60D160C07LN22	S120
4147460	MEGA60D200C07LN22	S120
4147461	MEGA60D200C09LN22	S120
4147462	MEGA60D250C09LN22	S120
4147474	RNGJ1204M0SHD KCPK30	V58
4147477	RNGJ1204M0SHD KC725M	V58
4147483	MEGA60D250C11LN22	S120
4147484	MEGA60D315C10LN22	S120
4147485	MEGA60D315C13LN22	S120
4147713	KSHR040A05RS60HN06	S14
4147714	KSHR050A04RS60HN06	S14
4147715	KSHR050A05RS60HN06	S14
4147716	KSHR063A04RS60HN06	S14
4147717	KSHR063A06RS60HN06	S14
4147718	KSHR080A05RS60HN06	S14
4147719	KSHR080A08RS60HN06	S14
4147720	KSHR100B06RS60HN06	S14
4147721	KSHR100B09RS60HN06	S14
4147722	KSHR125B08RS60HN06	S14
4147723	KSHR125B12RS60HN06	S14
4148475	B051A18000CPG KC7325	G22
4148476	B051A18100CPG KC7325	G22
4148477	B051A18200CPG KC7325	G22
4148478	B051A18258CPG KC7325	G22
4148479	B051A18300CPG KC7325	G22
4148480	B051A18400CPG KC7325	G23
4148481	B051A18500CPG KC7325	G23
4148482	B051A18600CPG KC7325	G23
4148583	B051A18654CPG KC7325	G23
4148584	B051A18700CPG KC7325	G23
4148585	B051A18800CPG KC7325	G23
4148586	B051A18900CPG KC7325	G23
4148587	B051A19000CPG KC7325	G23
4148588	B051A19050CPG KC7325	G23
4148589	B051A19100CPG KC7325	G23
4148590	B051A19200CPG KC7325	G23
4148591	B051A19300CPG KC7325	G23
4148592	B051A19400CPG KC7325	G23
4148593	B051A19500CPG KC7325	G23
4148594	B051A19600CPG KC7325	G23
4148595	B051A19700CPG KC7325	G23
4148596	B051A19800CPG KC7325	G23
4148597	B051A19900CPG KC7325	G23
4148598	B051A20000CPG KC7325	G23
4148804	B051A01500CPG KC7325	G18
4148805	B051A01600CPG KC7325	G18
4148806	B051A01700CPG KC7325	G18
4148807	B051A01800CPG KC7325	G18
4148808	B051A01900CPG KC7325	G18
4148809	B051A01984CPG KC7325	G18
4148810	B051A02100CPG KC7325	G18
4148811	B051A02200CPG KC7325	G18
4148812	B051A02300CPG KC7325	G18
4148839	B051F03000CPG KC7325	G24
4148840	B051F03100CPG KC7325	G24
4148841	B051F03200CPG KC7325	G24
4148842	B051F03300CPG KC7325	G24
4148843	B051A02383CPG KC7325	G18
4148844	B051A02400CPG KC7325	G18
4148845	B051A02439CPG KC7325	G18
4148846	B051A02489CPG KC7325	G18
4148847	B051A02500CPG KC7325	G18
4148848	B051A02578CPG KC7325	G18
4148849	B051A02600CPG KC7325	G18
4148850	B051A02642CPG KC7325	G18
4148851	B051A02700CPG KC7325	G18
4148852	B051A02705CPG KC7325	G18
4148853	B051A02779CPG KC7325	G18
4148854	B051A02800CPG KC7325	G18
4148855	B051A02820CPG KC7325	G18
4148856	B051A02870CPG KC7325	G18
4148857	B051A02900CPG KC7325	G18
4148858	B051A02947CPG KC7325	G19
4148872	B269A12500HP KCPK15	G70
4148913	B051F03400CPG KC7325	G24
4148914	B051F03500CPG KC7325	G24
4148915	B051F03600CPG KC7325	G24
4148916	B051F03700CPG KC7325	G24
4148917	B051F03800CPG KC7325	G24
4148918	B051F03900CPG KC7325	G24
4148919	B051F04000CPG KC7325	G24
4148920	B051F04100CPG KC7325	G24
4148921	B051F04200CPG KC7325	G24
4148922	B051F04300CPG KC7325	G24
4148923	B051F04400CPG KC7325	G24
4148924	B051F04500CPG KC7325	G24
4148925	B051F04600CPG KC7325	G24
4148926	B051F04700CPG KC7325	G24
4148927	B051F04800CPG KC7325	G24
4148928	B051F04900CPG KC7325	G24
4148929	B051F05000CPG KC7325	G24
4148930	B051F05100CPG KC7325	G24
4148931	B051F05200CPG KC7325	G24
4148932	B051F05300CPG KC7325	G24
4148933	B051F05400CPG KC7325	G24
4148934	B051F05500CPG KC7325	G24
4148935	B051F05600CPG KC7325	G24
4148936	B051F05700CPG KC7325	G24
4148937	B051F05800CPG KC7325	G24
4148938	B051F05900CPG KC7325	G24
4148939	B051F06000CPG KC7325	G24
4148940	B051F06100CPG KC7325	G24
4148941	B051F06200CPG KC7325	G25
4148942	B051F06300CPG KC7325	G25
4148943	B051F06400CPG KC7325	G25
4148944	B051F06500CPG KC7325	G25
4148945	B051F06600CPG KC7325	G25
4148946	B051F06700CPG KC7325	G25
4148947	B051F06800CPG KC7325	G25
4148948	B051F06900CPG KC7325	G25
4148949	B051F07000CPG KC7325	G25
4148950	B051F07100CPG KC7325	G25
4148951	B051F07200CPG KC7325	G25
4148952	B051F07300CPG KC7325	G25
4148953	B051F07400CPG KC7325	G25
4148954	B051F07500CPG KC7325	G25
4148955	B051F07600CPG KC7325	G25
4148956	B051F07700CPG KC7325	G25
4148957	B051F07800CPG KC7325	G25
4148958	B051F07900CPG KC7325	G25
4148959	B051F08000CPG KC7325	G25
4148960	B051F08100CPG KC7325	G25
4148961	B051F08200CPG KC7325	G25
4148962	B051F08300CPG KC7325	G25
4148963	B051F08400CPG KC7325	G25
4148964	B051F08500CPG KC7325	G25
4148965	B051F08600CPG KC7325	G25
4148966	B051F08700CPG KC7325	G25
4148967	B051F08800CPG KC7325	G25
4148968	B051F08900CPG KC7325	G25
4148969	B051F09000CPG KC7325	G25
4148970	B051F09100CPG KC7325	G25
4148971	B051F09200CPG KC7325	G25
4148972	B051F09300CPG KC7325	G25
4148973	B051F09400CPG KC7325	G25
4148974	B051F09500CPG KC7325	G25
4148975	B051F09600CPG KC7325	G25
4148976	B051F09700CPG KC7325	G25
4148977	B051F09800CPG KC7325	G25
4148978	B051F09900CPG KC7325	G25
4148995	B051F10000CPG KC7325	G25
4148996	B051F10100CPG KC7325	G25
4148997	B051F10200CPG KC7325	G25
4148998	B051F10300CPG KC7325	G25
4148999	B051F10400CPG KC7325	G25
4149000	B051F10500CPG KC7325	G25
4149001	B051F10600CPG KC7325	G25
4149002	B051F10700CPG KC7325	G25
4149013	B051F10800CPG KC7325	G25
4149014	B051F10900CPG KC7325	G25
4149015	B051F11000CPG KC7325	G25
4149016	B051F11100CPG KC7325	G25
4149017	B051F11200CPG KC7325	G25
4149018	B051F11300CPG KC7325	G25
4149019	B051F11400CPG KC7325	G26
4149020	B051F11500CPG KC7325	G26
4149021	B051F11600CPG KC7325	G26
4149022	B051F11700CPG KC7325	G26
4149023	B051F11800CPG KC7325	G26
4149024	B051F11900CPG KC7325	G26
4149025	B051F12000CPG KC7325	G26
4149026	B051F12100CPG KC7325	G26
4149027	B051F12200CPG KC7325	G26

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4149028	B051F12300CPG KC7325	G26
4149029	B051F12400CPG KC7325	G26
4149030	B051F12500CPG KC7325	G26
4149031	B051F12600CPG KC7325	G26
4149032	B051F12700CPG KC7325	G26
4149033	B051F12800CPG KC7325	G26
4149034	B051F12900CPG KC7325	G26
4149035	B051F13000CPG KC7325	G26
4149036	B051F13100CPG KC7325	G26
4149037	B051F13200CPG KC7325	G26
4149038	B051F13300CPG KC7325	G26
4149039	B051F13400CPG KC7325	G26
4149040	B051F13500CPG KC7325	G26
4149041	B051F13600CPG KC7325	G26
4149042	B051F13700CPG KC7325	G26
4149043	B051F13800CPG KC7325	G26
4149044	B051F13900CPG KC7325	G26
4149045	B051F14000CPG KC7325	G26
4149046	B051F14100CPG KC7325	G26
4149047	B051F14200CPG KC7325	G26
4149048	B051F14300CPG KC7325	G26
4149049	B051F14400CPG KC7325	G26
4149050	B051F14500CPG KC7325	G26
4149051	B051F14600CPG KC7325	G26
4149052	B051F14700CPG KC7325	G26
4149053	B051F14800CPG KC7325	G26
4149054	B051F14900CPG KC7325	G26
4149055	B051F15000CPG KC7325	G26
4149056	B051F15100CPG KC7325	G26
4149057	B051F15200CPG KC7325	G26
4149058	B051F15300CPG KC7325	G26
4149059	B051F15400CPG KC7325	G26
4149060	B051F15500CPG KC7325	G26
4149061	B051F15600CPG KC7325	G26
4149062	B051F15700CPG KC7325	G26
4149063	B051F15800CPG KC7325	G26
4149064	B051F15900CPG KC7325	G26
4149065	B051F16000CPG KC7325	G26
4149066	B051F16100CPG KC7325	G26
4149067	B051F16200CPG KC7325	G26
4149068	B051F16300CPG KC7325	G26
4149069	B051F16400CPG KC7325	G26
4149070	B051F16500CPG KC7325	G26
4149071	B051F16600CPG KC7325	G27
4149072	B051F16700CPG KC7325	G27
4149073	B051F16800CPG KC7325	G27
4149074	B051F16900CPG KC7325	G27
4149075	B051F17000CPG KC7325	G27
4149076	B051F17100CPG KC7325	G27
4149077	B051F17200CPG KC7325	G27
4149078	B051F17300CPG KC7325	G27
4149079	B051F17400CPG KC7325	G27
4149080	B051F17500CPG KC7325	G27
4149081	B051F17600CPG KC7325	G27
4149082	B051F17700CPG KC7325	G27
4149083	B051F17800CPG KC7325	G27
4149084	B051F17900CPG KC7325	G27
4149085	B051F18000CPG KC7325	G27
4149086	B051F18100CPG KC7325	G27
4149087	B051F18200CPG KC7325	G27
4149088	B051F18300CPG KC7325	G27
4149089	B051F18400CPG KC7325	G27
4149090	B051F18500CPG KC7325	G27
4149091	B051F18600CPG KC7325	G27
4149092	B051F18700CPG KC7325	G27
4149093	B051F18800CPG KC7325	G27
4149094	B051F18900CPG KC7325	G27
4149095	B051F19000CPG KC7325	G27
4149096	B051F19100CPG KC7325	G27
4149097	B051F19200CPG KC7325	G27
4149098	B051F19300CPG KC7325	G27
4149099	B051F19400CPG KC7325	G27
4149100	B051F19500CPG KC7325	G27
4149101	B051F19600CPG KC7325	G27
4149102	B051F19700CPG KC7325	G27
4149103	B051F19800CPG KC7325	G27
4149104	B051F19900CPG KC7325	G27
4149105	B051F20000CPG KC7325	G27
4149110	B052A10000CPG KC7325	G21
4149111	B052A10100CPG KC7325	G21
4149112	B052A10200CPG KC7325	G21
4149125	B052A03000CPG KC7325	G19
4149126	B052A03048CPG KC7325	G19
4149128	B052A03100CPG KC7325	G19
4149129	B052A03175CPG KC7325	G19
4149130	B052A03200CPG KC7325	G19
4149131	B052A03264CPG KC7325	G19
4149132	B052A03400CPG KC7325	G19
4149143	B052A01500CPG KC7325	G18
4149144	B052A01600CPG KC7325	G18
4149145	B052A01700CPG KC7325	G18
4149146	B052A01800CPG KC7325	G18
4149147	B052A01900CPG KC7325	G18
4149148	B052A01984CPG KC7325	G18
4149149	B052A02000CPG KC7325	G18
4149150	B052A02100CPG KC7325	G18
4149151	B052A02200CPG KC7325	G18
4149152	B052A02300CPG KC7325	G18
4149153	B052A02383CPG KC7325	G18
4149154	B052A02400CPG KC7325	G18
4149155	B052A02439CPG KC7325	G18
4149156	B052A02489CPG KC7325	G18
4149157	B052A02500CPG KC7325	G18
4149158	B052A02578CPG KC7325	G18
4149159	B052A02600CPG KC7325	G18
4149160	B052A02642CPG KC7325	G18
4149161	B052A02700CPG KC7325	G18
4149162	B052A02705CPG KC7325	G18
4149163	B052A02779CPG KC7325	G18
4149164	B052A02800CPG KC7325	G18
4149165	B052A02820CPG KC7325	G18
4149166	B052A02870CPG KC7325	G18
4149167	B052A02900CPG KC7325	G18
4149168	B052A02947CPG KC7325	G19
4149178	B052A18000CPG KC7325	G22
4149179	B052A18100CPG KC7325	G22
4149180	B052A18200CPG KC7325	G22
4149181	B052A18258CPG KC7325	G22
4149182	B052A18300CPG KC7325	G22
4149183	B052A03455CPG KC7325	G19
4149184	B052A03500CPG KC7325	G19
4149185	B052A03571CPG KC7325	G19
4149186	B052A03600CPG KC7325	G19
4149187	B052A03658CPG KC7325	G19
4149188	B052A03700CPG KC7325	G19
4149189	B052A03734CPG KC7325	G19
4149190	B052A03800CPG KC7325	G19
4149191	B052A03900CPG KC7325	G19
4149192	B052A03970CPG KC7325	G19
4149193	B052A04000CPG KC7325	G19
4149194	B052A04039CPG KC7325	G19
4149195	B052A04090CPG KC7325	G19
4149196	B052A04100CPG KC7325	G19
4149197	B052A04200CPG KC7325	G19
4149198	B052A04217CPG KC7325	G19
4149199	B052A04300CPG KC7325	G19
4149200	B052A04366CPG KC7325	G19
4149201	B052A04400CPG KC7325	G19
4149202	B052A04500CPG KC7325	G19
4149203	B052A04600CPG KC7325	G19
4149204	B052A04623CPG KC7325	G19
4149205	B052A04700CPG KC7325	G19
4149206	B052A04763CPG KC7325	G19
4149207	B052A04800CPG KC7325	G19
4149208	B052A04852CPG KC7325	G19
4149209	B052A04900CPG KC7325	G19
4149210	B052A05000CPG KC7325	G19
4149211	B052A05100CPG KC7325	G19
4149212	B052A05106CPG KC7325	G19
4149213	B052A05159CPG KC7325	G19
4149214	B052A05200CPG KC7325	G19
4149215	B052A05300CPG KC7325	G19
4149216	B052A05400CPG KC7325	G19
4149217	B052A05410CPG KC7325	G19
4149218	B052A05500CPG KC7325	G19
4149219	B052A05558CPG KC7325	G19
4149220	B052A05600CPG KC7325	G19
4149221	B052A05616CPG KC7325	G19
4149222	B052A05700CPG KC7325	G19
4149223	B052A05800CPG KC7325	G19
4149224	B052A05900CPG KC7325	G19
4149225	B052A05954CPG KC7325	G19
4149226	B052A06000CPG KC7325	G20
4149227	B052A06100CPG KC7325	G20
4149228	B052A06200CPG KC7325	G20
4149229	B052A06300CPG KC7325	G20
4149230	B052A06350CPG KC7325	G20
4149231	B052A06400CPG KC7325	G20
4149232	B052A06500CPG KC7325	G20
4149233	B052A06528CPG KC7325	G20
4149234	B052A06600CPG KC7325	G20
4149235	B052A06630CPG KC7325	G20
4149236	B052A06700CPG KC7325	G20
4149237	B052A06746CPG KC7325	G20
4149238	B052A06800CPG KC7325	G20
4149239	B052A06900CPG KC7325	G20
4149240	B052A07000CPG KC7325	G20
4149241	B052A07100CPG KC7325	G20
4149242	B052A07145CPG KC7325	G20
4149243	B052A07200CPG KC7325	G20
4149244	B052A07300CPG KC7325	G20
4149245	B052A07400CPG KC7325	G20
4149246	B052A07500CPG KC7325	G20
4149247	B052A07541CPG KC7325	G20
4149248	B052A07600CPG KC7325	G20
4149249	B052A07700CPG KC7325	G20
4149250	B052A07800CPG KC7325	G20
4149251	B052A07900CPG KC7325	G20
4149252	B052A07938CPG KC7325	G20
4149253	B052A08000CPG KC7325	G20
4149254	B052A08100CPG KC7325	G20
4149255	B052A08200CPG KC7325	G20
4149256	B052A08300CPG KC7325	G20
4149257	B052A08334CPG KC7325	G20
4149258	B052A08400CPG KC7325	G20
4149259	B052A08433CPG KC7325	G20
4149260	B052A08500CPG KC7325	G20
4149261	B052A08600CPG KC7325	G20
4149262	B052A08700CPG KC7325	G20
4149263	B052A08733CPG KC7325	G20
4149264	B052A08800CPG KC7325	G20
4149265	B052A08900CPG KC7325	G20
4149266	B052A09000CPG KC7325	G20
4149267	B052A09100CPG KC7325	G20
4149268	B052A09129CPG KC7325	G20
4149269	B052A09200CPG KC7325	G20
4149270	B052A09300CPG KC7325	G20
4149271	B052A09347CPG KC7325	G20
4149272	B052A09400CPG KC7325	G20
4149273	B052A09500CPG KC7325	G20
4149274	B052A09525CPG KC7325	G20
4149275	B052A09600CPG KC7325	G20
4149276	B052A09700CPG KC7325	G20
4149277	B052A09800CPG KC7325	G20
4149278	B052A09900CPG KC7325	G21
4149279	B052A09921CPG KC7325	G21
4149293	B052A10300CPG KC7325	G21
4149294	B052A10320CPG KC7325	G21
4149295	B052A10400CPG KC7325	G21
4149296	B052A10500CPG KC7325	G21
4149297	B052A10600CPG KC7325	G21
4149298	B052A10700CPG KC7325	G21
4149299	B052A10716CPG KC7325	G21
4149300	B052A10800CPG KC7325	G21
4149301	B052A10900CPG KC7325	G21
4149302	B052A11000CPG KC7325	G21
4149303	B052A11100CPG KC7325	G21
4149304	B052A11113CPG KC7325	G21
4149305	B052A11200CPG KC7325	G21
4149306	B052A11300CPG KC7325	G21
4149307	B052A11400CPG KC7325	G21
4149308	B052A11500CPG KC7325	G21
4149309	B052A11509CPG KC7325	G21
4149310	B052A11600CPG KC7325	G21
4149311	B052A11700CPG KC7325	G21
4149312	B052A11800CPG KC7325	G21
4149313	B052A11900CPG KC7325	G21
4149314	B052A11908CPG KC7325	G21
4149315	B052A12000CPG KC7325	G21
4149316	B052A12100CPG KC7325	G21
4149317	B052A12200CPG KC7325	G21
4149318	B052A12300CPG KC7325	G21
4149319	B052A12304CPG KC7325	G21
4149320	B052A12400CPG KC7325	G21
4149321	B052A12500CPG KC7325	G21
4149322	B052A12600CPG KC7325	G21
4149323	B052A12700CPG KC7325	G21
4149324	B052A12800CPG KC7325	G21
4149325	B052A12900CPG KC7325	G21
4149326	B052A13000CPG KC7325	G21
4149327	B052A13096CPG KC7325	G21
4149328	B052A13100CPG KC7325	G21
4149329	B052A13200CPG KC7325	G21
4149330	B052A13300CPG KC7325	G21
4149331	B052A13400CPG KC7325	G21
4149332	B052A13500CPG KC7325	G21
4149333	B052A13600CPG KC7325	G21
4149334	B052A13700CPG KC7325	G21
4149335	B052A13800CPG KC7325	G21
4149336	B052A13891CPG KC7325	G21
4149337	B052A13900CPG KC7325	G21
4149338	B052A14000CPG KC7325	G21
4149339	B052A14100CPG KC7325	G21
4149340	B052A14200CPG KC7325	G22
4149341	B052A14288CPG KC7325	G22
4149342	B052A14300CPG KC7325	G22
4149343	B052A14400CPG KC7325	G22
4149344	B052A14500CPG KC7325	G22
4149345	B052A14600CPG KC7325	G22
4149346	B052A14684CPG KC7325	G22
4149347	B052A14700CPG KC7325	G22
4149348	B052A14800CPG KC7325	G22
4149349	B052A14900CPG KC7325	G22
4149350	B052A15000CPG KC7325	G22
4149351	B052A15083CPG KC7325	G22
4149352	B052A15100CPG KC7325	G22
4149353	B052A15200CPG KC7325	G22
4149354	B052A15300CPG KC7325	G22
4149355	B052A15400CPG KC7325	G22
4149356	B052A15479CPG KC7325	G22
4149357	B052A15500CPG KC7325	G22
4149358	B052A15600CPG KC7325	G22
4149359	B052A15700CPG KC7325	G22
4149360	B052A15800CPG KC7325	G22
4149361	B052A15875CPG KC7325	G22
4149362	B052A15900CPG KC7325	G22
4149363	B052A16000CPG KC7325	G22
4149364	B052A16100CPG KC7325	G22
4149365	B052A16200CPG KC7325	G22
4149366	B052A16271CPG KC7325	G22
4149367	B052A16300CPG KC7325	G22
4149368	B052A16400CPG KC7325	G22
4149369	B052A16500CPG KC7325	G22
4149370	B052A16600CPG KC7325	G22
4149371	B052A16670CPG KC7325	G22
4149372	B052A16700CPG KC7325	G22
4149373	B052A16800CPG KC7325	G22
4149374	B052A16900CPG KC7325	G22
4149375	B052A17000CPG KC7325	G22
4149376	B052A17100CPG KC7325	G22
4149377	B052A17200CPG KC7325	G22
4149378	B052A17300CPG KC7325	G22
4149379	B052A17400CPG KC7325	G22
4149380	B052A17463CPG KC7325	G22
4149381	B052A17500CPG KC7325	G22
4149382	B052A17600CPG KC7325	G22
4149383	B052A17700CPG KC7325	G22
4149384	B052A17800CPG KC7325	G22
4149385	B052A17859CPG KC7325	G22
4149386	B052A17900CPG KC7325	G22
4149390	B052F03000CPG KC7325	G24
4149391	B052F03100CPG KC7325	G24
4149392	B052F03200CPG KC7325	G24
4149403	B052A18400CPG KC7325	G23
4149404	B052A18500CPG KC7325	G23
4149405	B052A18600CPG KC7325	G23
4149406	B052A18654CPG KC7325	G23
4149407	B052A18700CPG KC7325	G23
4149408	B052A18800CPG KC7325	G23
4149409	B052A18900CPG KC7325	G23
4149410	B052A19000CPG KC7325	G23
4149411	B052A19050CPG KC7325	G23
4149412	B052A19100CPG KC7325	G23
4149413	B052A19200CPG KC7325	G23
4149414	B052A19300CPG KC7325	G23
4149415	B052A19400CPG KC7325	G23
4149416	B052A19500CPG KC7325	G23
4149417	B052A19600CPG KC7325	G23

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4149418	B052A19700CPG KC7325	G23
4149419	B052A19800CPG KC7325	G23
4149420	B052A19900CPG KC7325	G23
4149421	B052A20000CPG KC7325	G23
4149422	B052F10000CPG KC7325	G25
4149423	B052F03300CPG KC7325	G24
4149424	B052F03400CPG KC7325	G24
4149425	B052F03500CPG KC7325	G24
4149426	B052F03600CPG KC7325	G24
4149427	B052F03700CPG KC7325	G24
4149428	B052F03800CPG KC7325	G24
4149429	B052F03900CPG KC7325	G24
4149430	B052F04000CPG KC7325	G24
4149431	B052F04100CPG KC7325	G24
4149432	B052F04200CPG KC7325	G24
4149433	B052F04300CPG KC7325	G24
4149434	B052F04400CPG KC7325	G24
4149435	B052F04500CPG KC7325	G24
4149436	B052F04600CPG KC7325	G24
4149437	B052F04700CPG KC7325	G24
4149438	B052F04800CPG KC7325	G24
4149439	B052F04900CPG KC7325	G24
4149440	B052F05000CPG KC7325	G24
4149441	B052F05100CPG KC7325	G24
4149442	B052F05200CPG KC7325	G24
4149443	B052F05300CPG KC7325	G24
4149444	B052F05400CPG KC7325	G24
4149445	B052F05500CPG KC7325	G24
4149446	B052F05600CPG KC7325	G24
4149447	B052F05700CPG KC7325	G24
4149448	B052F05800CPG KC7325	G24
4149449	B052F05900CPG KC7325	G24
4149450	B052F06000CPG KC7325	G24
4149451	B052F06100CPG KC7325	G24
4149452	B052F06200CPG KC7325	G25
4149453	B052F06300CPG KC7325	G25
4149454	B052F06400CPG KC7325	G25
4149455	B052F06500CPG KC7325	G25
4149456	B052F06600CPG KC7325	G25
4149457	B052F06700CPG KC7325	G25
4149458	B052F06800CPG KC7325	G25
4149459	B052F06900CPG KC7325	G25
4149460	B052F07000CPG KC7325	G25
4149461	B052F07100CPG KC7325	G25
4149462	B052F07200CPG KC7325	G25
4149463	B052F07300CPG KC7325	G25
4149464	B052F07400CPG KC7325	G25
4149465	B052F07500CPG KC7325	G25
4149466	B052F07600CPG KC7325	G25
4149467	B052F07700CPG KC7325	G25
4149468	B052F07800CPG KC7325	G25
4149469	B052F07900CPG KC7325	G25
4149470	B052F08000CPG KC7325	G25
4149471	B052F08100CPG KC7325	G25
4149472	B052F08200CPG KC7325	G25
4149473	B052F08300CPG KC7325	G25
4149474	B052F08400CPG KC7325	G25
4149475	B052F08500CPG KC7325	G25
4149476	B052F08600CPG KC7325	G25
4149477	B052F08700CPG KC7325	G25
4149478	B052F08800CPG KC7325	G25
4149479	B052F08900CPG KC7325	G25
4149480	B052F09000CPG KC7325	G25
4149481	B052F09100CPG KC7325	G25
4149482	B052F09200CPG KC7325	G25
4149483	B052F09300CPG KC7325	G25
4149484	B052F09400CPG KC7325	G25
4149485	B052F09500CPG KC7325	G25
4149486	B052F09600CPG KC7325	G25
4149487	B052F09700CPG KC7325	G25
4149488	B052F09800CPG KC7325	G25
4149489	B052F09900CPG KC7325	G25
4149490	B053A03000CPG KC7325	G19
4149491	B053A03048CPG KC7325	G19
4149492	B053A03100CPG KC7325	G19
4149493	B052F10100CPG KC7325	G25
4149494	B052F10200CPG KC7325	G25
4149495	B052F10300CPG KC7325	G25
4149496	B052F10400CPG KC7325	G25
4149497	B052F10500CPG KC7325	G25
4149498	B052F10600CPG KC7325	G25
4149499	B052F10700CPG KC7325	G25
4149500	B052F10800CPG KC7325	G25
4149501	B052F10900CPG KC7325	G25
4149502	B052F11000CPG KC7325	G25
4149503	B052F11100CPG KC7325	G25
4149504	B052F11200CPG KC7325	G25
4149505	B052F11300CPG KC7325	G25
4149506	B052F11400CPG KC7325	G26
4149507	B052F11500CPG KC7325	G26
4149508	B052F11600CPG KC7325	G26
4149509	B052F11700CPG KC7325	G26
4149510	B052F11800CPG KC7325	G26
4149511	B052F11900CPG KC7325	G26
4149512	B052F12000CPG KC7325	G26
4149513	B052F12100CPG KC7325	G26
4149514	B052F12200CPG KC7325	G26
4149515	B052F12300CPG KC7325	G26
4149516	B052F12400CPG KC7325	G26
4149517	B052F12500CPG KC7325	G26
4149518	B052F12600CPG KC7325	G26
4149519	B052F12700CPG KC7325	G26
4149520	B052F12800CPG KC7325	G26
4149521	B052F12900CPG KC7325	G26
4149522	B052F13000CPG KC7325	G26
4149523	B052F13100CPG KC7325	G26
4149524	B052F13200CPG KC7325	G26
4149525	B052F13300CPG KC7325	G26
4149526	B052F13400CPG KC7325	G26
4149527	B052F13500CPG KC7325	G26
4149528	B052F13600CPG KC7325	G26
4149529	B052F13700CPG KC7325	G26
4149530	B052F13800CPG KC7325	G26
4149531	B052F13900CPG KC7325	G26
4149532	B052F14000CPG KC7325	G26
4149533	B052F14100CPG KC7325	G26
4149534	B052F14200CPG KC7325	G26
4149535	B052F14300CPG KC7325	G26
4149536	B052F14400CPG KC7325	G26
4149537	B052F14500CPG KC7325	G26
4149538	B052F14600CPG KC7325	G26
4149539	B052F14700CPG KC7325	G26
4149540	B052F14800CPG KC7325	G26
4149541	B052F14900CPG KC7325	G26
4149542	B052F15000CPG KC7325	G26
4149543	B052F15100CPG KC7325	G26
4149544	B052F15200CPG KC7325	G26
4149545	B052F15300CPG KC7325	G26
4149546	B052F15400CPG KC7325	G26
4149547	B052F15500CPG KC7325	G26
4149548	B052F15600CPG KC7325	G26
4149549	B052F15700CPG KC7325	G26
4149550	B052F15800CPG KC7325	G26
4149551	B052F15900CPG KC7325	G26
4149552	B052F16000CPG KC7325	G26
4149553	B052F16100CPG KC7325	G26
4149554	B052F16200CPG KC7325	G26
4149555	B052F16300CPG KC7325	G26
4149556	B052F16400CPG KC7325	G26
4149557	B052F16500CPG KC7325	G26
4149558	B052F16600CPG KC7325	G27
4149559	B052F16700CPG KC7325	G27
4149560	B052F16800CPG KC7325	G27
4149561	B052F16900CPG KC7325	G27
4149562	B052F17000CPG KC7325	G27
4149563	B052F17100CPG KC7325	G27
4149564	B052F17200CPG KC7325	G27
4149565	B052F17300CPG KC7325	G27
4149566	B052F17400CPG KC7325	G27
4149567	B052F17500CPG KC7325	G27
4149568	B052F17600CPG KC7325	G27
4149569	B052F17700CPG KC7325	G27
4149570	B052F17800CPG KC7325	G27
4149571	B052F17900CPG KC7325	G27
4149572	B052F18000CPG KC7325	G27
4149573	B052F18100CPG KC7325	G27
4149574	B052F18200CPG KC7325	G27
4149575	B052F18300CPG KC7325	G27
4149576	B052F18400CPG KC7325	G27
4149577	B052F18500CPG KC7325	G27
4149578	B052F18600CPG KC7325	G27
4149579	B052F18700CPG KC7325	G27
4149580	B052F18800CPG KC7325	G27
4149581	B052F18900CPG KC7325	G27
4149582	B052F19000CPG KC7325	G27
4149583	B052F19100CPG KC7325	G27
4149584	B052F19200CPG KC7325	G27
4149585	B052F19300CPG KC7325	G27
4149586	B052F19400CPG KC7325	G27
4149587	B052F19500CPG KC7325	G27
4149588	B052F19600CPG KC7325	G27
4149589	B052F19700CPG KC7325	G27
4149590	B052F19800CPG KC7325	G27
4149591	B052F19900CPG KC7325	G27
4149592	B052F20000CPG KC7325	G27
4149593	B053A03175CPG KC7325	G19
4149594	B053A03200CPG KC7325	G19
4149595	B053A03264CPG KC7325	G19
4149596	B053A03300CPG KC7325	G19
4149597	B053A03400CPG KC7325	G19
4149598	B053A03455CPG KC7325	G19
4149599	B053A03500CPG KC7325	G19
4149600	B053A03571CPG KC7325	G19
4149601	B053A03600CPG KC7325	G19
4149602	B053A03658CPG KC7325	G19
4149603	B053A03700CPG KC7325	G19
4149604	B053A03734CPG KC7325	G19
4149605	B053A03800CPG KC7325	G19
4149606	B053A03900CPG KC7325	G19
4149607	B053A03970CPG KC7325	G19
4149608	B053A04000CPG KC7325	G19
4149609	B053A04039CPG KC7325	G19
4149610	B053A04090CPG KC7325	G19
4149611	B053A04100CPG KC7325	G19
4149612	B053A04200CPG KC7325	G19
4149613	B053A04217CPG KC7325	G19
4149614	B053A04300CPG KC7325	G19
4149615	B053A04366CPG KC7325	G19
4149616	B053A04400CPG KC7325	G19
4149617	B053A04500CPG KC7325	G19
4149618	B053A04600CPG KC7325	G19
4149619	B053A04623CPG KC7325	G19
4149620	B053A04700CPG KC7325	G19
4149621	B053A04763CPG KC7325	G19
4149622	B053A04800CPG KC7325	G19
4149623	B053A04852CPG KC7325	G19
4149624	B053A04900CPG KC7325	G19
4149625	B053A05000CPG KC7325	G19
4149626	B053A05100CPG KC7325	G19
4149627	B053A05106CPG KC7325	G19
4149628	B053A05159CPG KC7325	G19
4149629	B053A05200CPG KC7325	G19
4149630	B053A05300CPG KC7325	G19
4149631	B053A05400CPG KC7325	G19
4149632	B053A05410CPG KC7325	G19
4149633	B053A05500CPG KC7325	G19
4149634	B053A05558CPG KC7325	G19
4149635	B053A05600CPG KC7325	G19
4149636	B053A05616CPG KC7325	G19
4149637	B053A05700CPG KC7325	G19
4149638	B053A05800CPG KC7325	G19
4149639	B053A05900CPG KC7325	G19
4149640	B053A05954CPG KC7325	G19
4149641	B053A06000CPG KC7325	G20
4149642	B053A06100CPG KC7325	G20
4149643	B053A06200CPG KC7325	G20
4149644	B053A06300CPG KC7325	G20
4149645	B053A06350CPG KC7325	G20
4149646	B053A06400CPG KC7325	G20
4149647	B053A06500CPG KC7325	G20
4149648	B053A06528CPG KC7325	G20
4149649	B053A06600CPG KC7325	G20
4149650	B053A06630CPG KC7325	G20
4149651	B053A06700CPG KC7325	G20
4149652	B053A06746CPG KC7325	G20
4149653	B053A06800CPG KC7325	G20
4149654	B053A06900CPG KC7325	G20
4149655	B053A07000CPG KC7325	G20
4149656	B053A07100CPG KC7325	G20
4149657	B053A07145CPG KC7325	G20
4149658	B053A07200CPG KC7325	G20
4149659	B053A07300CPG KC7325	G20
4149660	B053A07400CPG KC7325	G20
4149661	B053A07500CPG KC7325	G20
4149662	B053A07541CPG KC7325	G20
4149663	B053A07600CPG KC7325	G20
4149664	B053A07700CPG KC7325	G20
4149665	B053A07800CPG KC7325	G20
4149666	B053A07900CPG KC7325	G20
4149667	B053A07938CPG KC7325	G20
4149668	B053A08000CPG KC7325	G20
4149669	B053A08100CPG KC7325	G20
4149670	B053A08200CPG KC7325	G20
4149671	B053A08300CPG KC7325	G20
4149672	B053A08334CPG KC7325	G20
4149673	B053A08400CPG KC7325	G20
4149674	B053A08433CPG KC7325	G20
4149675	B053A08500CPG KC7325	G20
4149676	B053A08600CPG KC7325	G20
4149677	B053A08700CPG KC7325	G20
4149678	B053A08733CPG KC7325	G20
4149679	B053A08800CPG KC7325	G20
4149680	B053A08900CPG KC7325	G20
4149681	B053A09000CPG KC7325	G20
4149682	B053A09100CPG KC7325	G20
4149683	B053A09129CPG KC7325	G20
4149684	B053A09200CPG KC7325	G20
4149685	B053A09300CPG KC7325	G20
4149686	B053A09347CPG KC7325	G20
4149687	B053A09400CPG KC7325	G20
4149688	B053A09500CPG KC7325	G20
4149689	B053A09525CPG KC7325	G20
4149690	B053A09600CPG KC7325	G20
4149691	B053A09700CPG KC7325	G20
4149692	B053A09800CPG KC7325	G20
4149693	B053A09900CPG KC7325	G21
4149694	B053A09921CPG KC7325	G21
4149733	B053A10000CPG KC7325	G21
4149734	B053A10100CPG KC7325	G21
4149735	B053A10200CPG KC7325	G21
4149736	B053A10300CPG KC7325	G21
4149737	B053A10320CPG KC7325	G21
4149738	B053A10400CPG KC7325	G21
4149739	B053A10500CPG KC7325	G21
4149740	B053A10600CPG KC7325	G21
4149741	B053A10700CPG KC7325	G21
4149742	B053A10716CPG KC7325	G21
4149743	B053A10800CPG KC7325	G21
4149744	B053A10900CPG KC7325	G21
4149745	B053A11000CPG KC7325	G21
4149746	B053A11100CPG KC7325	G21
4149747	B053A11113CPG KC7325	G21
4149748	B053A11200CPG KC7325	G21
4149749	B053A11300CPG KC7325	G21
4149750	B053A11400CPG KC7325	G21
4149751	B053A11500CPG KC7325	G21
4149752	B053A11509CPG KC7325	G21
4149753	B053A11600CPG KC7325	G21
4149754	B053A11700CPG KC7325	G21
4149755	B053A11800CPG KC7325	G21
4149756	B053A11900CPG KC7325	G21
4149757	B053A11908CPG KC7325	G21
4149758	B053A12000CPG KC7325	G21
4149759	B053A12100CPG KC7325	G21
4149760	B053A12200CPG KC7325	G21
4149761	B053A12300CPG KC7325	G21
4149762	B053A12304CPG KC7325	G21
4149763	B053A12400CPG KC7325	G21
4149764	B053A12500CPG KC7325	G21
4149765	B053A12600CPG KC7325	G21
4149766	B053A12700CPG KC7325	G21
4149767	B053A12800CPG KC7325	G21
4149768	B053A12900CPG KC7325	G21
4149769	B053A13000CPG KC7325	G21
4149770	B053A13096CPG KC7325	G21
4149771	B053A13100CPG KC7325	G21
4149772	B053A13200CPG KC7325	G21
4149773	B053A13300CPG KC7325	G21
4149774	B053A13400CPG KC7325	G21
4149775	B053A13500CPG KC7325	G21
4149776	B053A13600CPG KC7325	G21
4149777	B053A13700CPG KC7325	G21
4149778	B053A13800CPG KC7325	G21
4149779	B053A13891CPG KC7325	G21
4149780	B053A13900CPG KC7325	G21
4149781	B053A14000CPG KC7325	G21
4149782	B053A14100CPG KC7325	G21
4149783	B053A14200CPG KC7325	G22

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4149784	B053A14288CPG KC7325	G22
4149785	B053A14300CPG KC7325	G22
4149786	B053A14400CPG KC7325	G22
4149787	B053A14500CPG KC7325	G22
4149788	B053A14600CPG KC7325	G22
4149789	B053A14684CPG KC7325	G22
4149790	B053A14700CPG KC7325	G22
4149791	B053A14800CPG KC7325	G22
4149792	B053A14900CPG KC7325	G22
4149793	B053A15000CPG KC7325	G22
4149794	B053A15083CPG KC7325	G22
4149795	B053A15100CPG KC7325	G22
4149796	B053A15200CPG KC7325	G22
4149797	B053A15300CPG KC7325	G22
4149798	B053A15400CPG KC7325	G22
4149799	B053A15479CPG KC7325	G22
4149800	B053A15500CPG KC7325	G22
4149801	B053A15600CPG KC7325	G22
4149802	B053A15700CPG KC7325	G22
4149803	B053A15800CPG KC7325	G22
4149804	B053A15875CPG KC7325	G22
4149805	B053A15900CPG KC7325	G22
4149806	B053A16000CPG KC7325	G22
4149807	B053A16100CPG KC7325	G22
4149808	B053A16200CPG KC7325	G22
4149809	B053A16271CPG KC7325	G22
4149810	B053A16300CPG KC7325	G22
4149811	B053A16400CPG KC7325	G22
4149812	B053A16500CPG KC7325	G22
4149813	B053A16600CPG KC7325	G22
4149814	B053A16670CPG KC7325	G22
4149815	B053A16700CPG KC7325	G22
4149816	B053A16800CPG KC7325	G22
4149817	B053A16900CPG KC7325	G22
4149818	B053A17000CPG KC7325	G22
4149819	B053A17100CPG KC7325	G22
4149820	B053A17200CPG KC7325	G22
4149821	B053A17300CPG KC7325	G22
4149822	B053A17400CPG KC7325	G22
4149823	B053A17463CPG KC7325	G22
4149824	B053A17500CPG KC7325	G22
4149825	B053A17600CPG KC7325	G22
4149826	B053A17700CPG KC7325	G22
4149827	B053A17800CPG KC7325	G22
4149828	B053A17859CPG KC7325	G22
4149829	B053A17900CPG KC7325	G22
4149855	B053A18000CPG KC7325	G22
4149856	B053A18100CPG KC7325	G22
4149857	B053A18200CPG KC7325	G22
4149858	B053A18258CPG KC7325	G22
4149859	B053A18300CPG KC7325	G22
4149860	B053A18400CPG KC7325	G23
4149861	B053A18500CPG KC7325	G23
4149862	B053A18600CPG KC7325	G23
4149863	B053A18654CPG KC7325	G23
4149864	B053A18700CPG KC7325	G23
4149865	B053A18800CPG KC7325	G23
4149866	B053A18900CPG KC7325	G23
4149867	B053A19000CPG KC7325	G23
4149868	B053A19050CPG KC7325	G23
4149869	B053A19100CPG KC7325	G23
4149870	B053A19200CPG KC7325	G23
4149871	B053A19300CPG KC7325	G23
4149872	B053A19400CPG KC7325	G23
4149873	B053A19500CPG KC7325	G23
4149874	B053A19600CPG KC7325	G23
4149875	B053A19700CPG KC7325	G23
4149876	B053A19800CPG KC7325	G23
4149877	B053A19900CPG KC7325	G23
4149878	B053A20000CPG KC7325	G23
4150155	B041A03000CPG KC7325	G9
4150156	B041A03048CPG KC7325	G9
4150157	B041A03100CPG KC7325	G9
4150158	B041A03175CPG KC7325	G9
4150159	B041A03200CPG KC7325	G9
4150160	B041A03264CPG KC7325	G9
4150161	B041A03300CPG KC7325	G9
4150162	B041A03400CPG KC7325	G9
4150176	B041A10000CPG KC7325	G11
4150177	B041A10100CPG KC7325	G11
4150178	B041A10200CPG KC7325	G11
4150179	B041A10300CPG KC7325	G11
4150180	B041A10320CPG KC7325	G11
4150181	B041A10400CPG KC7325	G11
4150182	B041A10500CPG KC7325	G11
4150183	B041A03455CPG KC7325	G9
4150184	B041A03500CPG KC7325	G9
4150185	B041A03571CPG KC7325	G9
4150186	B041A03600CPG KC7325	G9
4150187	B041A03658CPG KC7325	G9
4150188	B041A03700CPG KC7325	G9
4150189	B041A03734CPG KC7325	G9
4150190	B041A03800CPG KC7325	G9
4150191	B041A03900CPG KC7325	G9
4150192	B041A03970CPG KC7325	G9
4150193	B041A04000CPG KC7325	G9
4150194	B041A04039CPG KC7325	G9
4150195	B041A04090CPG KC7325	G9
4150196	B041A04100CPG KC7325	G9
4150197	B041A04200CPG KC7325	G9
4150198	B041A04217CPG KC7325	G9
4150199	B041A04300CPG KC7325	G9
4150200	B041A04366CPG KC7325	G9
4150201	B041A04400CPG KC7325	G9
4150202	B041A04500CPG KC7325	G9
4150203	B041A04600CPG KC7325	G9
4150204	B041A04623CPG KC7325	G9
4150205	B041A04700CPG KC7325	G9
4150206	B041A04763CPG KC7325	G9
4150207	B041A04800CPG KC7325	G9
4150208	B041A04852CPG KC7325	G9
4150209	B041A04900CPG KC7325	G9
4150210	B041A05000CPG KC7325	G9
4150211	B041A05100CPG KC7325	G9
4150212	B041A05106CPG KC7325	G9
4150213	B041A05159CPG KC7325	G9
4150214	B041A05200CPG KC7325	G9
4150215	B041A05300CPG KC7325	G9
4150216	B041A05400CPG KC7325	G9
4150217	B041A05410CPG KC7325	G9
4150218	B041A05500CPG KC7325	G9
4150219	B041A05558CPG KC7325	G9
4150220	B041A05600CPG KC7325	G10
4150221	B041A05616CPG KC7325	G10
4150222	B041A05700CPG KC7325	G10
4150223	B041A05800CPG KC7325	G10
4150224	B041A05900CPG KC7325	G10
4150225	B041A05954CPG KC7325	G10
4150226	B041A06000CPG KC7325	G10
4150227	B041A06100CPG KC7325	G10
4150228	B041A06200CPG KC7325	G10
4150229	B041A06300CPG KC7325	G10
4150230	B041A06350CPG KC7325	G10
4150231	B041A06400CPG KC7325	G10
4150232	B041A06500CPG KC7325	G10
4150233	B041A06528CPG KC7325	G10
4150234	B041A06600CPG KC7325	G10
4150235	B041A06630CPG KC7325	G10
4150236	B041A06700CPG KC7325	G10
4150237	B041A06746CPG KC7325	G10
4150238	B041A06800CPG KC7325	G10
4150239	B041A06900CPG KC7325	G10
4150240	B041A07000CPG KC7325	G10
4150241	B041A07100CPG KC7325	G10
4150242	B041A07145CPG KC7325	G10
4150243	B041A07200CPG KC7325	G10
4150244	B041A07300CPG KC7325	G10
4150245	B041A07400CPG KC7325	G10
4150246	B041A07500CPG KC7325	G10
4150247	B041A07541CPG KC7325	G10
4150248	B041A07600CPG KC7325	G10
4150249	B041A07700CPG KC7325	G10
4150250	B041A07800CPG KC7325	G10
4150251	B041A07900CPG KC7325	G10
4150252	B041A07938CPG KC7325	G10
4150253	B041A08000CPG KC7325	G10
4150254	B041A08100CPG KC7325	G10
4150255	B041A08200CPG KC7325	G10
4150256	B041A08300CPG KC7325	G10
4150257	B041A08334CPG KC7325	G10
4150258	B041A08400CPG KC7325	G10
4150259	B041A08433CPG KC7325	G10
4150260	B041A08500CPG KC7325	G10
4150261	B041A08600CPG KC7325	G10
4150262	B041A08700CPG KC7325	G10
4150263	B041A08733CPG KC7325	G10
4150264	B041A08800CPG KC7325	G10
4150265	B041A08900CPG KC7325	G10
4150266	B041A09000CPG KC7325	G10
4150267	B041A09100CPG KC7325	G10
4150268	B041A09129CPG KC7325	G10
4150269	B041A09200CPG KC7325	G10
4150270	B041A09300CPG KC7325	G10
4150271	B041A09347CPG KC7325	G10
4150272	B041A09400CPG KC7325	G11
4150273	B041A09500CPG KC7325	G11
4150274	B041A09525CPG KC7325	G11
4150275	B041A09600CPG KC7325	G11
4150276	B041A09700CPG KC7325	G11
4150277	B041A09800CPG KC7325	G11
4150278	B041A09900CPG KC7325	G11
4150279	B041A09921CPG KC7325	G11
4150293	B041A10600CPG KC7325	G11
4150294	B041A10700CPG KC7325	G11
4150295	B041A10716CPG KC7325	G11
4150296	B041A10800CPG KC7325	G11
4150297	B041A10900CPG KC7325	G11
4150298	B041A11000CPG KC7325	G11
4150299	B041A11100CPG KC7325	G11
4150300	B041A11113CPG KC7325	G11
4150301	B041A11200CPG KC7325	G11
4150302	B041A11300CPG KC7325	G11
4150303	B041A11400CPG KC7325	G11
4150304	B041A11500CPG KC7325	G11
4150305	B041A11509CPG KC7325	G11
4150306	B041A11600CPG KC7325	G11
4150307	B041A11700CPG KC7325	G11
4150308	B041A11800CPG KC7325	G11
4150309	B041A11900CPG KC7325	G11
4150310	B041A11908CPG KC7325	G11
4150311	B041A12000CPG KC7325	G11
4150312	B041A12100CPG KC7325	G11
4150313	B041A12200CPG KC7325	G11
4150314	B041A12300CPG KC7325	G11
4150315	B041A12304CPG KC7325	G11
4150316	B041A12400CPG KC7325	G11
4150317	B041A12500CPG KC7325	G11
4150318	B041A12600CPG KC7325	G11
4150319	B041A12700CPG KC7325	G11
4150320	B041A12800CPG KC7325	G11
4150321	B041A12900CPG KC7325	G11
4150322	B041A13000CPG KC7325	G11
4150323	B041A13096CPG KC7325	G11
4150324	B041A13100CPG KC7325	G11
4150325	B041A13200CPG KC7325	G11
4150326	B041A13300CPG KC7325	G11
4150327	B041A13400CPG KC7325	G11
4150328	B041A13500CPG KC7325	G11
4150329	B041A13600CPG KC7325	G11
4150330	B041A13700CPG KC7325	G12
4150331	B041A13800CPG KC7325	G12
4150332	B041A13891CPG KC7325	G12
4150333	B041A13900CPG KC7325	G12
4150334	B041A14000CPG KC7325	G12
4150335	B041A14100CPG KC7325	G12
4150336	B041A14200CPG KC7325	G12
4150337	B041A14288CPG KC7325	G12
4150338	B041A14300CPG KC7325	G12
4150339	B041A14400CPG KC7325	G12
4150340	B041A14500CPG KC7325	G12
4150341	B041A14600CPG KC7325	G12
4150342	B041A14684CPG KC7325	G12
4150343	B041A14700CPG KC7325	G12
4150344	B041A14800CPG KC7325	G12
4150345	B041A14900CPG KC7325	G12
4150346	B041A15000CPG KC7325	G12
4150347	B041A15083CPG KC7325	G12
4150348	B041A15100CPG KC7325	G12
4150349	B041A15200CPG KC7325	G12
4150350	B041A15300CPG KC7325	G12
4150351	B041A15400CPG KC7325	G12
4150352	B041A15479CPG KC7325	G12
4150353	B041A15500CPG KC7325	G12
4150354	B041A15600CPG KC7325	G12
4150355	B041A15700CPG KC7325	G12
4150356	B041A15800CPG KC7325	G12
4150357	B041A15875CPG KC7325	G12
4150358	B041A15900CPG KC7325	G12
4150359	B041A16000CPG KC7325	G12
4150360	B041A16100CPG KC7325	G12
4150361	B041A16200CPG KC7325	G12
4150362	B041A16271CPG KC7325	G12
4150363	B041A16300CPG KC7325	G12
4150364	B041A16400CPG KC7325	G12
4150365	B041A16500CPG KC7325	G12
4150366	B041A16600CPG KC7325	G12
4150367	B041A16670CPG KC7325	G12
4150368	B041A16700CPG KC7325	G12
4150369	B041A16800CPG KC7325	G12
4150370	B041A16900CPG KC7325	G12
4150371	B041A17000CPG KC7325	G12
4150372	B041A17100CPG KC7325	G12
4150373	B041A17200CPG KC7325	G12
4150374	B041A17300CPG KC7325	G12
4150375	B041A17400CPG KC7325	G12
4150376	B041A17463CPG KC7325	G12
4150377	B041A17500CPG KC7325	G12
4150378	B041A17600CPG KC7325	G12
4150379	B041A17700CPG KC7325	G12
4150380	B041A17800CPG KC7325	G12
4150381	B041A17859CPG KC7325	G12
4150382	B041A17900CPG KC7325	G13
4150403	B041A18000CPG KC7325	G13
4150404	B041A18100CPG KC7325	G13
4150405	B041A18200CPG KC7325	G13
4150406	B041A18258CPG KC7325	G13
4150407	B041A18300CPG KC7325	G13
4150408	B041A18400CPG KC7325	G13
4150409	B041A18500CPG KC7325	G13
4150410	B041A18600CPG KC7325	G13
4150411	B041A18654CPG KC7325	G13
4150412	B041A18700CPG KC7325	G13
4150413	B041A18800CPG KC7325	G13
4150414	B041A18900CPG KC7325	G13
4150415	B041A19000CPG KC7325	G13
4150416	B041A19050CPG KC7325	G13
4150417	B041A19100CPG KC7325	G13
4150418	B041A19200CPG KC7325	G13
4150419	B041A19300CPG KC7325	G13
4150420	B041A19400CPG KC7325	G13
4150421	B041A19500CPG KC7325	G13
4150422	B041A19600CPG KC7325	G13
4150423	B041A19700CPG KC7325	G13
4150424	B041A19800CPG KC7325	G13
4150425	B041A19900CPG KC7325	G13
4150426	B041A20000CPG KC7325	G13
4150456	B051A10200CPG KC7325	G21
4150457	B051A10300CPG KC7325	G21
4150458	B051A10320CPG KC7325	G21
4150459	B051A10400CPG KC7325	G21
4150460	B051A10500CPG KC7325	G21
4150461	B051A10600CPG KC7325	G21
4150462	B051A10700CPG KC7325	G21
4150515	B041F03000CPG KC7325	G14
4150516	B041F03100CPG KC7325	G14
4150517	B041F03200CPG KC7325	G14
4150518	B041F03300CPG KC7325	G14
4150519	B041F03400CPG KC7325	G14
4150520	B041F03500CPG KC7325	G14
4150521	B041F03600CPG KC7325	G14
4150522	B041F03700CPG KC7325	G14
4150533	B041F03800CPG KC7325	G14
4150534	B041F03900CPG KC7325	G14
4150535	B041F04000CPG KC7325	G14
4150536	B041F04100CPG KC7325	G14
4150537	B041F04200CPG KC7325	G14
4150538	B041F04300CPG KC7325	G14
4150539	B041F04400CPG KC7325	G14
4150540	B041F04500CPG KC7325	G14
4150541	B041F04600CPG KC7325	G14
4150542	B041F04700CPG KC7325	G14
4150543	B041F04800CPG KC7325	G14
4150544	B041F04900CPG KC7325	G14
4150545	B041F05000CPG KC7325	G14
4150546	B041F05100CPG KC7325	G14
4150547	B041F05200CPG KC7325	G14
4150548	B041F05300CPG KC7325	G14
4150549	B041F05400CPG KC7325	G14

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4150550	B041F05500CPG KC7325	G14
4150551	B041F05600CPG KC7325	G14
4150552	B041F05700CPG KC7325	G14
4150553	B041F05800CPG KC7325	G14
4150554	B041F05900CPG KC7325	G14
4150555	B041F06000CPG KC7325	G14
4150556	B041F06100CPG KC7325	G14
4150557	B041F06200CPG KC7325	G14
4150558	B041F06300CPG KC7325	G14
4150559	B041F06400CPG KC7325	G14
4150560	B041F06500CPG KC7325	G14
4150561	B041F06600CPG KC7325	G15
4150562	B041F06700CPG KC7325	G15
4150563	B041F06800CPG KC7325	G15
4150564	B041F06900CPG KC7325	G15
4150565	B041F07000CPG KC7325	G15
4150566	B041F07100CPG KC7325	G15
4150567	B041F07200CPG KC7325	G15
4150568	B041F07300CPG KC7325	G15
4150569	B041F07400CPG KC7325	G15
4150570	B041F07500CPG KC7325	G15
4150571	B041F07600CPG KC7325	G15
4150572	B041F07700CPG KC7325	G15
4150573	B041F07800CPG KC7325	G15
4150574	B041F07900CPG KC7325	G15
4150575	B041F08000CPG KC7325	G15
4150576	B041F08100CPG KC7325	G15
4150577	B041F08200CPG KC7325	G15
4150578	B041F08300CPG KC7325	G15
4150579	B041F08400CPG KC7325	G15
4150580	B041F08500CPG KC7325	G15
4150581	B041F08600CPG KC7325	G15
4150582	B041F08700CPG KC7325	G15
4150583	B041F08800CPG KC7325	G15
4150584	B041F08900CPG KC7325	G15
4150585	B041F09000CPG KC7325	G15
4150586	B041F09100CPG KC7325	G15
4150587	B041F09200CPG KC7325	G15
4150588	B041F09300CPG KC7325	G15
4150589	B041F09400CPG KC7325	G15
4150590	B041F09500CPG KC7325	G15
4150591	B041F09600CPG KC7325	G15
4150592	B041F09700CPG KC7325	G15
4150593	B041F09800CPG KC7325	G15
4150594	B041F09900CPG KC7325	G15
4150602	B042A03000CPG KC7325	G9
4150617	B041F10000CPG KC7325	G15
4150618	B041F10100CPG KC7325	G15
4150619	B041F10200CPG KC7325	G15
4150620	B041F10300CPG KC7325	G15
4150621	B041F10400CPG KC7325	G15
4150622	B041F10500CPG KC7325	G15
4150633	B042A03048CPG KC7325	G9
4150634	B042A03100CPG KC7325	G9
4150635	B042A03175CPG KC7325	G9
4150636	B042A03200CPG KC7325	G9
4150637	B042A03264CPG KC7325	G9
4150638	B042A03300CPG KC7325	G9
4150639	B042A03400CPG KC7325	G9
4150640	B042A03455CPG KC7325	G9
4150641	B042A03500CPG KC7325	G9
4150642	B042A03571CPG KC7325	G9
4150643	B042A03600CPG KC7325	G9
4150644	B042A03658CPG KC7325	G9
4150645	B042A03700CPG KC7325	G9
4150646	B042A03734CPG KC7325	G9
4150647	B042A03800CPG KC7325	G9
4150648	B042A03900CPG KC7325	G9
4150649	B042A03970CPG KC7325	G9
4150650	B042A04000CPG KC7325	G9
4150651	B042A04039CPG KC7325	G9
4150652	B042A04090CPG KC7325	G9
4150653	B042A04100CPG KC7325	G9
4150654	B042A04200CPG KC7325	G9
4150655	B042A04217CPG KC7325	G9
4150656	B042A04300CPG KC7325	G9
4150657	B042A04366CPG KC7325	G9
4150658	B042A04400CPG KC7325	G9
4150659	B042A04500CPG KC7325	G9
4150660	B042A04600CPG KC7325	G9
4150661	B042A04623CPG KC7325	G9
4150662	B042A04700CPG KC7325	G9
4150663	B042A04763CPG KC7325	G9
4150664	B042A04800CPG KC7325	G9
4150665	B042A04852CPG KC7325	G9
4150666	B042A04900CPG KC7325	G9
4150667	B042A05000CPG KC7325	G9
4150668	B042A05100CPG KC7325	G9
4150669	B042A05106CPG KC7325	G9
4150670	B042A05159CPG KC7325	G9
4150671	B042A05200CPG KC7325	G9
4150672	B042A05300CPG KC7325	G9
4150673	B042A05400CPG KC7325	G9
4150674	B042A05410CPG KC7325	G9
4150675	B042A05500CPG KC7325	G9
4150676	B042A05558CPG KC7325	G9
4150677	B042A05600CPG KC7325	G10
4150678	B042A05616CPG KC7325	G10
4150679	B042A05700CPG KC7325	G10
4150680	B042A05800CPG KC7325	G10
4150681	B042A05900CPG KC7325	G10
4150682	B042A05954CPG KC7325	G10
4150683	B042A06000CPG KC7325	G10
4150684	B042A06100CPG KC7325	G10
4150685	B042A06200CPG KC7325	G10
4150686	B042A06300CPG KC7325	G10
4150688	B042A06350CPG KC7325	G10
4150689	B042A06400CPG KC7325	G10
4150690	B042A06500CPG KC7325	G10
4150691	B042A06528CPG KC7325	G10
4150692	B042A06600CPG KC7325	G10
4150693	B042A06630CPG KC7325	G10
4150694	B042A06700CPG KC7325	G10
4150695	B042A06746CPG KC7325	G10
4150696	B042A06800CPG KC7325	G10
4150697	B042A06900CPG KC7325	G10
4150698	B042A07000CPG KC7325	G10
4150699	B042A07100CPG KC7325	G10
4150700	B042A07145CPG KC7325	G10
4150701	B042A07200CPG KC7325	G10
4150702	B042A07300CPG KC7325	G10
4150703	B042A07400CPG KC7325	G10
4150704	B042A07500CPG KC7325	G10
4150705	B042A07541CPG KC7325	G10
4150706	B042A07600CPG KC7325	G10
4150707	B042A07700CPG KC7325	G10
4150708	B042A07800CPG KC7325	G10
4150709	B042A07900CPG KC7325	G10
4150710	B042A07938CPG KC7325	G10
4150711	B042A08000CPG KC7325	G10
4150712	B042A08100CPG KC7325	G10
4150713	B042A08200CPG KC7325	G10
4150714	B042A08300CPG KC7325	G10
4150715	B042A08334CPG KC7325	G10
4150716	B042A08400CPG KC7325	G10
4150717	B042A08433CPG KC7325	G10
4150718	B042A08500CPG KC7325	G10
4150719	B042A08600CPG KC7325	G10
4150720	B042A08700CPG KC7325	G10
4150721	B042A08733CPG KC7325	G10
4150722	B042A08800CPG KC7325	G10
4150723	B042A08900CPG KC7325	G10
4150724	B042A09000CPG KC7325	G10
4150725	B042A09100CPG KC7325	G10
4150726	B042A09129CPG KC7325	G10
4150727	B042A09200CPG KC7325	G10
4150728	B042A09300CPG KC7325	G10
4150729	B042A09347CPG KC7325	G10
4150730	B042A09400CPG KC7325	G11
4150731	B042A09500CPG KC7325	G11
4150732	B042A09525CPG KC7325	G11
4150733	B042A09600CPG KC7325	G11
4150734	B042A09700CPG KC7325	G11
4150735	B042A09800CPG KC7325	G11
4150736	B042A09900CPG KC7325	G11
4150737	B042A09921CPG KC7325	G11
4150739	B042A10000CPG KC7325	G11
4150740	B042A10100CPG KC7325	G11
4150741	B042A10200CPG KC7325	G11
4150742	B042A10300CPG KC7325	G11
4150743	B042A10320CPG KC7325	G11
4150744	B042A10400CPG KC7325	G11
4150745	B042A10500CPG KC7325	G11
4150746	B042A10600CPG KC7325	G11
4150747	B042A10700CPG KC7325	G11
4150748	B042A10716CPG KC7325	G11
4150749	B042A10800CPG KC7325	G11
4150750	B042A10900CPG KC7325	G11
4150751	B042A11000CPG KC7325	G11
4150752	B042A11100CPG KC7325	G11
4150753	B042A11113CPG KC7325	G11
4150754	B042A11200CPG KC7325	G11
4150755	B042A11300CPG KC7325	G11
4150756	B042A11400CPG KC7325	G11
4150757	B042A11500CPG KC7325	G11
4150758	B042A11509CPG KC7325	G11
4150759	B042A11600CPG KC7325	G11
4150760	B042A11700CPG KC7325	G11
4150761	B042A11800CPG KC7325	G11
4150762	B042A11900CPG KC7325	G11
4150763	B042A11908CPG KC7325	G11
4150764	B042A12000CPG KC7325	G11
4150765	B042A12100CPG KC7325	G11
4150766	B042A12200CPG KC7325	G11
4150767	B042A12300CPG KC7325	G11
4150768	B042A12304CPG KC7325	G11
4150769	B042A12400CPG KC7325	G11
4150770	B042A12500CPG KC7325	G11
4150771	B042A12600CPG KC7325	G11
4150772	B042A12700CPG KC7325	G11
4150773	B042A12800CPG KC7325	G11
4150774	B042A12900CPG KC7325	G11
4150775	B042A13000CPG KC7325	G11
4150776	B042A13096CPG KC7325	G11
4150777	B042A13100CPG KC7325	G11
4150778	B042A13200CPG KC7325	G11
4150779	B042A13300CPG KC7325	G11
4150780	B042A13400CPG KC7325	G11
4150781	B042A13500CPG KC7325	G11
4150782	B042A13600CPG KC7325	G11
4150783	B042A13700CPG KC7325	G12
4150784	B042A13800CPG KC7325	G12
4150785	B042A13891CPG KC7325	G12
4150786	B042A13900CPG KC7325	G12
4150787	B042A14000CPG KC7325	G12
4150788	B042A14100CPG KC7325	G12
4150789	B042A14200CPG KC7325	G12
4150790	B042A14288CPG KC7325	G12
4150791	B042A14300CPG KC7325	G12
4150792	B042A14400CPG KC7325	G12
4150793	B042A14500CPG KC7325	G12
4150794	B042A14600CPG KC7325	G12
4150795	B042A14684CPG KC7325	G12
4150796	B042A14700CPG KC7325	G12
4150797	B042A14800CPG KC7325	G12
4150798	B042A14900CPG KC7325	G12
4150799	B042A15000CPG KC7325	G12
4150800	B042A15083CPG KC7325	G12
4150801	B042A15100CPG KC7325	G12
4150802	B042A15200CPG KC7325	G12
4150803	B042A15300CPG KC7325	G12
4150804	B042A15400CPG KC7325	G12
4150805	B042A15479CPG KC7325	G12
4150806	B042A15500CPG KC7325	G12
4150807	B042A15600CPG KC7325	G12
4150808	B042A15700CPG KC7325	G12
4150809	B042A15800CPG KC7325	G12
4150810	B042A15875CPG KC7325	G12
4150811	B042A15900CPG KC7325	G12
4150812	B042A16000CPG KC7325	G12
4150813	B042A16100CPG KC7325	G12
4150814	B042A16200CPG KC7325	G12
4150815	B042A16271CPG KC7325	G12
4150816	B042A16300CPG KC7325	G12
4150817	B042A16400CPG KC7325	G12
4150818	B042A16500CPG KC7325	G12
4150819	B042A16600CPG KC7325	G12
4150820	B042A16670CPG KC7325	G12
4150821	B042A16700CPG KC7325	G12
4150822	B042A16800CPG KC7325	G12
4150823	B042A16900CPG KC7325	G12
4150824	B042A17000CPG KC7325	G12
4150825	B042A17100CPG KC7325	G12
4150826	B042A17200CPG KC7325	G12
4150827	B042A17300CPG KC7325	G12
4150828	B042A17400CPG KC7325	G12
4150829	B042A17463CPG KC7325	G12
4150830	B042A17500CPG KC7325	G12
4150831	B042A17600CPG KC7325	G12
4150832	B042A17700CPG KC7325	G12
4150833	B042A17800CPG KC7325	G12
4150834	B042A17859CPG KC7325	G12
4150835	B042A17900CPG KC7325	G13
4150836	B042A18000CPG KC7325	G13
4150837	B042A18100CPG KC7325	G13
4150838	B042A18200CPG KC7325	G13
4150839	B042A18258CPG KC7325	G13
4150840	B042A18300CPG KC7325	G13
4150841	B042A18400CPG KC7325	G13
4150842	B042A18500CPG KC7325	G13
4150873	B042A18600CPG KC7325	G13
4150874	B042A18654CPG KC7325	G13
4150875	B042A18700CPG KC7325	G13
4150876	B042A18800CPG KC7325	G13
4150877	B042A18900CPG KC7325	G13
4150878	B042A19000CPG KC7325	G13
4150879	B042A19050CPG KC7325	G13
4150880	B042A19100CPG KC7325	G13
4150881	B042A19200CPG KC7325	G13
4150882	B042A19300CPG KC7325	G13
4150883	B042A19400CPG KC7325	G13
4150884	B042A19500CPG KC7325	G13
4150885	B042A19600CPG KC7325	G13
4150886	B042A19700CPG KC7325	G13
4150887	B042A19800CPG KC7325	G13
4150888	B042A19900CPG KC7325	G13
4150889	B042A20000CPG KC7325	G13
4150890	B042F03000CPG KC7325	G14
4150891	B042F03100CPG KC7325	G14
4150892	B042F03200CPG KC7325	G14
4150903	B042F03300CPG KC7325	G14
4150904	B042F03400CPG KC7325	G14
4150905	B042F03500CPG KC7325	G14
4150906	B042F03600CPG KC7325	G14
4150907	B042F03700CPG KC7325	G14
4150908	B042F03800CPG KC7325	G14
4150909	B042F03900CPG KC7325	G14
4150910	B042F04000CPG KC7325	G14
4150911	B042F04100CPG KC7325	G14
4150912	B042F04200CPG KC7325	G14
4150913	B042F04300CPG KC7325	G14
4150914	B042F04400CPG KC7325	G14
4150915	B042F04500CPG KC7325	G14
4150916	B042F04600CPG KC7325	G14
4150917	B042F04700CPG KC7325	G14
4150918	B042F04800CPG KC7325	G14
4150919	B042F04900CPG KC7325	G14
4150920	B042F05000CPG KC7325	G14
4150921	B042F05100CPG KC7325	G14
4150922	B042F05200CPG KC7325	G14
4150923	B042F05300CPG KC7325	G14
4150924	B042F05400CPG KC7325	G14
4150925	B042F05500CPG KC7325	G14
4150926	B042F05600CPG KC7325	G14
4150927	B042F05700CPG KC7325	G14
4150928	B042F05800CPG KC7325	G14
4150929	B042F05900CPG KC7325	G14
4150930	B042F06000CPG KC7325	G14
4150931	B042F06100CPG KC7325	G14
4150932	B042F06200CPG KC7325	G14
4150933	B042F06300CPG KC7325	G14
4150934	B042F06400CPG KC7325	G14
4150935	B042F06500CPG KC7325	G14
4150936	B042F06600CPG KC7325	G15
4150937	B042F06700CPG KC7325	G15
4150938	B042F06800CPG KC7325	G15
4150939	B042F06900CPG KC7325	G15
4150940	B042F07000CPG KC7325	G15
4150941	B042F07100CPG KC7325	G15
4150942	B042F07200CPG KC7325	G15
4150943	B042F07300CPG KC7325	G15
4150944	B042F07400CPG KC7325	G15
4150945	B042F07500CPG KC7325	G15
4150946	B042F07600CPG KC7325	G15
4150947	B042F07700CPG KC7325	G15
4150948	B042F07800CPG KC7325	G15
4150949	B042F07900CPG KC7325	G15
4150950	B042F08000CPG KC7325	G15

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4150951	B042F08100CPG KC7325	G15
4150952	B042F08200CPG KC7325	G15
4150953	B042F08300CPG KC7325	G15
4150954	B042F08400CPG KC7325	G15
4150955	B042F08500CPG KC7325	G15
4150956	B042F08600CPG KC7325	G15
4150957	B042F08700CPG KC7325	G15
4150958	B042F08800CPG KC7325	G15
4150959	B042F08900CPG KC7325	G15
4150960	B042F09000CPG KC7325	G15
4150961	B042F09100CPG KC7325	G15
4150962	B042F09200CPG KC7325	G15
4150963	B042F09300CPG KC7325	G15
4150964	B042F09400CPG KC7325	G15
4150965	B042F09500CPG KC7325	G15
4150966	B042F09600CPG KC7325	G15
4150967	B042F09700CPG KC7325	G15
4150968	B042F09800CPG KC7325	G15
4150969	B042F09900CPG KC7325	G15
4150970	B042F10000CPG KC7325	G15
4150971	B042F10100CPG KC7325	G15
4150972	B042F10200CPG KC7325	G15
4150983	B042F10300CPG KC7325	G15
4150984	B042F10400CPG KC7325	G15
4150985	B042F10500CPG KC7325	G15
4150986	B042F10600CPG KC7325	G15
4150987	B042F10700CPG KC7325	G15
4150988	B042F10800CPG KC7325	G15
4150989	B042F10900CPG KC7325	G15
4150990	B042F11000CPG KC7325	G15
4150991	B042F11100CPG KC7325	G15
4150992	B042F11200CPG KC7325	G15
4150993	B042F11300CPG KC7325	G15
4150994	B042F11400CPG KC7325	G15
4150995	B042F11500CPG KC7325	G15
4150996	B042F11600CPG KC7325	G15
4150997	B042F11700CPG KC7325	G15
4150998	B042F11800CPG KC7325	G16
4150999	B042F11900CPG KC7325	G16
4151000	B042F12000CPG KC7325	G16
4151001	B042F12100CPG KC7325	G16
4151002	B042F12200CPG KC7325	G16
4151003	B042F12300CPG KC7325	G16
4151004	B042F12400CPG KC7325	G16
4151005	B042F12500CPG KC7325	G16
4151006	B042F12600CPG KC7325	G16
4151007	B042F12700CPG KC7325	G16
4151008	B042F12800CPG KC7325	G16
4151009	B042F12900CPG KC7325	G16
4151010	B042F13000CPG KC7325	G16
4151011	B042F13100CPG KC7325	G16
4151012	B042F13200CPG KC7325	G16
4151013	B042F13300CPG KC7325	G16
4151014	B042F13400CPG KC7325	G16
4151015	B042F13500CPG KC7325	G16
4151016	B042F13600CPG KC7325	G16
4151017	B042F13700CPG KC7325	G16
4151018	B042F13800CPG KC7325	G16
4151019	B042F13900CPG KC7325	G16
4151020	B042F14000CPG KC7325	G16
4151021	B042F14100CPG KC7325	G16
4151022	B042F14200CPG KC7325	G16
4151023	B042F14300CPG KC7325	G16
4151024	B042F14400CPG KC7325	G16
4151025	B042F14500CPG KC7325	G16
4151026	B042F14600CPG KC7325	G16
4151027	B042F14700CPG KC7325	G16
4151028	B042F14800CPG KC7325	G16
4151029	B042F14900CPG KC7325	G16
4151030	B042F15000CPG KC7325	G16
4151031	B042F15100CPG KC7325	G16
4151032	B042F15200CPG KC7325	G16
4151033	B042F15300CPG KC7325	G16
4151034	B042F15400CPG KC7325	G16
4151035	B042F15500CPG KC7325	G16
4151036	B042F15600CPG KC7325	G16
4151037	B042F15700CPG KC7325	G16
4151038	B042F15800CPG KC7325	G16
4151039	B042F15900CPG KC7325	G16
4151040	B042F16000CPG KC7325	G16
4151041	B042F16100CPG KC7325	G16
4151042	B042F16200CPG KC7325	G16
4151043	B042F16300CPG KC7325	G16
4151044	B042F16400CPG KC7325	G16
4151045	B042F16500CPG KC7325	G16
4151046	B042F16600CPG KC7325	G16
4151047	B042F16700CPG KC7325	G16
4151048	B042F16800CPG KC7325	G16
4151049	B042F16900CPG KC7325	G16
4151050	B042F17000CPG KC7325	G17
4151051	B042F17100CPG KC7325	G17
4151052	B042F17200CPG KC7325	G17
4151053	B042F17300CPG KC7325	G17
4151054	B042F17400CPG KC7325	G17
4151055	B042F17500CPG KC7325	G17
4151056	B042F17600CPG KC7325	G17
4151057	B042F17700CPG KC7325	G17
4151058	B042F17800CPG KC7325	G17
4151059	B042F17900CPG KC7325	G17
4151060	B042F18000CPG KC7325	G17
4151061	B042F18100CPG KC7325	G17
4151062	B042F18200CPG KC7325	G17
4151063	B042F18300CPG KC7325	G17
4151064	B042F18400CPG KC7325	G17
4151065	B042F18500CPG KC7325	G17
4151066	B042F18600CPG KC7325	G17
4151067	B042F18700CPG KC7325	G17
4151068	B042F18800CPG KC7325	G17
4151069	B042F18900CPG KC7325	G17
4151070	B042F19000CPG KC7325	G17
4151071	B042F19100CPG KC7325	G17
4151072	B042F19200CPG KC7325	G17
4151073	B042F19300CPG KC7325	G17
4151074	B042F19400CPG KC7325	G17
4151075	B042F19500CPG KC7325	G17
4151076	B042F19600CPG KC7325	G17
4151077	B042F19700CPG KC7325	G17
4151078	B042F19800CPG KC7325	G17
4151079	B042F19900CPG KC7325	G17
4151080	B042F20000CPG KC7325	G17
4151081	B051A03000CPG KC7325	G19
4151082	B051A03048CPG KC7325	G19
4151103	B051A03100CPG KC7325	G19
4151104	B051A03175CPG KC7325	G19
4151105	B051A03264CPG KC7325	G19
4151106	B051A03300CPG KC7325	G19
4151107	B051A03400CPG KC7325	G19
4151108	B051A03455CPG KC7325	G19
4151109	B051A03500CPG KC7325	G19
4151110	B051A03571CPG KC7325	G19
4151111	B051A03600CPG KC7325	G19
4151112	B051A03658CPG KC7325	G19
4151113	B051A03700CPG KC7325	G19
4151114	B051A03734CPG KC7325	G19
4151115	B051A03800CPG KC7325	G19
4151116	B051A03900CPG KC7325	G19
4151117	B051A03970CPG KC7325	G19
4151118	B051A04039CPG KC7325	G19
4151119	B051A04090CPG KC7325	G19
4151120	B051A04100CPG KC7325	G19
4151121	B051A04200CPG KC7325	G19
4151122	B051A04217CPG KC7325	G19
4151123	B051A04300CPG KC7325	G19
4151124	B051A04366CPG KC7325	G19
4151125	B051A04400CPG KC7325	G19
4151126	B051A04500CPG KC7325	G19
4151127	B051A04600CPG KC7325	G19
4151128	B051A04623CPG KC7325	G19
4151129	B051A04700CPG KC7325	G19
4151130	B051A04763CPG KC7325	G19
4151131	B051A04800CPG KC7325	G19
4151132	B051A04852CPG KC7325	G19
4151133	B051A04900CPG KC7325	G19
4151134	B051A05000CPG KC7325	G19
4151135	B051A05100CPG KC7325	G19
4151136	B051A05106CPG KC7325	G19
4151137	B051A05159CPG KC7325	G19
4151138	B051A05200CPG KC7325	G19
4151139	B051A05300CPG KC7325	G19
4151140	B051A05400CPG KC7325	G19
4151141	B051A05410CPG KC7325	G19
4151142	B051A05500CPG KC7325	G19
4151143	B051A05558CPG KC7325	G19
4151144	B051A05600CPG KC7325	G19
4151145	B051A05616CPG KC7325	G19
4151146	B051A05700CPG KC7325	G19
4151147	B051A05800CPG KC7325	G19
4151148	B051A05954CPG KC7325	G19
4151149	B051A06100CPG KC7325	G20
4151150	B051A06200CPG KC7325	G20
4151151	B051A06300CPG KC7325	G20
4151152	B051A06350CPG KC7325	G20
4151153	B051A06400CPG KC7325	G20
4151154	B051A06500CPG KC7325	G20
4151155	B051A06528CPG KC7325	G20
4151156	B051A06600CPG KC7325	G20
4151157	B051A06630CPG KC7325	G20
4151158	B051A06700CPG KC7325	G20
4151159	B051A06746CPG KC7325	G20
4151160	B051A06800CPG KC7325	G20
4151161	B051A06900CPG KC7325	G20
4151162	B051A07000CPG KC7325	G20
4151163	B051A07100CPG KC7325	G20
4151164	B051A07145CPG KC7325	G20
4151165	B051A07200CPG KC7325	G20
4151166	B051A07300CPG KC7325	G20
4151167	B051A07400CPG KC7325	G20
4151168	B051A07500CPG KC7325	G20
4151169	B051A07541CPG KC7325	G20
4151170	B051A07600CPG KC7325	G20
4151171	B051A07700CPG KC7325	G20
4151172	B051A07800CPG KC7325	G20
4151173	B051A07900CPG KC7325	G20
4151174	B051A07938CPG KC7325	G20
4151175	B051A08000CPG KC7325	G20
4151176	B051A08100CPG KC7325	G20
4151177	B051A08200CPG KC7325	G20
4151178	B051A08300CPG KC7325	G20
4151179	B051A08334CPG KC7325	G20
4151180	B051A08400CPG KC7325	G20
4151181	B051A08433CPG KC7325	G20
4151182	B051A08500CPG KC7325	G20
4151183	B051A08600CPG KC7325	G20
4151184	B051A08700CPG KC7325	G20
4151185	B051A08733CPG KC7325	G20
4151186	B051A08800CPG KC7325	G20
4151187	B051A08900CPG KC7325	G20
4151188	B051A09000CPG KC7325	G20
4151189	B051A09100CPG KC7325	G20
4151190	B051A09129CPG KC7325	G20
4151191	B051A09200CPG KC7325	G20
4151192	B051A09300CPG KC7325	G20
4151193	B051A09347CPG KC7325	G20
4151194	B051A09400CPG KC7325	G20
4151195	B051A09500CPG KC7325	G20
4151196	B051A09525CPG KC7325	G20
4151197	B051A09600CPG KC7325	G20
4151198	B051A09700CPG KC7325	G20
4151199	B051A09800CPG KC7325	G20
4151200	B051A09900CPG KC7325	G21
4151201	B051A09921CPG KC7325	G21
4151202	B051A10000CPG KC7325	G21
4151203	B051A10100CPG KC7325	G21
4151213	B051A10716CPG KC7325	G21
4151214	B051A10800CPG KC7325	G21
4151215	B051A10900CPG KC7325	G21
4151216	B051A11000CPG KC7325	G21
4151217	B051A11100CPG KC7325	G21
4151218	B051A11113CPG KC7325	G21
4151219	B051A11200CPG KC7325	G21
4151220	B051A11300CPG KC7325	G21
4151221	B051A11400CPG KC7325	G21
4151222	B051A11500CPG KC7325	G21
4151223	B051A11509CPG KC7325	G21
4151224	B051A11600CPG KC7325	G21
4151225	B051A11700CPG KC7325	G21
4151226	B051A11800CPG KC7325	G21
4151227	B051A11900CPG KC7325	G21
4151228	B051A11908CPG KC7325	G21
4151229	B051A12000CPG KC7325	G21
4151230	B051A12100CPG KC7325	G21
4151231	B051A12200CPG KC7325	G21
4151232	B051A12300CPG KC7325	G21
4151233	B051A12304CPG KC7325	G21
4151234	B051A12400CPG KC7325	G21
4151235	B051A12500CPG KC7325	G21
4151236	B051A12600CPG KC7325	G21
4151237	B051A12700CPG KC7325	G21
4151238	B051A12800CPG KC7325	G21
4151239	B051A12900CPG KC7325	G21
4151240	B051A13000CPG KC7325	G21
4151241	B051A13096CPG KC7325	G21
4151242	B051A13100CPG KC7325	G21
4151243	B051A13200CPG KC7325	G21
4151244	B051A13300CPG KC7325	G21
4151245	B051A13400CPG KC7325	G21
4151246	B051A13500CPG KC7325	G21
4151247	B051A13600CPG KC7325	G21
4151248	B051A13700CPG KC7325	G21
4151249	B051A13800CPG KC7325	G21
4151250	B051A13891CPG KC7325	G21
4151251	B051A13900CPG KC7325	G21
4151252	B051A14100CPG KC7325	G21
4151253	B051A14200CPG KC7325	G22
4151254	B051A14288CPG KC7325	G22
4151255	B051A14300CPG KC7325	G22
4151256	B051A14400CPG KC7325	G22
4151257	B051A14500CPG KC7325	G22
4151258	B051A14600CPG KC7325	G22
4151259	B051A14684CPG KC7325	G22
4151260	B051A14700CPG KC7325	G22
4151261	B051A14800CPG KC7325	G22
4151262	B051A14900CPG KC7325	G22
4151263	B051A15000CPG KC7325	G22
4151264	B051A15083CPG KC7325	G22
4151265	B051A15100CPG KC7325	G22
4151266	B051A15200CPG KC7325	G22
4151267	B051A15300CPG KC7325	G22
4151268	B051A15400CPG KC7325	G22
4151269	B051A15479CPG KC7325	G22
4151270	B051A15500CPG KC7325	G22
4151271	B051A15600CPG KC7325	G22
4151272	B051A15700CPG KC7325	G22
4151273	B051A15800CPG KC7325	G22
4151274	B051A15875CPG KC7325	G22
4151275	B051A15900CPG KC7325	G22
4151276	B051A16000CPG KC7325	G22
4151277	B051A16100CPG KC7325	G22
4151278	B051A16200CPG KC7325	G22
4151279	B051A16271CPG KC7325	G22
4151280	B051A16300CPG KC7325	G22
4151281	B051A16400CPG KC7325	G22
4151282	B051A16500CPG KC7325	G22
4151283	B051A16600CPG KC7325	G22
4151284	B051A16670CPG KC7325	G22
4151285	B051A16700CPG KC7325	G22
4151286	B051A16800CPG KC7325	G22
4151287	B051A16900CPG KC7325	G22
4151288	B051A17000CPG KC7325	G22
4151289	B051A17100CPG KC7325	G22
4151290	B051A17200CPG KC7325	G22
4151291	B051A17300CPG KC7325	G22
4151292	B051A17400CPG KC7325	G22
4151293	B051A17463CPG KC7325	G22
4151294	B051A17500CPG KC7325	G22
4151295	B051A17600CPG KC7325	G22
4151296	B051A17700CPG KC7325	G22
4151297	B051A17800CPG KC7325	G22
4151298	B051A17859CPG KC7325	G22
4151299	B051A17900CPG KC7325	G22
4151443	B041F10600CPG KC7325	G15
4151444	B041F10700CPG KC7325	G15
4151445	B041F10800CPG KC7325	G15
4151446	B041F10900CPG KC7325	G15
4151447	B041F11000CPG KC7325	G15
4151448	B041F11100CPG KC7325	G15
4151449	B041F11200CPG KC7325	G15
4151450	B041F11300CPG KC7325	G15
4151451	B041F11400CPG KC7325	G15
4151452	B041F11500CPG KC7325	G15
4151453	B041F11600CPG KC7325	G15
4151454	B041F11700CPG KC7325	G15
4151455	B041F11800CPG KC7325	G16
4151456	B041F11900CPG KC7325	G16
4151457	B041F12000CPG KC7325	G16
4151458	B041F12100CPG KC7325	G16
4151459	B041F12200CPG KC7325	G16
4151460	B041F12300CPG KC7325	G16

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4151461	B041F12400CPG KC7325	G16
4151462	B041F12500CPG KC7325	G16
4151463	B041F12600CPG KC7325	G16
4151464	B041F12700CPG KC7325	G16
4151465	B041F12800CPG KC7325	G16
4151466	B041F12900CPG KC7325	G16
4151467	B041F13000CPG KC7325	G16
4151468	B041F13100CPG KC7325	G16
4151469	B041F13200CPG KC7325	G16
4151470	B041F13300CPG KC7325	G16
4151471	B041F13400CPG KC7325	G16
4151472	B041F13500CPG KC7325	G16
4151473	B041F13600CPG KC7325	G16
4151474	B041F13700CPG KC7325	G16
4151475	B041F13800CPG KC7325	G16
4151476	B041F13900CPG KC7325	G16
4151477	B041F14000CPG KC7325	G16
4151478	B041F14100CPG KC7325	G16
4151479	B041F14200CPG KC7325	G16
4151480	B041F14300CPG KC7325	G16
4151481	B041F14400CPG KC7325	G16
4151482	B041F14500CPG KC7325	G16
4151483	B041F14600CPG KC7325	G16
4151484	B041F14700CPG KC7325	G16
4151485	B041F14800CPG KC7325	G16
4151486	B041F14900CPG KC7325	G16
4151487	B041F15000CPG KC7325	G16
4151488	B041F15100CPG KC7325	G16
4151489	B041F15200CPG KC7325	G16
4151490	B041F15300CPG KC7325	G16
4151491	B041F15400CPG KC7325	G16
4151492	B041F15500CPG KC7325	G16
4151493	B041F15600CPG KC7325	G16
4151494	B041F15700CPG KC7325	G16
4151495	B041F15800CPG KC7325	G16
4151496	B041F15900CPG KC7325	G16
4151497	B041F16000CPG KC7325	G16
4151498	B041F16100CPG KC7325	G16
4151499	B041F16200CPG KC7325	G16
4151500	B041F16300CPG KC7325	G16
4151501	B041F16400CPG KC7325	G16
4151502	B041F16500CPG KC7325	G16
4151503	B041F16600CPG KC7325	G16
4151504	B041F16700CPG KC7325	G16
4151505	B041F16800CPG KC7325	G16
4151506	B041F16900CPG KC7325	G16
4151507	B041F17000CPG KC7325	G17
4151508	B041F17100CPG KC7325	G17
4151509	B041F17200CPG KC7325	G17
4151510	B041F17300CPG KC7325	G17
4151511	B041F17400CPG KC7325	G17
4151512	B041F17500CPG KC7325	G17
4151513	B041F17600CPG KC7325	G17
4151514	B041F17700CPG KC7325	G17
4151515	B041F17800CPG KC7325	G17
4151516	B041F17900CPG KC7325	G17
4151517	B041F18000CPG KC7325	G17
4151518	B041F18100CPG KC7325	G17
4151519	B041F18200CPG KC7325	G17
4151520	B041F18300CPG KC7325	G17
4151521	B041F18400CPG KC7325	G17
4151522	B041F18500CPG KC7325	G17
4151523	B041F18600CPG KC7325	G17
4151524	B041F18700CPG KC7325	G17
4151525	B041F18800CPG KC7325	G17
4151526	B041F18900CPG KC7325	G17
4151527	B041F19000CPG KC7325	G17
4151528	B041F19100CPG KC7325	G17
4151529	B041F19200CPG KC7325	G17
4151530	B041F19300CPG KC7325	G17
4151531	B041F19400CPG KC7325	G17
4151532	B041F19500CPG KC7325	G17
4151533	B041F19600CPG KC7325	G17
4151534	B041F19700CPG KC7325	G17
4151535	B041F19800CPG KC7325	G17
4151536	B041F19900CPG KC7325	G17
4151537	B041F20000CPG KC7325	G17
4151623	B041A01000CPG KC7325	G8
4151624	B041A01016CPG KC7325	G8
4151625	B041A01041CPG KC7325	G8
4151626	B041A01067CPG KC7325	G8
4151627	B041A01092CPG KC7325	G8
4151628	B041A01100CPG KC7325	G8
4151629	B041A01181CPG KC7325	G8
4151630	B041A01191CPG KC7325	G8
4151631	B041A01200CPG KC7325	G8
4151632	B041A01300CPG KC7325	G8
4151633	B041A01321CPG KC7325	G8
4151634	B041A01397CPG KC7325	G8
4151635	B041A01400CPG KC7325	G8
4151636	B041A01500CPG KC7325	G8
4151637	B041A01600CPG KC7325	G8
4151638	B041A01700CPG KC7325	G8
4151639	B041A01800CPG KC7325	G8
4151640	B041A01900CPG KC7325	G8
4151641	B041A01984CPG KC7325	G8
4151642	B041A02000CPG KC7325	G8
4151643	B041A02100CPG KC7325	G8
4151644	B041A02200CPG KC7325	G8
4151645	B041A02300CPG KC7325	G8
4151646	B041A02383CPG KC7325	G8
4151647	B041A02400CPG KC7325	G8
4151648	B041A02439CPG KC7325	G8
4151649	B041A02489CPG KC7325	G8
4151650	B041A02500CPG KC7325	G8
4151651	B041A02578CPG KC7325	G8
4151652	B041A02600CPG KC7325	G8
4151653	B041A02642CPG KC7325	G8
4151654	B041A02700CPG KC7325	G8
4151655	B041A02705CPG KC7325	G9
4151656	B041A02779CPG KC7325	G9
4151657	B041A02800CPG KC7325	G9
4151658	B041A02820CPG KC7325	G9
4151659	B041A02870CPG KC7325	G9
4151660	B041A02900CPG KC7325	G9
4151661	B041A02947CPG KC7325	G9
4151736	B053A01500CPG KC7325	G18
4151737	B053A01600CPG KC7325	G18
4151738	B053A01700CPG KC7325	G18
4151739	B053A01800CPG KC7325	G18
4151740	B053A01900CPG KC7325	G18
4151741	B053A01984CPG KC7325	G18
4151742	B053A02000CPG KC7325	G18
4151743	B053A02100CPG KC7325	G18
4151744	B053A02200CPG KC7325	G18
4151745	B053A02300CPG KC7325	G18
4151746	B053A02383CPG KC7325	G18
4151747	B053A02400CPG KC7325	G18
4151748	B053A02439CPG KC7325	G18
4151749	B053A02489CPG KC7325	G18
4151750	B053A02500CPG KC7325	G18
4151751	B053A02578CPG KC7325	G18
4151752	B053A02600CPG KC7325	G18
4151753	B053A02642CPG KC7325	G18
4151754	B053A02700CPG KC7325	G18
4151755	B053A02705CPG KC7325	G18
4151756	B053A02779CPG KC7325	G18
4151757	B053A02800CPG KC7325	G18
4151758	B053A02820CPG KC7325	G18
4151759	B053A02870CPG KC7325	G18
4151760	B053A02900CPG KC7325	G18
4151761	B053A02947CPG KC7325	G19
4151774	B042A01000CPG KC7325	G8
4151776	B042A01016CPG KC7325	G8
4151777	B042A01041CPG KC7325	G8
4151778	B042A01067CPG KC7325	G8
4151779	B042A01092CPG KC7325	G8
4151780	B042A01100CPG KC7325	G8
4151781	B042A01181CPG KC7325	G8
4151782	B042A01191CPG KC7325	G8
4151783	B042A01200CPG KC7325	G8
4151784	B042A01300CPG KC7325	G8
4151785	B042A01321CPG KC7325	G8
4151786	B042A01397CPG KC7325	G8
4151787	B042A01400CPG KC7325	G8
4151788	B042A01500CPG KC7325	G8
4151789	B042A01600CPG KC7325	G8
4151790	B042A01700CPG KC7325	G8
4151791	B042A01800CPG KC7325	G8
4151792	B042A01900CPG KC7325	G8
4151793	B042A01984CPG KC7325	G8
4151794	B042A02000CPG KC7325	G8
4151795	B042A02100CPG KC7325	G8
4151796	B042A02200CPG KC7325	G8
4151797	B042A02300CPG KC7325	G8
4151798	B042A02383CPG KC7325	G8
4151799	B042A02400CPG KC7325	G8
4151800	B042A02439CPG KC7325	G8
4151801	B042A02489CPG KC7325	G8
4151802	B042A02500CPG KC7325	G8
4151803	B042A02578CPG KC7325	G8
4151804	B042A02600CPG KC7325	G8
4151805	B042A02642CPG KC7325	G8
4151806	B042A02700CPG KC7325	G8
4151807	B042A02705CPG KC7325	G9
4151808	B042A02779CPG KC7325	G9
4151809	B042A02800CPG KC7325	G9
4151810	B042A02820CPG KC7325	G9
4151811	B042A02870CPG KC7325	G9
4151812	B042A02900CPG KC7325	G9
4151813	B042A02947CPG KC7325	G9
4152204	UEBC0200A2A KC643M	P194
4152205	UEBC0300A2A KC643M	P194
4152206	UEBC0400A2A KC643M	P194
4152207	UEBC0500A2A KC643M	P194
4152208	UEBC0600A2A KC643M	P194
4152209	UEBC0800A2A KC643M	P194
4152210	UEBC1000A2A KC643M	P194
4152211	UEBC1200A2A KC643M	P194
4153687	KSHRHF025D03M16HN06	S4
4153689	KSHRHF032D04M16HN06	S4
4153703	KSHRHF025D03A20HN06L120	S4
4153704	KSHRHF032D03A25HN06L130	S4
4153706	KSHRHF040A05RS15HN06	S5
4153707	KSHRHF050A05RS15HN06	S5
4153708	KSHRHF063A06RS15HN06	S5
4153709	KSHRHF080A08RS15HN06	S5
4153778	T321M100X150R6HX KC7542	M5
4153779	T321M120X175R6HX KC7542	M5
4153780	T321M140X200R6HX KC7542	M5
4153781	T321M160X200R6HX KC7542	M5
4153782	T321MF120X150R6HX KC7542	M5
4153874	T650M240X300R6HX-D6 KP6525	M32
4153875	T650M300X350R6HX-D6 KP6525	M32
4153876	T650M300X350R6HX-D6 KP6525	M32
4153877	T650M360X400R6HX-D6 KP6525	M32
4153878	T650M420X450R6HX-D6 KP6525	M32
4153879	T650M240X300R6HX-XL KP6525	M34
4153880	T650M300X350R6HX-XL KP6525	M34
4153881	T650M330X350R6HX-XL KP6525	M34
4153882	T650M360X400R6HX-XL KP6525	M34
4153883	T650M420X450R6HX-XL KP6525	M34
4153884	T651M240X300R6HX-D6 KP6525	M33
4153885	T651M300X350R6HX-D6 KP6525	M33
4153886	T651M330X350R6HX-D6 KP6525	M33
4153887	T651M360X400R6HX-D6 KP6525	M33
4153888	T651M420X450R6HX-D6 KP6525	M33
4153889	T651M240X300R6HX-XL KP6525	M35
4153890	T651M300X350R6HX-XL KP6525	M35
4153891	T651M330X350R6HX-XL KP6525	M35
4153892	T651M360X400R6HX-XL KP6525	M35
4153893	T651M420X450R6HX-XL KP6525	M35
4153903	T321MF140X150R6HX KC7542	M5
4154007	T632M050X080R6HX-D1 KP6525	M26
4154008	T632M060X100R6HX-D1 KP6525	M26
4154009	T632M080X125R6HX-D1 KP6525	M26
4154010	T632M100X150R6HX-D1 KP6525	M26
4154011	T632M120X175R6HX-D6 KP6525	M26
4154012	T632M140X200R6HX-D6 KP6525	M26
4154013	T632MF120X150R6HX-D4 KP6525	M26
4154014	T632MF140X150R6HX-D4 KP6525	M26
4154015	T632MF160X150R6HX-D4 KP6525	M26
4154016	T633M050X080R6HX-D1 KP6525	M27
4154017	T633M060X100R6HX-D1 KP6525	M27
4154018	T633M080X125R6HX-D1 KP6525	M27
4154019	T633M100X150R6HX-D1 KP6525	M27
4154020	T633M120X175R6HX-D6 KP6525	M27
4154021	T633M140X200R6HX-D6 KP6525	M27
4154022	T633MF120X150R6HX-D4 KP6525	M27
4154023	T633MF140X150R6HX-D4 KP6525	M27
4154024	T633MF160X150R6HX-D4 KP6525	M27
4154103	T600M030X050R6HX-D1 KSP21	M13
4154104	T600M040X070R6HX-D1 KSP21	M13
4154105	T600M050X080R6HX-D1 KSP21	M13
4154106	T600M060X100R6HX-D1 KSP21	M13
4154107	T600M080X125R6HX-D1 KSP21	M13
4154108	T600M100X150R6HX-D1 KSP21	M13
4154109	T600M120X175R6HX-D6 KSP21	M13
4154110	T600M140X200R6HX-D6 KSP21	M13
4154111	T600M160X200R6HX-D6 KSP21	M13
4154112	T600M180X250R6HX-D6 KSP21	M13
4154113	T600M200X250R6HX-D6 KSP21	M13
4154114	T600MF080X100R6HX-D4 KSP21	M13
4154115	T600MF100X100R6HX-D4 KSP21	M13
4154116	T600MF100X125R6HX-D4 KSP21	M13
4154117	T600MF120X125R6HX-D4 KSP21	M13
4154118	T600MF120X150R6HX-D4 KSP21	M13
4154119	T600MF140X150R6HX-D4 KSP21	M13
4154120	T600MF160X150R6HX-D4 KSP21	M13
4154647	T622M030X050R6HX-D74 KSN28	M74
4154648	T622M040X070R6HX-D74 KSN28	M74
4154649	T622M050X080R6HX-D74 KSN28	M74
4154650	T622M060X100R6HX-D74 KSN28	M74
4154651	T622M080X125R6HX-D74 KSN28	M74
4154652	T622M100X150R6HX-D74 KSN28	M74
4154693	T622M120X175R6HX-D74 KSN28	M74
4154694	T622M160X200R6HX-D74 KSN28	M74
4154695	T622MF080X100R6HX-D74 KSN28	M74
4154696	T622MF100X100R6HX-D74 KSN28	M74
4154697	T622MF100X125R6HX-D74 KSN28	M74
4154698	T622MF120X125R6HX-D74 KSN28	M74
4154699	T622MF120X150R6HX-D74 KSN28	M74
4154700	T622MF140X150R6HX-D74 KSN28	M74
4154701	T622MF160X150R6HX-D74 KSN28	M74
4155723	EDPT140408PDSRGD2 KC725M	T54, T63
4155725	EDPT140408PDSRGD2 KCPK30	T54, T63
4155726	EDPT140408PDSRGD2 KC520M	T54, T63
4156131	UGDE1400A5ARD KC643M	P36
4156132	UGDE1400A5BRD KC643M	P37
4156451	T642M050X080R6HX-D1 KP6525	M65
4156452	T642M060X100R6HX-D1 KP6525	M65
4156543	T642M080X125R6HX-D1 KP6525	M65
4156544	T642M100X150R6HX-D1 KP6525	M65
4156545	T642M120X175R6HX-D6 KP6525	M65
4156546	T642M140X200R6HX-D6 KP6525	M65
4156547	T642MF120X150R6HX-D4 KP6525	M65
4156548	T642MF140X150R6HX-D4 KP6525	M65
4156549	T642MF160X150R6HX-D4 KP6525	M65
4156550	T643M050X080R6HX-D1 KP6525	M66
4156551	T643M060X100R6HX-D1 KP6525	M66
4156552	T643M080X125R6HX-D1 KP6525	M66
4156553	T643M100X150R6HX-D1 KP6525	M66
4156554	T643M120X175R6HX-D6 KP6525	M66
4156555	T643M140X200R6HX-D6 KP6525	M66
4156556	T643MF120X150R6HX-D4 KP6525	M66
4156557	T643MF140X150R6HX-D4 KP6525	M66
4156558	T643MF160X150R6HX-D4 KP6525	M66
4157734	T410M030X050R6HX-D1 KCU36	M62
4157735	T410M040X070R6HX-D1 KCU36	M62
4157736	T410M050X080R6HX-D1 KCU36	M62
4157737	T410M060X100R6HX-D1 KCU36	M62
4157738	T410M080X125R6HX-D1 KCU36	M62
4157739	T410M100X150R6HX-D1 KCU36	M62
4157740	T410M120X175R6HX-D6 KCU36	M62
4157741	T410M140X200R6HX-D6 KCU36	M62
4157742	T410MF080X100R6HX-D4 KCU36	M62
4157963	T410MF100X100R6HX-D4 KCU36	M62
4157964	T410MF120X150R6HX-D4 KCU36	M62
4157965	T410MF140X150R6HX-D4 KCU36	M62
4157966	T410MF160X150R6HX-D4 KCU36	M62
4158449	T622M030X050R6HX-D74 KSP21	M74
4158450	T622M040X070R6HX-D74 KSP21	M74
4158451	T622M050X080R6HX-D74 KSP21	M74
4158452	T622M060X100R6HX-D74 KSP21	M74
4158483	T622M080X125R6HX-D74 KSP21	M74
4158484	T622M100X150R6HX-D74 KSP21	M74
4158485	T622M120X175R6HX-D74 KSP21	M74
4158486	T622M160X200R6HX-D74 KSP21	M74
4158487	T622MF080X100R6HX-D74 KSP21	M74
4158488	T622MF100X100R6HX-D74 KSP21	M74
4158489	T622MF100X125R6HX-D74 KSP21	M74
4158490	T622MF120X125R6HX-D74 KSP21	M74
4158491	T622MF120X150R6HX-D74 KSP21	M74
4158492	T622MF140X150R6HX-D74 KSP21	M74
4158493	T622MF160X150R6HX-D74 KSP21	M74

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4158728	KTIP0794HPM KCP15	H26
4158729	KTIP0800HPM KCP15	H26
4158730	KTIP0810HPM KCP15	H26
4158731	KTIP0816HPM KCP15	H26
4158732	KTIP0820HPM KCP15	H26
4158893	KTIP0830HPM KCP15	H26
4158894	KTIP0833HPM KCP15	H26
4158895	KTIP0840HPM KCP15	H26
4158896	KTIP0843HPM KCP15	H26
4158897	KTIP0850HPM KCP15	H26
4158898	KTIP0860HPM KCP15	H26
4158899	KTIP0861HPM KCP15	H26
4158900	KTIP0870HPM KCP15	H26
4158901	KTIP0873HPM KCP15	H26
4158902	KTIP0880HPM KCP15	H26
4158903	KTIP0884HPM KCP15	H26
4158904	KTIP0890HPM KCP15	H26
4158905	KTIP0900HPM KCP15	H26
4158906	KTIP0909HPM KCP15	H26
4158907	KTIP0910HPM KCP15	H26
4158908	KTIP0913HPM KCP15	H26
4158909	KTIP0920HPM KCP15	H26
4158910	KTIP0930HPM KCP15	H26
4158911	KTIP0935HPM KCP15	H26
4158912	KTIP0940HPM KCP15	H26
4158913	KTIP0950HPM KCP15	H26
4158914	KTIP0953HPM KCP15	H26
4158915	KTIP0956HPM KCP15	H26
4158916	KTIP0958HPM KCP15	H26
4158917	KTIP0960HPM KCP15	H26
4158918	KTIP0970HPM KCP15	H26
4158919	KTIP0980HPM KCP15	H26
4158920	KTIP0990HPM KCP15	H26
4158921	KTIP0992HPM KCP15	H26
4158922	KTIP1000HPM KCP15	H26
4158923	KTIP1002HPM KCP15	H26
4158924	KTIP1008HPM KCP15	H26
4158925	KTIP1010HPM KCP15	H26
4158926	KTIP1020HPM KCP15	H26
4158927	KTIP1026HPM KCP15	H26
4158928	KTIP1030HPM KCP15	H26
4158929	KTIP1032HPM KCP15	H26
4158930	KTIP1040HPM KCP15	H26
4158931	KTIP1049HPM KCP15	H26
4158932	KTIP1050HPM KCP15	H26
4158933	KTIP1060HPM KCP15	H26
4158934	KTIP1070HPM KCP15	H26
4158935	KTIP1072HPM KCP15	H26
4158936	KTIP1080HPM KCP15	H26
4158937	KTIP1090HPM KCP15	H26
4158938	KTIP1100HPM KCP15	H26
4158939	KTIP1110HPM KCP15	H26
4158940	KTIP1111HPM KCP15	H26
4158941	KTIP1120HPM KCP15	H26
4158942	KTIP1130HPM KCP15	H26
4158943	KTIP1140HPM KCP15	H26
4158944	KTIP1150HPM KCP15	H26
4158945	KTIP1151HPM KCP15	H26
4158946	KTIP1160HPM KCP15	H26
4158947	KTIP1170HPM KCP15	H26
4158948	KTIP1180HPM KCP15	H26
4158949	KTIP1190HPM KCP15	H26
4158950	KTIP1191HPM KCP15	H27
4158951	KTIP1200HPM KCP15	H27
4158952	KTIP1210HPM KCP15	H27
4158953	KTIP1220HPM KCP15	H27
4158954	KTIP1230HPM KCP15	H27
4158955	KTIP1240HPM KCP15	H27
4158956	KTIP1247HPM KCP15	H27
4158957	KTIP1250HPM KCP15	H27
4158958	KTIP1260HPM KCP15	H27
4158959	KTIP1270HPM KCP15	H27
4158960	KTIP1280HPM KCP15	H27
4158961	KTIP1290HPM KCP15	H27
4158962	KTIP1300HPM KCP15	H27
4158963	KTIP1310HPM KCP15	H27
4158964	KTIP1320HPM KCP15	H27
4158965	KTIP1330HPM KCP15	H27
4158966	KTIP1340HPM KCP15	H27
4158967	KTIP1349HPM KCP15	H27
4158968	KTIP1350HPM KCP15	H27
4158969	KTIP1360HPM KCP15	H27
4158970	KTIP1370HPM KCP15	H27
4158971	KTIP1380HPM KCP15	H27
4158972	KTIP1389HPM KCP15	H27
4158973	KTIP1390HPM KCP15	H27
4158974	KTIP1400HPM KCP15	H27
4158975	KTIP1410HPM KCP15	H27
4158976	KTIP1420HPM KCP15	H27
4158977	KTIP1429HPM KCP15	H27
4158978	KTIP1430HPM KCP15	H27
4158979	KTIP1440HPM KCP15	H27
4158980	KTIP1450HPM KCP15	H27
4158981	KTIP1460HPM KCP15	H27
4158982	KTIP1467HPM KCP15	H27
4158983	KTIP1468HPM KCP15	H27
4158984	KTIP1470HPM KCP15	H27
4158985	KTIP1480HPM KCP15	H27
4158986	KTIP1500HPM KCP15	H27
4158987	KTIP1508HPM KCP15	H27
4159030	KTIP1520HPM KCP15	H27
4159031	KTIP1530HPM KCP15	H27
4159032	KTIP1540HPM KCP15	H27
4159205	KTIP1510HPM KCP15	H27
4159223	KTIP1548HPM KCP15	H27
4159224	KTIP1550HPM KCP15	H27
4159225	KTIP1560HPM KCP15	H27
4159226	KTIP1570HPM KCP15	H27
4159227	KTIP1580HPM KCP15	H27
4159228	KTIP1588HPM KCP15	H27
4159229	KTIP1600HPM KCP15	H27
4159230	KTIP1603HPM KCP15	H27
4159231	KTIP1608HPM KCP15	H27
4159232	KTIP1610HPM KCP15	H27
4159233	KTIP1620HPM KCP15	H27
4159234	KTIP1627HPM KCP15	H27
4159235	KTIP1630HPM KCP15	H27
4159236	KTIP1640HPM KCP15	H27
4159237	KTIP1650HPM KCP15	H27
4159238	KTIP1660HPM KCP15	H27
4159239	KTIP1667HPM KCP15	H27
4159240	KTIP1670HPM KCP15	H27
4159241	KTIP1680HPM KCP15	H27
4159242	KTIP1690HPM KCP15	H27
4159243	KTIP1700HPM KCP15	H27
4159244	KTIP1707HPM KCP15	H27
4159245	KTIP1710HPM KCP15	H27
4159246	KTIP1720HPM KCP15	H27
4159247	KTIP1730HPM KCP15	H27
4159248	KTIP1740HPM KCP15	H27
4159249	KTIP1748HPM KCP15	H27
4159250	KTIP1750HPM KCP15	H27
4159251	KTIP1760HPM KCP15	H27
4159252	KTIP1770HPM KCP15	H27
4159253	KTIP1780HPM KCP15	H27
4159254	KTIP1786HPM KCP15	H27
4159255	KTIP1790HPM KCP15	H27
4159256	KTIP1800HPM KCP15	H27
4159257	KTIP1810HPM KCP15	H27
4159258	KTIP1820HPM KCP15	H27
4159259	KTIP1826HPM KCP15	H27
4159260	KTIP1850HPM KCP15	H27
4159261	KTIP1860HPM KCP15	H27
4159262	KTIP1865HPM KCP15	H27
4159263	KTIP1870HPM KCP15	H27
4159264	KTIP1880HPM KCP15	H27
4159265	KTIP1890HPM KCP15	H27
4159266	KTIP1900HPM KCP15	H27
4159267	KTIP1905HPM KCP15	H27
4159268	KTIP1910HPM KCP15	H27
4159269	KTIP1920HPM KCP15	H27
4159270	KTIP1923HPM KCP15	H27
4159271	KTIP1925HPM KCP15	H27
4159272	KTIP1930HPM KCP15	H27
4159273	KTIP1940HPM KCP15	H27
4159274	KTIP1946HPM KCP15	H27
4159275	KTIP1950HPM KCP15	H27
4159276	KTIP1960HPM KCP15	H27
4159277	KTIP1970HPM KCP15	H28
4159278	KTIP1980HPM KCP15	H28
4159279	KTIP1984HPM KCP15	H28
4159280	KTIP1990HPM KCP15	H28
4159281	KTIP2000HPM KCP15	H28
4159282	KTIP2010HPM KCP15	H28
4159283	KTIP2020HPM KCP15	H28
4159284	KTIP2024HPM KCP15	H28
4159285	KTIP2030HPM KCP15	H28
4159286	KTIP2050HPM KCP15	H28
4159287	KTIP2060HPM KCP15	H28
4159288	KTIP2064HPM KCP15	H28
4159289	KTIP2070HPM KCP15	H28
4159290	KTIP2080HPM KCP15	H28
4159291	KTIP2090HPM KCP15	H28
4159292	KTIP2099HPM KCP15	H28
4159293	KTIP2100HPM KCP15	H28
4159294	KTIP2143HPM KCP15	H28
4159295	KTIP2150HPM KCP15	H28
4159296	KTIP2200HPM KCP15	H28
4159297	KTIP2223HPM KCP15	H28
4159298	KTIP2250HPM KCP15	H28
4159299	KTIP2300HPM KCP15	H28
4159300	KTIP2350HPM KCP15	H28
4159301	KTIP2381HPM KCP15	H28
4159302	KTIP2400HPM KCP15	H28
4159303	KTIP2450HPM KCP15	H28
4159304	KTIP2461HPM KCP15	H28
4159305	KTIP2500HPM KCP15	H28
4159306	KTIP2540HPM KCP15	H28
4159307	KTIP2550HPM KCP15	H28
4159308	KTIP2567HPM KCP15	H28
4159309	KTIP2581HPM KCP15	H28
4159310	KTIP2599HPM KCP15	H28
4159311	KTIP2600HPM KCP15	H28
4159312	KTIP2619HPM KCP15	H28
4159313	KTIP2650HPM KCP15	H28
4159314	KTIP2659HPM KCP15	H28
4159315	KTIP2700HPM KCP15	H28
4159316	KTIP2750HPM KCP15	H28
4159317	KTIP2778HPM KCP15	H28
4159318	KTIP2799HPM KCP15	H28
4159441	T623M050X080R6HX-D74 KSN28	M75
4159442	T623M060X100R6HX-D74 KSN28	M75
4159623	T623M080X125R6HX-D74 KSN28	M75
4159624	T623M100X150R6HX-D74 KSN28	M75
4159625	T623M120X175R6HX-D74 KSN28	M75
4159626	T623M160X200R6HX-D74 KSN28	M75
4159627	T623MF080X100R6HX-D74 KSN28	M75
4159628	T623MF100X100R6HX-D74 KSN28	M75
4159629	T623MF120X150R6HX-D74 KSN28	M75
4159630	T623MF140X150R6HX-D74 KSN28	M75
4159631	T623MF160X150R6HX-D74 KSN28	M75
4159820	T623M050X080R6HX-D74 KSP21	M75
4159821	T623M060X100R6HX-D74 KSP21	M75
4159822	T623M080X125R6HX-D74 KSP21	M75
4159843	T623M100X150R6HX-D74 KSP21	M75
4159844	T623M120X175R6HX-D74 KSP21	M75
4159845	T623M160X200R6HX-D74 KSP21	M75
4159846	T623MF080X100R6HX-D74 KSP21	M75
4159847	T623MF100X100R6HX-D74 KSP21	M75
4159848	T623MF120X150R6HX-D74 KSP21	M75
4159849	T623MF140X150R6HX-D74 KSP21	M75
4159850	T623MF160X150R6HX-D74 KSP21	M75
4159851	T670M030X050R6H-D1 KSN38	M12
4159852	T670M040X070R6H-D1 KSN38	M12
4159933	T670M050X080R6H-D1 KSN38	M12
4159934	T670M060X100R6H-D1 KSN38	M12
4159935	T670M080X125R6H-D1 KSN38	M12
4159936	T670M100X150R6H-D1 KSN38	M12
4159937	T670M120X175R6H-D6 KSN38	M12
4159938	T670M160X200R6H-D6 KSN38	M12
4159939	T680M030X050R6H-D1 KSN38	M38
4159940	T680M040X070R6H-D1 KSN38	M38
4159941	T680M050X080R6H-D1 KSN38	M38
4159942	T680M060X100R6H-D1 KSN38	M38
4159953	T680M080X125R6H-D1 KSN38	M38
4159954	T680M100X150R6H-D1 KSN38	M38
4159955	T680M120X175R6H-D6 KSN38	M38
4159956	T680M160X200R6H-D6 KSN38	M38
4159957	T680M200X250R6H-D6 KSN38	M38
4160768	RCGT1204M0MS KCU25	B223
4160769	RCGT1606M0MS KCU25	B223
4161098	T604M030X050R6H-D1 KSH26	M39
4161099	T604M040X070R6H-D1 KSH26	M39
4161100	T604M050X080R6H-D1 KSH26	M39
4161101	T604M060X100R6H-D1 KSH26	M39
4161102	T604M080X125R6H-D1 KSH26	M39
4161343	T604M100X150R6H-D1 KSH26	M39
4161344	T604M120X175R6H-D6 KSH26	M39
4161345	T604M140X200R6H-D6 KSH26	M39
4161346	T604M160X200R6H-D6 KSH26	M39
4161347	T604M180X250R6H-D6 KSH26	M39
4161348	T604M200X250R6H-D6 KSH26	M39
4161349	T604MF080X100R6H-D4 KSH26	M39
4161350	T604MF100X100R6H-D4 KSH26	M39
4161351	T604MF100X125R6H-D4 KSH26	M39
4161352	T604MF120X125R6H-D4 KSH26	M39
4161353	T604MF120X150R6H-D4 KSH26	M39
4161354	T604MF140X150R6H-D4 KSH26	M39
4161355	T604MF160X150R6H-D4 KSH26	M39
4164868	50A04RS90RP16	V78
4164987	RIQ09E1300 KC6005	K55
4165042	NGD3M350LK KCU25	C149
4167881	CV40FBHM1691	K130
4167882	CV40FBHMKIT645	K123, K127
4168063	EBM1580160162	K132
4168669	A4G0300M03P04S02025ST KB1630	C101
4168670	A4G0400M04P04S02025ST KB1630	C101
4168753	A4G0300M03P04EST KB1630	C101
4168755	A4G0500M05P08EST KB1630	C101
4168756	A4G0600M06P08EST KB1630	C101
4168757	A4R0300M03P00EST KB1630	B337, C102
4168758	A4R0400M04P00EST KB1630	B337, C102
4168759	A4R0500M05P00EST KB1630	B337, C102
4168760	A4R0600M06P00EST KB1630	B337, C102
4168928	A4G0300M03P04S02025ST KB5625	C101
4168929	A4G0400M04P04S02025ST KB5625	C101
4168930	A4G0500M05P08S02025ST KB5625	C101
4168931	A4G0600M06P08S02025ST KB5625	C101
4168932	NG3M200LS02020ST KB5625	C163
4168945	NG3M200RS02020ST KB5625	C163
4168946	NG3M300RS02020ST KB5625	C163
4168947	NG3M400RS02020ST KB5625	C163
4168948	NG3125RS0820ST KB5625	C163
4169239	B269A03175HP KCPK15	G68
4169240	B269A03264HP KCPK15	G68
4169241	B269A03500HP KCPK15	G68
4169242	B269A03970HP KCPK15	G68
4169243	B269A04000HP KCPK15	G68
4169244	B269A04500HP KCPK15	G68
4169245	B269A04600HP KCPK15	G68
4169246	B269A04763HP KCPK15	G68
4169247	B269A04800HP KCPK15	G68
4169248	B269A05000HP KCPK15	G68
4169249	B269A05100HP KCPK15	G68
4169250	B269A05200HP KCPK15	G68
4169251	B269A05300HP KCPK15	G68
4169252	B269A05410HP KCPK15	G68
4169253	B269A05500HP KCPK15	G68
4169254	B269A05558HP KCPK15	G68
4169255	B269A05600HP KCPK15	G69
4169256	B269A05700HP KCPK15	G69
4169257	B269A05800HP KCPK15	G69
4169258	B269A06000HP KCPK15	G69
4169259	B269A06200HP KCPK15	G69
4169260	B269A06350HP KCPK15	G69
4169261	B269A06500HP KCPK15	G69
4169262	B269A06528HP KCPK15	G69
4169263	B269A06600HP KCPK15	G69
4169264	B269A06746HP KCPK15	G69
4169265	B269A06800HP KCPK15	G69
4169266	B269A06909HP KCPK15	G69
4169267	B269A07000HP KCPK15	G69
4169268	B269A07145HP KCPK15	G69
4169269	B269A07500HP KCPK15	G69
4169270	B269A07541HP KCPK15	G69
4169271	B269A07700HP KCPK15	G69
4169272	B269A07800HP KCPK15	G69
4169273	B269A07938HP KCPK15	G69

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4169274	B269A08000HP KCPK15	G69
4169275	B269A08100HP KCPK15	G69
4169276	B269A08334HP KCPK15	G69
4169277	B269A08433HP KCPK15	G69
4169278	B269A08700HP KCPK15	G69
4169279	B269A08733HP KCPK15	G69
4169280	B269A09000HP KCPK15	G69
4169281	B269A09100HP KCPK15	G69
4169282	B269A09129HP KCPK15	G69
4169283	B269A09500HP KCPK15	G69
4169284	B269A09525HP KCPK15	G69
4169285	B269A09921HP KCPK15	G69
4169286	B269A10000HP KCPK15	G69
4169287	B269A10200HP KCPK15	G69
4169288	B269A10300HP KCPK15	G69
4169289	B269A10320HP KCPK15	G69
4169290	B269A10500HP KCPK15	G69
4169291	B269A10716HP KCPK15	G69
4169292	B269A10800HP KCPK15	G69
4169293	B269A11000HP KCPK15	G69
4169294	B269A11113HP KCPK15	G69
4169295	B269A11500HP KCPK15	G70
4169296	B269A11800HP KCPK15	G70
4169297	B269A12000HP KCPK15	G70
4169298	B269A12100HP KCPK15	G70
4169299	B269A12304HP KCPK15	G70
4169300	B269A12700HP KCPK15	G70
4169301	B269A13000HP KCPK15	G70
4169302	B269A13100HP KCPK15	G70
4169303	B269A13500HP KCPK15	G70
4169304	B269A14100HP KCPK15	G70
4169305	B269A14288HP KCPK15	G70
4169306	B269A14500HP KCPK15	G70
4169307	B269A14684HP KCPK15	G70
4169308	B269A15000HP KCPK15	G70
4169309	B269A15500HP KCPK15	G70
4169310	B269A15875HP KCPK15	G70
4169311	B269A16000HP KCPK15	G70
4169312	B269A16500HP KCPK15	G70
4169313	B269A17000HP KCPK15	G70
4169314	B269A17463HP KCPK15	G70
4169315	B269A17500HP KCPK15	G70
4169316	B269A18000HP KCPK15	G70
4169317	B269A18500HP KCPK15	G70
4169318	B269A19000HP KCPK15	G70
4169319	B269A19050HP KCPK15	G70
4169320	B269A19500HP KCPK15	G70
4169321	B269A20000HP KCPK15	G70
4169337	NG3M200RS02020ST KB1630	C163
4169338	NG3M300RS02020ST KB1630	C163
4169341	NG3125RS0820ST KB1630	C163
4169343	NG3125LS0820ST KB1630	C163
4169745	A4SCR1212K0214	C114
4169746	A4SCR1616K0217	C114
4169747	A4SCR1212K0314	C114
4169748	A4SCR1616K0317	C114
4169749	A4SCL1212K0214	C114
4169750	A4SCL1616K0217	C114
4169752	A4SCL1616K0317	C114
4170385	CM209R ASSY	B58–60, B66, B105
4170386	CM210R ASSY	B59–60, B105
4170387	CM236R ASSY	B105–106
4170408	KSCMCA90QF KD1420	S134
4170410	KSCMCA90UNBF KD1420	S134
4170411	KSCMCA90QFBF KD1420	S134
4171227	LNUX301940RRF KCP10	E51
4171768	RCGT0803M0MS KCU10	B223
4171769	RCGT1204M0MS KCU10	B223
4171770	RCGT1606M0MS KCU10	B223
4171823	CNMG120402FN KCU10	B49
4171824	CNMG120404FP KCU10	B49
4171825	DNMG110404FF KCU10	B76
4171826	DNMG110404FP KCU10	B77
4171827	DNMG150404FP KCU10	B77
4171828	DNMG150408FP KCU10	B77
4171829	DNMG150412FP KCU10	B77
4171830	DNMG150604FP KCU10	B77
4171831	DNMG150608FP KCU10	B77
4171833	SNMG090304FF KCU10	B97
4171835	SNMG120404FP KCU10	B97
4171836	SNMG120408FP KCU10	B97
4171837	TNMG110304FF KCU10	B124
4171838	TNMG160404FP KCU10	B124
4171839	TNMG160408FP KCU10	B124
4171840	TNMG160412FP KCU10	B124
4171841	TNMG220404FP KCU10	B124
4171842	TNMG220408FP KCU10	B124
4171843	VNMG160404FP KCU10	B145
4171844	VNMG160408FP KCU10	B145
4171845	WNMG060404FF KCU10	B155
4171848	WNMG080404FF KCU10	B155
4171849	WNMG080404FP KCU10	B156
4171851	WNMG080408FP KCU10	B156
4171853	KNUX150405L25 KCU10	E31
4171854	KNUX150410L25 KCU10	E31
4171855	KCUX110302L15 KCU10	E32
4171856	KCUX110305L15 KCU10	E32
4171857	KNUX150405R20 KCU10	E31
4171858	KNUX150410R25 KCU10	E31
4171860	KCUX110305R15 KCU10	E32
4175270	B731A04200HP KCPK15	G120
4175271	B731A05000HP KCPK15	G120
4175272	B731A06800HP KCPK15	G120
4175403	B731A08500HP KCPK15	G120
4175404	B731A10200HP KCPK15	G120
4175405	B731A10500HP KCPK15	G120
4175406	B731A12000HP KCPK15	G120
4175407	B731A12500HP KCPK15	G120
4175408	B731A14000HP KCPK15	G120
4175409	B732A04200HP KCPK15	G121
4175410	B732A05000HP KCPK15	G121
4175411	B732A06800HP KCPK15	G121
4175412	B732A08500HP KCPK15	G121
4175413	B732A10200HP KCPK15	G121
4175414	B732A10500HP KCPK15	G121
4175415	B732A12000HP KCPK15	G121
4175416	B732A12500HP KCPK15	G121
4175417	B732A14000HP KCPK15	G121
4175418	B731A03734HP KCPK15	G120
4175419	B731A04496HP KCPK15	G120
4175420	B731A05106HP KCPK15	G120
4175421	B731A05410HP KCPK15	G120
4175422	B731A06528HP KCPK15	G120
4175423	B731A06909HP KCPK15	G120
4175424	B731A07938HP KCPK15	G120
4175425	B731A08433HP KCPK15	G120
4175426	B731A09921HP KCPK15	G120
4175427	B731A10716HP KCPK15	G120
4175428	B731A12304HP KCPK15	G120
4175429	B731A13096HP KCPK15	G120
4175430	B731A13495HP KCPK15	G120
4175431	B731A16670HP KCPK15	G120
4175432	B731A17463HP KCPK15	G120
4175433	B731A19446HP KCPK15	G120
4175434	B732A03734HP KCPK15	G121
4175435	B732A04496HP KCPK15	G121
4175436	B732A05106HP KCPK15	G121
4175437	B732A05410HP KCPK15	G121
4175438	B732A06528HP KCPK15	G121
4175439	B732A06909HP KCPK15	G121
4175440	B732A07938HP KCPK15	G121
4175441	B732A08433HP KCPK15	G121
4175442	B732A09921HP KCPK15	G121
4175443	B732A10716HP KCPK15	G121
4175445	B732A13096HP KCPK15	G121
4175446	B732A13495HP KCPK15	G121
4175447	B732A16670HP KCPK15	G121
4175448	B732A17463HP KCPK15	G121
4175834	NGD3125RK KCU10	C149
4175835	NGD3189L KCU10	C157
4175836	NGD3189LK KCU10	C149
4175837	NGD3189R KCU10	C157
4175838	NGD3189RK KCU10	C149
4175839	NGD3M200RK KCU10	C149
4175840	NGP3088L KCU10	C152
4175841	NGP3088R KCU10	C152
4175843	NG2031L KCU10	C155
4175844	NG2031LK KCU10	C147
4175845	NG2031R KCU10	C154
4175846	NG2031RK KCU10	C146
4175847	NG2041R KCU10	C154
4175848	NG2047L KCU10	C155
4175849	NG2047LK KCU10	C147
4175850	NG2047R KCU10	C154
4175851	NG2047RK KCU10	C146
4175852	NG2062L KCU10	C155
4175853	NG2062LK KCU10	C147
4175854	NG2062R KCU10	C154
4175855	NG2062RK KCU10	C146
4175856	NG2094L KCU10	C155
4175857	NG2094LK KCU10	C147
4175858	NG2094R KCU10	C154
4175859	NG2094RK KCU10	C146
4175860	NG2125L KCU10	C155
4175861	NG2125LK KCU10	C148
4175862	NG2125R KCU10	C154
4175863	NG2125RK KCU10	C146
4175864	NG2M080LK KCU10	C147
4175865	NG2M080RK KCU10	C146
4175866	NG2M100LK KCU10	C147
4175867	NG2M100RK KCU10	C146
4175868	NG2M120LK KCU10	C147
4175869	NG2M120RK KCU10	C146
4175870	NG2M140LK KCU10	C147
4175871	NG2M140RK KCU10	C146
4175873	NG2M170RK KCU10	C146
4175875	NG2M195RK KCU10	C146
4175876	NG2M200LK KCU10	C147
4175877	NG2M200RK KCU10	C146
4175878	NG2M225LK KCU10	C147
4175879	NG2M225RK KCU10	C146
4175880	NG2M275RK KCU10	C146
4175881	NG2M300LK KCU10	C148
4175882	NG2M300RK KCU10	C146
4175883	NGP3125R KCU10	C152
4175884	NGP3156R KCU10	C152
4175886	NJ3014R12 KCU10	D17
4175888	NJF3005R32 KCU10	D17
4175893	NGP2031L KCU10	C152
4175894	NGP2031R KCU10	C152
4175895	NGP2062L KCU10	C152
4175896	NGP2062R KCU10	C152
4175897	NGP2125L KCU10	C152
4175898	NGP2125R KCU10	C152
4175899	NP2002RK KCU10	C151
4175901	NR2031L KCU10	C158
4175902	NR2031R KCU10	C158
4175903	NR2062L KCU10	C158
4175904	NR2062R KCU10	C158
4175905	NR2M050L KCU10	C158
4175906	NR2M050R KCU10	C158
4175907	NR2M075R KCU10	C158
4175908	NR2M100R KCU10	C158
4175909	NT2L KCU10	D19
4175910	NT2LK KCU10	D24
4175911	NT2R KCU10	D19
4175912	NT2RK KCU10	D24
4175928	NJK3008R20 KCU10	D18
4175932	NJP3010R16 KCU10	D18
4175933	NTF2L KCU10	D23
4175934	NTF2R KCU10	D23
4175935	NTK2L KCU10	D23
4175936	NTK2R KCU10	D23
4175937	NTP2L KCU10	D24
4175938	NTP2R KCU10	D24
4175944	NJP3014R12 KCU10	D18
4175946	NP3002RK KCU10	C151
4175947	NPD3012RK KCU10	C151
4175948	NR3031L KCU10	C158
4175949	NR3031LK KCU10	C150
4175950	NR3031R KCU10	C158
4175951	NR3031RK KCU10	C150
4175952	NR3047L KCU10	C158
4175953	NR3047LK KCU10	C150
4175954	NR3047R KCU10	C158
4175955	NR3047RK KCU10	C150
4175956	NR3062L KCU10	C158
4175957	NR3062LK KCU10	C150
4175958	NR3062R KCU10	C158
4175959	NR3062RK KCU10	C150
4175961	NR3078RK KCU10	C150
4175963	NR3094R KCU10	C158
4175964	NR3M150L KCU10	C158
4175965	NRD3031L KCU10	C159
4175966	NRD3031R KCU10	C159
4175967	NRD3062L KCU10	C159
4175968	NRD3062R KCU10	C159
4175969	NRP3031L KCU10	C153
4175970	NRP3031R KCU10	C153
4175971	NRP3047L KCU10	C153
4175972	NRP3047R KCU10	C153
4175975	NRP3062R KCU10	C153
4175976	NRP3094L KCU10	C153
4175977	NRP3094R KCU10	C153
4175978	NT3L KCU10	D19
4175979	NT3LCK KCU10	D21
4175980	NT3LK KCU10	D24
4175981	NT3R KCU10	D19
4175982	NT3RCK KCU10	D21
4175983	NT3RK KCU10	D24
4175984	NTF3L KCU10	D23
4175985	NTF3R KCU10	D23
4175986	NTK3L KCU10	D23
4175987	NTK3R KCU10	D23
4175988	NTP3L KCU10	D24
4175989	NTP3R KCU10	D24
4176009	NG4125L KCU10	C155
4176010	NG4125LK KCU10	C148
4176011	NG4125R KCU10	C154
4176012	NG4125RK KCU10	C147
4176015	NA3L4 KCU10	D12
4176018	NA3L8 KCU10	D12
4176019	NA3R10 KCU10	D12
4176020	NA3R12 KCU10	D12
4176021	NA3R16 KCU10	D12
4176023	NA3R5 KCU10	D12
4176024	NA3R6 KCU10	D12
4176025	NA3R8 KCU10	D12
4176026	NAS3L10 KCU10	D13
4176027	NAS3L5 KCU10	D13
4176028	NAS3L6 KCU10	D13
4176029	NAS3L8 KCU10	D13
4176030	NAS3R10 KCU10	D13
4176031	NAS3R5 KCU10	D13
4176032	NAS3R6 KCU10	D13
4176033	NAS3R8 KCU10	D13
4176034	NG3047L KCU10	C155
4176035	NG3047LK KCU10	C148
4176036	NG3047R KCU10	C154
4176037	NG3047RK KCU10	C146
4176038	NG3062L KCU10	C155
4176039	NG3062LK KCU10	C148
4176040	NG3062R KCU10	C154
4176041	NG3062RK KCU10	C146
4176042	NG3072L KCU10	C155
4176043	NG3072LK KCU10	C148
4176044	NG3072R KCU10	C154
4176045	NG3072RK KCU10	C146
4176046	NG3078L KCU10	C155
4176047	NG3078LK KCU10	C148
4176048	NG3078R KCU10	C154
4176049	NG3078RK KCU10	C146
4176050	NG3088L KCU10	C155
4176051	NG3088R KCU10	C154
4176052	NG3094L KCU10	C155
4176053	NG3094LK KCU10	C148
4176054	NG3094R KCU10	C154
4176055	NG3094RK KCU10	C146
4176056	NG3097L KCU10	C155
4176057	NG3097R KCU10	C154
4176058	NG3105L KCU10	C155
4176059	NG3105R KCU10	C154
4176060	NG3125L KCU10	C155
4176061	NG3125LK KCU10	C148
4176062	NG3125R KCU10	C154
4176063	NG3125RK KCU10	C147
4176064	NG3142L KCU10	C155
4176065	NG3156LK KCU10	C148
4176066	NG3156R KCU10	C154
4176067	NG3156RK KCU10	C147
4176068	NG3189L KCU10	C155
4176069	NG3189LK KCU10	C148
4176070	NG3189R KCU10	C154
4176071	NG3189RK KCU10	C147
4176072	NG3M120LK KCU10	C148
4176073	NG4189L KCU10	C155
4176074	NG4189LK KCU10	C148
4176075	NG4189R KCU10	C154

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
4176076	NG4189RK KCU10	C147
4176077	NG4250L KCU10	C155
4176078	NG4250LK KCU10	C148
4176079	NG4250R KCU10	C154
4176081	NG4M400LK KCU10	C148
4176083	NG4M500LK KCU10	C148
4176084	NG4M500RK KCU10	C147
4176085	NGD4125LK KCU10	C149
4176086	NGD4125RK KCU10	C149
4176087	NGD4189LK KCU10	C149
4176088	NGD4189RK KCU10	C149
4176089	NGD4250L KCU10	C157
4176090	NGD4250LK KCU10	C149
4176091	NGD4250R KCU10	C157
4176092	NGD4250RK KCU10	C149
4176093	NG3M120RK KCU10	C146
4176094	NG3M225LK KCU10	C148
4176095	NG3M225RK KCU10	C146
4176096	NG3M275LK KCU10	C148
4176097	NG3M275RK KCU10	C147
4176098	NG3M300LK KCU10	C148
4176099	NG3M300RK KCU10	C147
4176100	NG3M400LK KCU10	C148
4176101	NG3M400RK KCU10	C147
4176102	NG3M425LK KCU10	C148
4176104	NGP4189R KCU10	C152
4176105	NGP4250L KCU10	C152
4176107	NR4062LK KCU10	C150
4176108	NR4062RK KCU10	C150
4176109	NR4094LK KCU10	C150
4176110	NR4094RK KCU10	C150
4176112	NR4125LK KCU10	C150
4176113	NR4125R KCU10	C158
4176114	NR4125RK KCU10	C150
4176115	NRD4062L KCU10	C159
4176116	NRD4062R KCU10	C159
4176117	NRD4094L KCU10	C159
4176118	NRD4094R KCU10	C159
4176119	NRD4125L KCU10	C159
4176121	NT4L KCU10	D19
4176122	NT4LK KCU10	D24
4176123	NG3M425RK KCU10	C147
4176124	NGD3062LK KCU10	C149
4176125	NGD3062RK KCU10	C149
4176126	NGD3094LK KCU10	C149
4176127	NGD3094RK KCU10	C149
4176128	NGD3125LK KCU10	C149
4176133	NT4R KCU10	D19
4176135	NT4RK KCU10	D24
4176137	NTP4R KCU10	D24
4176138	NA4L4 KCU10	D12
4176141	NA6R2 KCU10	D12
4176164	NDC3115VL75 KCU10	D16
4176165	NDC3115VR75 KCU10	D16
4176166	NDC314VR75 KCU10	D16
4176167	NDC327VR75 KCU10	D16
4176177	NDC68RDR75M KCU10	D15
4176178	NDC8115VR75M KCU10	D16
4176180	NDC88VR75M KCU10	D16
4176181	NT1L KCU10	D25
4176182	NTB2LB KCU10	D20
4176186	NTB3LB KCU10	D20
4176187	NTB3RA KCU10	D19
4176188	NTB3RB KCU10	D20
4176190	NTB4RA KCU10	D19
4176191	NTB4RB KCU10	D20
4176192	NTC3L10E KCU10	D22
4176193	NTC3L12E KCU10	D22
4176194	NTC3L16E KCU10	D22
4176195	NTC3MR150E KCU10	D21
4176198	NTC3R11E KCU10	D22
4176204	NTC3R20E KCU10	D22
4176206	NTC3R32E KCU10	D22
4176207	NTC3R8E KCU10	D22
4176208	NTC3R9E KCU10	D22
4177052	35E04R050A32RP12L200	V71
4177163	42A04RS90RP12	V72
4177597	VBMT160412LF KCP25	B265
4177622	KDMT0604SRHF KC515M	V133
4177633	KDMT0806SRHF KC515M	V133
4181068	RIQ09R0400S KB1610	K54
5000493	B707A12600FBG KC7315	G115
5001994	A4R0405M04U00GMN KCP25	C97
5004291	RIQ09R0400FB KT6225	K55
5006833	B978A03800 KC7315	G146
5015690	193.545	H102–103
5023558	B269A03700HP KCPK15	G68
5025597	SF300M1LA1RA	K64
5025598	SF750M1LA1RA	K64
5025599	SF300M1RS	K64
5025670	SF750M1RS	K64
5025671	SFSLRS	K65
5025672	SFSLLS	K65
5025673	SFSLRA	K65
5025674	SFSLLA	K65
5025675	SFMGS	K67
5025676	SFCR20	K67
5025677	SFCRHSK3263	K67
5025678	SFCRHSK63100	K67
5025679	SFCR20S	K67
5025680	SFVB	K65
5025681	SFEBS	K66
5025682	SFEBCH	K66
5025683	SFSLSS	K65
5025684	SFSB450	K66
5025685	SFSB900	K66
5025686	SFCPS	K66
5039055	B269A04300HP KCPK15	G68
5048735	CNMU120612MN KCP10	B51
5057900	B976A10600 KC7315	G141
5058500	KSEM2653HPGM KC7315	H43
5059278	B978A03400 KC7315	G146
5062104	SNMG090308FF KCU10	B97
5062106	SNMG120408MP KCU10	B98
5062108	SNMG120408RP KCU10	B101
5062109	SNMG120412MP KCU10	B98
5062110	SNMG120412P KCU10	B100
5062111	SNMG120412RP KCU10	B101
5062112	SNMG150612MP KCU10	B98
5062113	SNMG150612RP KCU10	B101
5062114	SNMG150612UP KCU10	B102
5062115	SNMG190612 KCU10	B96
5062117	SNMG190612RP KCU10	B101
5062120	SNMG190616RP KCU10	B101
5062121	SNMG250924 KCU10	B96
5062122	SNMG250924RM KCU10	B100
5062123	TNGG160402LF KCU10	B122
5062126	TNGP160402 KCU10	B122
5062127	TNGP160404 KCU10	B122
5062128	TNGP160408 KCU10	B122
5062129	TNMG160404FF KCU10	B124
5062130	TNMG160404FW KCU10	B125
5062131	TNMG160404MP KCU10	B125
5062132	TNMG160404P KCU10	B127
5062133	TNMG160408FF KCU10	B124
5062135	TNMG160408MP KCU10	B125
5062136	TNMG160408P KCU10	B127
5062137	TNMG160408RP KCU10	B128
5062139	TNMG220404P KCU10	B127
5062140	TNMG220408MP KCU10	B125
5062141	TNMG220408P KCU10	B127
5062142	TNMG220408RP KCU10	B128
5062144	TNMG220412P KCU10	B127
5062145	TNMG220412RP KCU10	B128
5062147	TNMG270612RP KCU10	B128
5062148	TNMG330924RP KCU10	B128
5062149	CNMG190612MS KCU25	B52
5063675	RPET1204M0ELEJ KC522M	V73
5063676	RPET1204M0ELEJ KC725M	V73
5063677	RPET1204M0SGEJ KC522M	V73
5063678	RPET1204M0SGEJ KC725M	V73
5063701	RPET1605M0ELEJ KC725M	V79
5063702	RPET1605M0SGEJ KC522M	V79
5063704	RPET1605M0SGEJ KC725M	V79
5065400	KTIP1338HPM KCP15	H27
5065401	KTIP1538HPM KCP15	H27
5065552	DFR020204LD KCU40	J84
5065554	DFR020204GD KCU40	J84
5065556	DFR020204MD KCU40	J84
5065557	DFR030204LD KCU40	J84
5065558	DFR030204GD KCU40	J84
5065559	DFR030204MD KCU40	J84
5065660	DFR040304LD KCU40	J84
5065661	DFR040304GD KCU40	J84
5065662	DFR040304MD KCU40	J84
5065663	DFT030204HP KCU40	J87
5065664	DFT030204MD KCU40	J87
5065665	DFT030204GD KCU40	J87
5065666	DFT030304HP KCU40	J87
5065667	DFT030304MD KCU40	J87
5065916	DFT030304GD KCU40	J87
5066013	DFT05T308HP KCU40	J87
5066014	DFT05T308MD KCU40	J87
5066015	DFT05T308GD KCU40	J87
5066016	DFT06T308HP KCU40	J87
5066019	DFT06T308MD KCU40	J87
5066064	DFT06T308GD KCU40	J87
5066146	DFT070408HP KCU40	J87
5066147	DFT070408MD KCU40	J87
5066148	DFT070408GD KCU40	J87
5066149	DFT090508HP KCU40	J87
5066190	DFT090508MD KCU40	J87
5066191	DFT090508GD KCU40	J87
5066192	DFR040304D28GD KCU40	H89
5066193	DFT05T308D32HP KCU40	H88
5066195	DFT05T308D33HP KCU40	H88
5066196	DFT06T308D36HP KCU40	H88
5066197	DFT06T308D39HP KCU40	H88
5066198	DFT06T308D44HP KCU40	H88
5066199	DFT070408D45HP KCU40	H88
5066220	DFT070408D50HP KCU40	H88
5066221	DFT090508D56HP KCU40	H88
5066222	DFT090508D63HP KCU40	H88
5066798	DFR020204GD KCU25	J84
5066799	DFR020204MD KCU25	J84
5067312	DFR030204GD KCU25	J84
5067313	DFR030204MD KCU25	J84
5067314	DFR040304GD KCU25	J84
5067316	DFR040304MD KCU25	J84
5067318	DFT030204HP KCU25	J87
5067319	DFT030204MD KCU25	J87
5067401	DFT030204GD KCU25	J87
5067402	DFT030304HP KCU25	J87
5067403	DFT030304MD KCU25	J87
5067404	DFT030304GD KCU25	J87
5067406	DFT05T308HP KCU25	J87
5067408	DFT05T308MD KCU25	J87
5067470	DFT05T308GD KCU25	J87
5067473	DFT06T308HP KCU25	J87
5067474	DFT06T308MD KCU25	J87
5067475	DFT06T308GD KCU25	J87
5067476	DFT070408HP KCU25	J87
5067478	DFT070408MD KCU25	J87
5067479	DFT070408GD KCU25	J87
5067480	DFT090508HP KCU25	J87
5067482	DFT090508MD KCU25	J87
5067485	DFT090508GD KCU25	J87
5067486	DFR040304D28GD KCU25	H89
5067487	DFT05T308D32HP KCU25	H88
5067488	DFT05T308D33HP KCU25	H88
5067489	DFT06T308D36HP KCU25	H88
5067520	DFT06T308D39HP KCU25	H88
5067522	DFT06T308D44HP KCU25	H88
5067523	DFT070408D45HP KCU25	H88
5067524	DFT070408D50HP KCU25	H88
5067526	DFT090508D56HP KCU25	H88
5067527	DFT090508D63HP KCU25	H88
5068267	DFR020204GD KCPK10	J84
5068268	DFR030204GD KCPK10	J84
5068280	DFR040304GD KCPK10	J84
5068281	DFT030204HP KCPK10	J87
5068282	DFT030204GD KCPK10	J87
5068283	DFT030304HP KCPK10	J87
5068284	DFT030304GD KCPK10	J87
5068285	DFT05T308HP KCPK10	J87
5068286	DFT05T308GD KCPK10	J87
5068288	DFT06T308HP KCPK10	J87
5068289	DFT06T308GD KCPK10	J87
5068321	DFT070408HP KCPK10	J87
5068323	DFT070408GD KCPK10	J87
5068325	DFT090508HP KCPK10	J87
5068326	DFT090508GD KCPK10	J87
5069150	A4G0405M04U04GMP KCP25	C95
5069154	A4G0605M06U04GMP KCP25	C95
5069158	A4G0605M06U12GMN KCP25	C96
5069159	A4G1005M10U08GMN KCP25	C96
5069160	A4G1005M10U12GMN KCP25	C96
5069161	A4R0305M03U00GMN KCP25	C97
5069162	A4R0505M05U00GMN KCP25	C97
5069163	A4R0605M06U00GMN KCP25	C97
5069164	A4R0805M08U00GMN KCP25	C97
5069354	A4G0405M04U04GMP KCP10	C95
5069359	A4G0505M05U04GMP KCP10	C95
5069390	A4G0505M05U08GMP KCP10	C95
5069394	A4G0205M02U02GMN KCP10	C96
5069430	A4G0305M03U02GMN KCP10	C96
5069431	A4G0305M03U04GMN KCP10	C96
5069432	A4G0605M06U04GMN KCP10	C96
5069433	A4G0805M08U08GMN KCP10	C96
5069435	A4G0805M08U12GMN KCP10	C96
5069437	A4G1005M10U08GMN KCP10	C96
5069439	A4R0205M02U00GMN KCP10	C97
5069470	A4R0305M03U00GMN KCP10	C97
5069471	A4R0805M08U00GMN KCP10	C97
5077334	B269A03300HP KCPK15	G68
5077336	B269A04200HP KCPK15	G68
5077337	B269A08200HP KCPK15	G69
5078982	NGD2M200LK KCU10	C149
5080992	SPGX060304MD KCPK10	J89
5085631	M1H40J4R80B32S90ED14C12	T57
5090284	RPGN060200E KYS30	B334, V155
5090285	RPGN090300T01020 KYS30	B334, V155
5090286	RPGN120400E KYS30	B334, V155
5090287	RPGN120400T01020 KYS30	B334, V155
5090494	CNMG120402MS KCU10	B52
5090495	CNMG120401MS KCU10	B52
5090496	CNMG120404MS KCU10	B52
5090497	CNMG120408MS KCU10	B52
5090498	CNMG120412MS KCU10	B52
5090499	CNMG120416MS KCU10	B52
5090680	CNMG160608MS KCU10	B52
5090681	CNMG160612MS KCU10	B52
5090682	CNMG190608MS KCU10	B52
5090684	CNMG190616MS KCU10	B52
5090685	DNMG110408MS KCU10	B79
5090686	DNMG150402MS KCU10	B79
5090687	DNMG150401MS KCU10	B79
5090688	DNMG150404MS KCU10	B79
5090689	DNMG150408MS KCU10	B79
5090740	DNMG150412MS KCU10	B79
5090741	DNMG150604MS KCU10	B79
5090742	DNMG150608MS KCU10	B79
5090743	DNMG150612MS KCU10	B79
5090744	RCGH120400 KCU10	B222
5090760	SNMG120408MS KCU10	B99
5090761	SNMG120412MS KCU10	B99
5090763	SNMG120416RP KCU10	B101
5090764	TNGG160404FS KCU10	B122
5090765	TNGG220408FS KCU10	B122
5090767	TNMG160402MS KCU10	B126
5090768	TNMG160404MS KCU10	B126
5090769	TNMG160408MS KCU10	B126
5090810	TNMG220404MS KCU10	B126
5090811	TNMG220408MS KCU10	B126
5090812	TNMG220412MS KCU10	B126
5090815	VNGG160402FS KCU10	B143
5090816	VNGG160401FS KCU10	B143
5090817	VNGG160404FS KCU10	B143
5090819	VNGG160408FS KCU10	B143
5090851	VNMG160402MS KCU10	B146
5090852	VNMG160401MS KCU10	B146
5090853	VNMG160404MS KCU10	B146
5090854	VNMG160408MS KCU10	B146
5090855	VNMG220404MS KCU10	B146
5090856	VNMG220408MS KCU10	B146
5090857	VNMG160412RP KCU10	B147
5090858	WNGG080404FS KCU10	B154
5090859	WNGG080408FS KCU10	B154
5090890	WNMG060408MS KCU10	B158
5090891	WNMG080402MS KCU10	B158
5090892	WNMG080401MS KCU10	B158
5090893	WNMG080404MS KCU10	B158
5090894	WNMG080408MS KCU10	B158
5104314	RNGJ1204M0ENLDJX KC522M	V65

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5104318	RNGJ1204M0SNGDJX KC725M	V65
5104420	KDR40Z04S16RN12X	V64
5104421	KDR50Z05S22RN12X	V64
5104424	KDR63Z06S22RN12X	V64
5104426	KDR80Z07S27RN12X	V64
5109130	A4G094I2BP05GUP KCU25	C93
5109131	A4G125I03P05GUP KCU25	C93
5109132	A4G125I03P1GUP KCU25	C93
5109133	A4G187I04P1GUP KCU25	C93
5109135	A4G250I06P1GUP KCU25	C93
5109136	A4G250I06P2GUP KCU25	C93
5109137	A4G312I08P1GUP KCU25	C93
5109138	A4G375I10P1GUP KCU25	C93
5109290	DNGG110402FS KCU10	B74
5109291	DNGG110404FS KCU10	B74
5109292	DNGG110408FS KCU10	B74
5109293	DNGG150401FS KCU10	B74
5109294	DNGG150402FS KCU10	B74
5109295	DNGG150604FS KCU10	B74
5109296	DNGG150404FS KCU10	B74
5109297	DNGG150608FS KCU10	B74
5109298	DNGG150408FS KCU10	B74
5115736	KSEMP2800FDS28B1M	H84, H94
5115737	KSEMP2858FDS28B1M	H84, H94
5115738	KSEMP2900FDS28B1M	H84, H94
5115739	KSEMP2937FDS28B1M	H84, H94
5116010	KSEMP3000FDS28B1M	H84, H94
5116011	KSEMP3017FDS28B1M	H84, H94
5116012	KSEMP3096FDS28B1M	H84, H94
5116013	KSEMP3100FDS28B1M	H84, H94
5116014	KSEMP3175FDS32B1M	H84, H94
5116015	KSEMP3200FDS32B1M	H84, H94
5116016	KSEMP3300FDS32B1M	H84, H94
5116017	KSEMP3320FDS32B1M	H84, H94
5116018	KSEMP3334FDS32B1M	H84, H94
5116019	KSEMP3400FDS32B1M	H84, H94
5116030	KSEMP3493FDS32B1M	H84, H94
5116031	KSEMP3500FDS32B1M	H84, H94
5116032	KSEMP3600FDS36B1M	H84, H94
5116033	KSEMP3651FDS36B1M	H84, H94
5116034	KSEMP3700FDS36B1M	H84, H94
5116035	KSEMP3750FDS36B1M	H84, H94
5116036	KSEMP3800FDS36B1M	H84, H95
5116037	KSEMP3810FDS36B1M	H84, H95
5116038	KSEMP3900FDS36B1M	H84, H95
5116039	KSEMP3920FDS36B1M	H84, H95
5116040	KSEMP3970FDS36B1M	H84, H95
5116041	KSEMP4000FDS40B1M	H84, H95
5116042	KSEMP4100FDS40B1M	H84, H95
5116043	KSEMP4128FDS40B1M	H84, H95
5116044	KSEMP4200FDS40B1M	H84, H95
5116045	KSEMP4300FDS40B1M	H84, H95
5116046	KSEMP4400FDS40B1M	H84, H95
5116047	KSEMP4445FDS40B1M	H84, H95
5116098	KSEMP4500FDS45B1M	H85, H95
5116099	KSEMP4600FDS45B1M	H85, H95
5116110	KSEMP4700FDS45B1M	H85, H95
5116111	KSEMP4763FDS45B1M	H85, H95
5116112	KSEMP4800FDS45B1M	H85, H95
5116113	KSEMP4900FDS45B1M	H85, H95
5116114	KSEMP5000FDS50B1M	H85, H95
5116115	KSEMP5080FDS50B1M	H85, H95
5116116	KSEMP5100FDS50B1M	H85, H95
5116117	KSEMP5200FDS50B1M	H85, H95
5116118	KSEMP5300FDS50B1M	H85, H95
5116119	KSEMP5398FDS50B1M	H85, H95
5116120	KSEMP5400FDS50B1M	H85, H95
5116121	KSEMP5500FDS50B1M	H85, H95
5116122	KSEMP5600FDS56B1M	H85, H95
5116123	KSEMP5700FDS56B1M	H85, H95
5116124	KSEMP5715FDS56B1M	H85, H95
5116125	KSEMP5800FDS56B1M	H85, H95
5116126	KSEMP5900FDS56B1M	H85, H95
5116127	KSEMP6000FDS56B1M	H85, H95
5116128	KSEMP6033FDS56B1M	H85, H95
5116129	KSEMP6100FDS56B1M	H85, H95
5116130	KSEMP6200FDS56B1M	H85, H95
5116131	KSEMP6300FDS63B1M	H85, H95
5116132	KSEMP6350FDS63B1M	H85, H95
5116133	KSEMP6400FDS63B1M	H85, H95
5116134	KSEMP6500FDS63B1M	H85, H95
5116135	KSEMP6600FDS63B1M	H85, H95
5116136	KSEMP6668FDS63B1M	H85, H95
5116137	KSEMP6700FDS63B1M	H85, H95
5116138	KSEMP6800FDS63B1M	H85, H95
5116139	KSEMP6900FDS63B1M	H85, H95
5116140	KSEMP6985FDS63B1M	H85, H95
5116141	KSEMP7000FDS63B1M	H85, H95
5116887	B224A14200HP KCPK15	G54
5117311	B269A09800HP KCPK15	G69
5118324	DPA07T3D25 KCU40	H90
5118325	DPA09T4D32 KCU40	H90
5118326	DPA13T5D50 KCU40	H90
5118327	DFC040310D28HP KCU25	H90
5118328	DFC05T312D32HP KCU25	H90
5118329	DFC06T312D36HP KCU25	H90
5118450	DFC070416D45HP KCU25	H90
5118451	DFC090520D56HP KCU25	H90
5118452	DFC040310D28HP KCU40	H90
5118453	DFC05T312D32HP KCU40	H90
5118454	DFC06T312D36HP KCU40	H90
5118455	DFC070416D45HP KCU40	H90
5118456	DFC090520D56HP KCU40	H90
5118457	DFC040310D28MD KC7140	H90
5118458	DFC05T312D32MD KC7140	H90
5118459	DFC06T312D36MD KC7140	H90
5118460	DFC070416D45MD KC7140	H90
5118461	DFC090520D56MD KC7140	H90
5118592	B976F17500 KC7315	G145
5123821	KTIP2280HPM KCP15	H28
5124334	SDET120464SNGB KCPK30	T105, T112, U51
5124576	HSK63AAVS00B126MCLB	K79
5124577	HSK63AAVS0B143MCLB	K79
5124578	HSK63AAVS1B127MCLB	K79
5124579	HSK63AAVS2B139MCLB	K79
5124800	HSK63AAVS3B139MCLB	K79
5124801	KM40TSAVS00B111MCLB	K78
5124802	KM40TSAVS0B128MCLB	K78
5124803	KM40TSAVS1B112MCLB	K78
5124804	KM40TSAVS2B127MCLB	K78
5124805	KM50TSAVS00B117MCLB	K78
5124807	KM50TSAVS0B134MCLB	K78
5124808	KM50TSAVS1B118MCLB	K78
5124809	KM50TSAVS2B128MCLB	K78
5124810	KM50TSAVS3B128MCLB	K78
5124811	KM63TSAVS3B130MCLB	K78
5124812	KR32AVS00B099MCLB	K78
5124814	KR32AVS0B116MCLB	K78
5124816	KR32AVS1B100MCLB	K78
5124818	KR32AVS2B115MCLB	K78
5124820	KR32AVS3B115MCLB	K78
5124822	KRCSCFPR061Y	K81
5124823	KRCSCFPR062Y	K81
5124824	KRCSCFPR063Y	K81
5124825	KRCSCFPR061X	K81
5124826	KRCSCFPR062X	K81
5124827	KRCSCFPR063X	K81
5124828	KRCSCFPR061W	K81
5124829	KRCSCFPR062W	K81
5124850	KRCSCFPR063W	K81
5126960	RCMT2006M0UP KCPK05	E60
5127885	RIQ06R0400S KB1610	K54
5128566	C8FIX150608LRP KCU25	E12
5128598	C8FIX150612LRP KCP25	E12
5129621	B269A10400HP KCPK15	G69
5130229	B707A17900FBL KCMS15	G115
5131942	B269A03600HP KCPK15	G68
5132051	B978A03600 KC7315	G146
5133402	RMBE14000H6SF KC6305	K19
5133403	RMBE15000H6SF KC6305	K19
5133404	RMBE16000H6SF KC6305	K19
5133405	RMBE17000H6SF KC6305	K19
5133406	RMBE18000H6SF KC6305	K19
5133407	RMBE19000H6SF KC6305	K19
5133408	RMBE20000H6SF KC6305	K19
5133409	RMBE14000H6SF KC6005	K19
5133540	RMBE15000H6SF KC6005	K19
5133541	RMBE16000H6SF KC6005	K19
5133542	RMBE17000H6SF KC6005	K19
5133543	RMBE18000H6SF KC6005	K19
5133544	RMBE19000H6SF KC6005	K19
5133545	RMBE20000H6SF KC6005	K19
5133546	RMBE14000H6HF KC6305	K20
5133547	RMBE15000H6HF KC6305	K20
5133548	RMBE16000H6HF KC6305	K20
5133549	RMBE17000H6HF KC6305	K20
5133560	RMBE18000H6HF KC6305	K20
5133561	RMBE19000H6HF KC6305	K20
5133562	RMBE20000H6HF KC6305	K20
5133563	RMBE14000H6HF KC6005	K20
5133564	RMBE15000H6HF KC6005	K20
5133565	RMBE16000H6HF KC6005	K20
5133566	RMBE17000H6HF KC6005	K20
5133567	RMBE18000H6HF KC6005	K20
5133568	RMBE19000H6HF KC6005	K20
5133569	RMBE20000H6HF KC6005	K20
5133590	RHME14000KST115H6SF KC6305	K33
5133591	RHME14288KST115H6SF KC6305	K33
5133592	RHME15000KST115H6SF KC6305	K33
5133593	RHME16000KST135H6SF KC6305	K33
5133594	RHME17000KST135H6SF KC6305	K33
5133595	RHME17463KST135H6SF KC6305	K33
5133596	RHME18000KST155H6SF KC6305	K33
5133597	RHME19000KST155H6SF KC6305	K33
5133598	RHME19050KST155H6SF KC6305	K33
5133599	RHME20000KST175H6SF KC6305	K33
5133600	RHME21000KST175H6SF KC6305	K33
5133601	RHME22000KST175H6SF KC6305	K33
5133602	RHME22225KST175H6SF KC6305	K33
5133603	RHME23000KST200H6SF KC6305	K33
5133604	RHME23813KST200H6SF KC6305	K33
5133605	RHME24000KST200H6SF KC6305	K33
5133606	RHME25000KST200H6SF KC6305	K33
5133607	RHME25400KST200H6SF KC6305	K33
5133609	RHME26000KST200H6SF KC6305	K33
5133610	RHME27000KST200H6SF KC6305	K33
5133611	RHME28000KST250H6SF KC6305	K33
5133612	RHME30000KST250H6SF KC6305	K33
5133613	RHME31750KST250H6SF KC6305	K33
5133614	RHME32000KST250H6SF KC6305	K33
5133615	RHME34000KST300H6SF KC6305	K33
5133616	RHME36000KST300H6SF KC6305	K33
5133617	RHME38000KST350H6SF KC6305	K33
5133618	RHME40000KST350H6SF KC6305	K33
5133619	RHME42000KST350H6SF KC6305	K33
5133818	RHME14000KST115H6SF KC6005	K33
5133819	RHME14288KST115H6SF KC6005	K33
5133960	RHME15000KST115H6SF KC6005	K33
5133961	RHME16000KST135H6SF KC6005	K33
5133962	RHME17000KST135H6SF KC6005	K33
5133963	RHME17463KST135H6SF KC6005	K33
5133964	RHME18000KST155H6SF KC6005	K33
5133965	RHME19000KST155H6SF KC6005	K33
5133966	RHME19050KST155H6SF KC6005	K33
5133967	RHME20000KST175H6SF KC6005	K33
5133968	RHME21000KST175H6SF KC6005	K33
5133969	RHME22000KST175H6SF KC6005	K33
5133970	RHME22225KST175H6SF KC6005	K33
5133971	RHME23000KST200H6SF KC6005	K33
5133972	RHME23813KST200H6SF KC6005	K33
5133973	RHME24000KST200H6SF KC6005	K33
5133974	RHME25000KST200H6SF KC6005	K33
5133975	RHME25400KST200H6SF KC6005	K33
5133976	RHME26000KST200H6SF KC6005	K33
5133977	RHME27000KST200H6SF KC6005	K33
5133978	RHME28000KST250H6SF KC6005	K33
5133979	RHME30000KST250H6SF KC6005	K33
5133990	RHME31750KST250H6SF KC6005	K33
5133991	RHME32000KST250H6SF KC6005	K33
5133992	RHME34000KST300H6SF KC6005	K33
5133993	RHME36000KST300H6SF KC6005	K33
5133994	RHME38000KST350H6SF KC6005	K33
5133995	RHME40000KST350H6SF KC6005	K33
5133996	RHME42000KST350H6SF KC6005	K33
5133997	RHME14000KST115H6HF KC6305	K34
5133998	RHME14288KST115H6HF KC6305	K34
5133999	RHME15000KST115H6HF KC6305	K34
5134030	RHME16000KST135H6HF KC6305	K34
5134031	RHME17000KST135H6HF KC6305	K34
5134032	RHME17463KST135H6HF KC6305	K34
5134033	RHME18000KST155H6HF KC6305	K34
5134034	RHME19000KST155H6HF KC6305	K34
5134035	RHME19050KST155H6HF KC6305	K34
5134036	RHME20000KST175H6HF KC6305	K34
5134037	RHME21000KST175H6HF KC6305	K34
5134038	RHME22000KST175H6HF KC6305	K34
5134039	RHME22225KST175H6HF KC6305	K34
5134040	RHME23000KST200H6HF KC6305	K34
5134041	RHME23813KST200H6HF KC6305	K34
5134042	RHME24000KST200H6HF KC6305	K34
5134043	RHME25000KST200H6HF KC6305	K34
5134044	RHME25400KST200H6HF KC6305	K34
5134045	RHME26000KST200H6HF KC6305	K34
5134046	RHME27000KST200H6HF KC6305	K34
5134047	RHME28000KST250H6HF KC6305	K34
5134048	RHME30000KST250H6HF KC6305	K34
5134049	RHME31750KST250H6HF KC6305	K34
5134050	RHME32000KST250H6HF KC6305	K34
5134051	RHME34000KST300H6HF KC6305	K34
5134052	RHME36000KST300H6HF KC6305	K34
5134053	RHME38000KST350H6HF KC6305	K34
5134054	RHME40000KST350H6HF KC6305	K34
5134055	RHME42000KST350H6HF KC6305	K34
5134072	RHME14000KST115H6HF KC6005	K34
5134073	RHME14288KST115H6HF KC6005	K34
5134074	RHME15000KST115H6HF KC6005	K34
5134075	RHME16000KST135H6HF KC6005	K34
5134076	RHME17000KST135H6HF KC6005	K34
5134077	RHME17463KST135H6HF KC6005	K34
5134078	RHME18000KST155H6HF KC6005	K34
5134079	RHME19000KST155H6HF KC6005	K34
5134120	RHME19050KST155H6HF KC6005	K34
5134121	RHME20000KST175H6HF KC6005	K34
5134122	RHME21000KST175H6HF KC6005	K34
5134123	RHME22000KST175H6HF KC6005	K34
5134124	RHME22225KST175H6HF KC6005	K34
5134125	RHME23000KST200H6HF KC6005	K34
5134126	RHME23813KST200H6HF KC6005	K34
5134127	RHME24000KST200H6HF KC6005	K34
5134128	RHME25000KST200H6HF KC6005	K34
5134129	RHME25400KST200H6HF KC6005	K34
5134130	RHME26000KST200H6HF KC6005	K34
5134131	RHME27000KST200H6HF KC6005	K34
5134132	RHME28000KST250H6HF KC6005	K34
5134133	RHME30000KST250H6HF KC6005	K34
5134134	RHME31750KST250H6HF KC6005	K34
5134135	RHME32000KST250H6HF KC6005	K34
5134136	RHME34000KST300H6HF KC6005	K34
5134137	RHME36000KST300H6HF KC6005	K34
5134138	RHME38000KST350H6HF KC6005	K34
5134139	RHME40000KST350H6HF KC6005	K34
5134140	RHME42000KST350H6HF KC6005	K34
5134141	KGIP0125N0189GD KCU45	H76
5134143	KGEM1905R1WN20M	H76
5134145	KGEM1905R3WN20M	H76
5136359	A4R0405M04U00GUP KCU25	C92
5136407	A4R0605M06U00GUP KCU25	C92
5136420	A4R0600M06P00GUP KCU10	C94
5136423	A4R0805M08U00GUP KCU25	C92
5140368	B269A12200HP KCPK15	G70
5144597	A4R125I03P00GUP KCU25	C94
5144598	A4R187I04P00GUP KCU25	C94
5144599	A4R250I06P00GUP KCU25	C94
5144664	KSEM2262HPGM KC7315	H43
5144793	CNMG120412RP KCPK05	B53
5146918	A4R0305M03U00GUP KCU25	C94
5146919	A4R0505M05U00GUP KCU25	C94
5147210	A4R1005M10U00GUP KCU25	C94
5147211	A4R0300M03P00GUP KCU25	C94
5147212	A4R0400M04P00GUP KCU25	C94
5147213	A4R0500M05P00GUP KCU25	C94
5147214	A4R0600M06P00GUP KCU25	C94
5147215	A4R0800M08P00GUP KCU25	C94
5147216	A4R1000M10P00GUP KCU25	C94
5148480	KSEM1619HPGM KC7315	H42
5152563	RNGJ10T3M0FLDJ KC422M	V50
5152566	RNGJ10T3M0ELDJ KC725M	V50
5152600	RNGJ10T3M0SGDJ KC725M	V51
5152606	RNGJ1605M0ELDJ KC522M	V61
5152607	RNGJ1605M0ELDJ KC725M	V61
5152621	KDR25Z03M12RN10	V46
5152622	KDR32Z04M16RN10	V46
5152623	KDR35Z05M16RN10	V46
5152624	KDR40Z05M16RN10	V46
5152626	KDR25Z03B25RN10	V47
5152629	KDR25Z03A25RN10L150	V48
5152680	KDR25Z03A25RN10L200	V48

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5152681	KDR25Z03A32RN10L250	V48
5152683	KDR32Z04A32RN10L200	V48
5152684	KDR32Z03A32RN10L250	V48
5152685	KDR40Z04S16RN10	V49
5152686	KDR40Z06S16RN10	V49
5152687	KDR50Z05S22RN10	V49
5152688	KDR50Z06S22RN10	V49
5152689	KDR52Z06S22RN10	V49
5152690	KDR63Z07S22RN10	V49
5152691	KDR66Z07S27RN10	V49
5152692	KDR80Z08S27RN10	V49
5153837	KDR50Z04S22RN16	V60
5153838	KDR52Z04S22RN16	V60
5153839	KDR63Z04S22RN16	V60
5153890	KDR63Z06S22RN16	V60
5153891	KDR66Z05S27RN16	V60
5153892	KDR80Z05S27RN16	V60
5153893	KDR80Z07S27RN16	V60
5153894	KDR100Z06S32RN16	V60
5153895	KDR100Z08S32RN16	V60
5153897	KDR125Z08S40RN16	V60
5153898	KDR125Z10S40RN16	V60
5158428	RIQ09E1300 KC6305	K55
5159761	RIQ06R0500FT KT6315	K55
5161120	NA3L16 KCU10	D12
5161475	B978F14500 KC7315	G149
5169173	EDPT070308PDSRGE KC725M	T25
5169174	EDPT070308PDSRGE KC522M	T25
5169175	EDPT070308PDSRGE KCPK30	T25
5172862	RPPT1204M0SGDX KC725M	V74
5175059	B977F07100 KC7315	G144
5178669	B978F16000 KC7315	G149
5182481	KTIP1490HPM KCP15	H27
5182869	SNMG120412RN KCPK05	B101
5182893	SNMG150612RN KCPK05	B101
5189859	B269A08600HP KCPK15	G69
5190190	12A02R018A12ED07	T24
5190191	16A03R020A16ED07	T24
5190192	20A05R020A20ED07	T24
5190197	12A02R020M08ED07	T24
5201519	LS103	S126
5202233	SALS080	S126
5202234	SALS100	S126
5202235	SALS125	S126
5202236	SALS160	S126
5202514	SWSM515	S126
5211960	T630NC#06-32R2BX-D1 KP6525	M36
5211961	T630NC#08-32R2BX-D1 KP6525	M36
5211962	T630NC#10-24R2BX-D1 KP6525	M36
5211964	T630NC02500-20R3BX-D1 KP6525	M36
5211965	T630NC03125-18R3BX-D1 KP6525	M36
5211966	T630NC03750-16R3BX-D1 KP6525	M36
5211967	T630NC04375-14R3BX-D6 KP6525	M36
5211968	T630NC05000-13R3BX-D6 KP6525	M36
5211981	T630NF#06-40R2BX-D1 KP6525	M36
5211983	T630NF#10-32R2BX-D1 KP6525	M36
5211985	T630NF02500-28R3BX-D1 KP6525	M36
5211987	T630NF03125-24R3BX-D1 KP6525	M36
5211988	T630NF03750-24R3BX-D1 KP6525	M36
5211989	T630NF04375-20R3BX-D6 KP6525	M36
5211990	T630NF05000-20R3BX-D6 KP6525	M36
5211991	T631NC02500-20R3BX-D1 KP6525	M37
5211992	T631NC03125-18R3BX-D1 KP6525	M37
5211993	T631NC03750-16R3BX-D1 KP6525	M37
5211994	T631NC04375-14R3BX-D6 KP6525	M37
5211995	T631NC05000-13R3BX-D6 KP6525	M37
5211996	T631NF02500-28R3BX-D1 KP6525	M37
5211997	T631NF03125-24R3BX-D1 KP6525	M37
5211998	T631NF03750-24R3BX-D1 KP6525	M37
5211999	T631NF04375-20R3BX-D6 KP6525	M37
5212000	T631NF05000-20R3BX-D6 KP6525	M37
5212152	T620NC#06-32R2BX-D1 KP6525	M10
5212155	T620NC#08-32R2BX-D1 KP6525	M10
5212156	T620NC#10-24R2BX-D1 KP6525	M10
5212158	T620NC02500-20R3BX-D1 KP6525	M10
5212159	T620NC03125-18R3BX-D1 KP6525	M10
5212210	T620NC03750-16R3BX-D1 KP6525	M10
5212211	T620NC04375-14R3BX-D6 KP6525	M10
5212212	T620NC05000-13R3BX-D6 KP6525	M10
5212213	T620NF#06-40R2BX-D1 KP6525	M10
5212215	T620NF#10-32R2BX-D1 KP6525	M10
5212217	T620NF02500-28R3BX-D1 KP6525	M10
5212218	T620NF03125-24R3BX-D1 KP6525	M10
5212219	T620NF03750-24R3BX-D1 KP6525	M10
5212230	T620NF04375-20R3BX-D6 KP6525	M10
5212231	T620NF05000-20R3BX-D6 KP6525	M10
5212232	T621NC02500-20R3BX-D1 KP6525	M11
5212233	T621NC03125-18R3BX-D1 KP6525	M11
5212234	T621NC03750-16R3BX-D1 KP6525	M11
5212235	T621NC04375-14R3BX-D6 KP6525	M11
5212236	T621NC05000-13R3BX-D6 KP6525	M11
5212237	T621NF02500-28R3BX-D1 KP6525	M11
5212238	T621NF03125-24R3BX-D1 KP6525	M11
5212239	T621NF03750-24R3BX-D1 KP6525	M11
5212240	T621NF04375-20R3BX-D6 KP6525	M11
5212241	T621NF05000-20R3BX-D6 KP6525	M11
5212248	T640NC#06-32R2BX-D1 KP6525	M67
5212249	T640NC#08-32R2BX-D1 KP6525	M67
5212270	T640NC#10-24R2BX-D1 KP6525	M67
5212272	T640NC02500-20R3BX-D1 KP6525	M67
5212273	T640NC03125-18R3BX-D1 KP6525	M67
5212274	T640NC03750-16R3BX-D1 KP6525	M67
5212275	T640NC04375-14R3BX-D6 KP6525	M67
5212276	T640NC05000-13R3BX-D6 KP6525	M67
5212277	T640NF#06-40R2BX-D1 KP6525	M67
5212279	T640NF#10-32R2BX-D1 KP6525	M67
5212281	T640NF02500-28R3BX-D1 KP6525	M67
5212282	T640NF03125-24R3BX-D1 KP6525	M67
5212283	T640NF03750-24R3BX-D1 KP6525	M67
5212284	T640NF04375-20R3BX-D6 KP6525	M67
5212285	T640NF05000-20R3BX-D6 KP6525	M67
5212286	T641NC02500-20R3BX-D1 KP6525	M68
5212287	T641NC03125-18R3BX-D1 KP6525	M68
5212288	T641NC03750-16R3BX-D1 KP6525	M68
5212289	T641NC04375-14R3BX-D6 KP6525	M68
5212290	T641NC05000-13R3BX-D6 KP6525	M68
5212291	T641NF02500-28R3BX-D1 KP6525	M68
5212292	T641NF03125-24R3BX-D1 KP6525	M68
5212293	T641NF03750-24R3BX-D1 KP6525	M68
5212294	T641NF04375-20R3BX-D6 KP6525	M68
5212295	T641NF05000-20R3BX-D6 KP6525	M68
5214053	B269A03800HP KCPK15	G68
5274660	RNPJ10T3M0SGD KCPK30	V51
5274661	RNPJ10T3M0SGD KC522M	V51
5274663	RNPJ10T3M0SHD KCPK30	V51
5274665	RNPJ10T3M0SHD KCK15	V51
5274690	RNPJ1204M0SGD KCPK30	V58
5274691	RNPJ1204M0SGD KC522M	V58
5274693	RNPJ1204M0SHD KCPK30	V58
5274699	RNPJ1605M0SGD KCPK30	V61
5274720	RNPJ1605M0SGD KC725M	V61
5274721	RNPJ1605M0SGD KC522M	V61
5274722	RNPJ1605M0SHD KCPK30	V61
5274724	RNPJ1605M0SHD KCK15	V61
5274725	RNPJ1605M0SHD KC520M	V61
5276844	KEGT25L516PEERLDJ2 KC410M	T83
5309298	B977A16300 KC7315	G142
5314920	KTIP2110HPM KCP15	H28
5314951	B707A03800FBL KCMS15	G114
5324450	DCGR150404FP KCP25	E28
5324453	DCGR150404FP KCU10	E28
5324456	DCGR150408FP KCP10	E28
5324458	DCGR150408FP KCM25	E28
5324773	KCGR110304L08FP KCP10	E29
5324774	KCGR110304L08FP KCP25	E29
5324775	KCGR110304L08FP KCM25	E29
5324777	KCGR110304L08FP KCU25	E29
5324778	KCGR110304R08FP KCP10	E29
5324780	KCGR110304R08FP KCP25	E29
5324782	KCGR110304R08FP KCM25	E29
5324786	KCGR110308L08FP KCP10	E29
5324787	KCGR110308L08FP KCP25	E29
5324791	KCGR110308R08FP KCP10	E29
5324794	KCGR110308R08FP KCU10	E29
5324906	VBMR110302FP KCP25	E32
5324911	VBMR110304FP KCP10	E32
5324912	VBMR110304FP KCP25	E32
5324915	VBMR110304FP KCU25	E32
5324916	VBMR110308FP KCP10	E32
5324921	VBMR110308FP KCU10	E32
5324923	VCMR160404FP KCP10	E33
5324924	VCMR160404FP KCP25	E33
5324925	VCMR160404FP KCM25	E33
5324927	VCMR160404FP KCU10	E33
5324928	VCMR160404FP KCU25	E33
5324929	VCMR160408FP KCP10	E33
5324930	VCMR160408FP KCP25	E33
5324931	VCMR160408FP KCM25	E33
5324932	VCMR160408FP KCK05	E33
5327662	A4R0305M03U00GUP KCU10	C94
5327663	A4R0505M05U00GUP KCU10	C94
5327664	A4R1005M10U00GUP KCU10	C94
5327665	A4R0300M03P00GUP KCU10	C94
5327666	A4R1000M10P00GUP KCU10	C94
5327684	A4R125I03P00GUP KCU10	C94
5327686	A4R250I06P00GUP KCU10	C94
5327687	A4R312I08P00GUP KCU10	C94
5327912	VCGR160404HP K313	E35
5327919	VCGR160402FP KCP10	E35
5327936	VCGR160404FP KCP10	E35
5327937	VCGR160404FP KCP25	E35
5327938	VCGR160404FP KCM25	E35
5327940	VCGR160404FP KCU10	E35
5327942	VCGR160408FP KCP10	E35
5327943	VCGR160408FP KCP25	E35
5327944	VCGR160408FP KCM25	E35
5327945	VCGR160408FP KCK05	E35
5327948	VCGR160412FP KCP10	E35
5327949	VCGR160412FP KCP25	E35
5327961	VCGR160412FP KCK05	E35
5327965	VCGR160416FP KCP25	E35
5328738	DNGA150408S01225MT KBH20	B314
5329836	WNGA080404S01015MT KBH20	B324
5329837	WNGA080408S01015MT KBH20	B324
5329838	WNGA080408S01225MT KBH20	B324
5329839	WNGA080408S01735MT KBH20	B324
5330130	WNGA080408S01015FWMT KBH20	B323
5330131	CCGW060202S01225MT KBH20	B308
5330132	CCGW060204S01225MT KBH20	B308
5330133	CCGW09T302S01225MT KBH20	B308
5330134	CCGW09T304S01225MT KBH20	B308
5330135	CCGW09T304S01015MT KBH20	B308
5330136	CCGW09T304S01015FWMT KBH20	B308
5330137	CCGW09T308S01225MT KBH20	B308
5330138	CCGW09T308S01015MT KBH20	B308
5330139	CCGW09T308S01015FWMT KBH20	B308
5330140	CCGW120408S01015MT KBH20	B308
5330141	DCGW070202S01225MT KBH20	B312
5330142	DCGW070204S01225MT KBH20	B312
5330143	DCGW070204S01015MT KBH20	B312
5330144	DCGW11T302S01225MT KBH20	B312
5330145	DCGW11T304S01225MT KBH20	B312
5330146	DCGW11T304S01015MT KBH20	B312
5330147	DCGW11T308S01225MT KBH20	B312
5330148	DCGW11T308S01015MT KBH20	B312
5330149	DCGW11T308S01015FWMT KBH20	B312
5330150	TPGW110202S01015MT KBH20	B321
5330151	TPGW110204S01015MT KBH20	B321
5330152	TPGW110208S01015MT KBH20	B321
5330153	TCGW110202S01015MT KBH20	B319
5330154	TCGW110204S01015MT KBH20	B319
5330155	TCGW110208S01015MT KBH20	B319
5330156	TCGW090202S01015MT KBH20	B319
5330157	TCGW090204S01015 MT KBH20	B319
5330159	TPGW16T304S01015MT KBH20	B321
5330160	TPGW16T308S01225MT KBH20	B321
5330161	TPGW16T308S01015MT KBH20	B321
5330162	VBGW110304S01225MT KBH20	B322
5330163	VBGW110304S01015MT KBH20	B322

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5330164	VBGW160408S01015MT KBH20	B322
5330165	VBGW160412S01015MT KBH20	B322
5330166	VBGW110308S01225MT KBH20	B322
5330167	VCGW160404S01225MT KBH20	B322
5330168	VCGW160404S01015MT KBH20	B322
5330169	VCGW160408S01225MT KBH20	B322
5330180	VCGW160408S01015MT KBH20	B322
5330695	CNGA120404S01225MT KBH20	B310
5330696	CNGA120404S01015MT KBH20	B310
5330697	CNGA120404S01735MT KBH20	B310
5330698	CNGA120404S01015FWMT KBH20	B310
5330699	CNGA120408S01225MT KBH20	B310
5330830	CNGA120408S01015MT KBH20	B310
5330831	CNGA120408S01735MT KBH20	B310
5330832	CNGA120408S01015FWMT KBH20	B310
5330833	CNGA120412S01225MT KBH20	B310
5330834	CNGA120412S01015MT KBH20	B310
5330835	CNGA120412S01735MT KBH20	B310
5330836	CNGA120412S01015FWMT KBH20	B310
5330837	DNGA150404S01225MT KBH20	B314
5330838	DNGA150404S01015MT KBH20	B314
5330839	DNGA150404S01735MT KBH20	B314
5330840	DNGA150408S01015MT KBH20	B314
5330841	DNGA150408S01735MT KBH20	B314
5330842	DNGA150412S01225MT KBH20	B314
5330843	DNGA150412S01015MT KBH20	B314
5330844	DNGA150412S01735MT KBH20	B314
5330845	DNGA150408S01015FWMT KBH20	B313
5330846	DNGA150412S01015FWMT KBH20	B313
5330847	DNGA150604S01225MT KBH20	B314
5330848	DNGA150604S01015MT KBH20	B314
5330849	DNGA150604S01735MT KBH20	B314
5330850	DNGA150608S01225MT KBH20	B314
5330851	DNGA150608S01015MT KBH20	B314
5330852	DNGA150608S01735MT KBH20	B314
5330853	DNGA150612S01225MT KBH20	B314
5330854	DNGA150612S01015MT KBH20	B314
5330855	DNGA150612S01735MT KBH20	B314
5330856	SNGA120408S01225MT KBH20	B318
5330857	SNGA120412S01225MT KBH20	B318
5330858	TNGA160404S01225MT KBH20	B320
5330859	TNGA160404S01015MT KBH20	B320
5330860	TNGA160404S01735MT KBH20	B320
5330861	TNGA160408S01225MT KBH20	B320
5330862	TNGA160408S01015MT KBH20	B320
5330863	TNGA160408S01735MT KBH20	B320
5330864	TNGA160412S01225MT KBH20	B320
5330865	TNGA160412S01015MT KBH20	B320
5330866	TNGA160412S01735MT KBH20	B320
5330867	VNGA160404S01225MT KBH20	B323
5330868	VNGA160404S01015MT KBH20	B323
5330869	VNGA160404S01735MT KBH20	B323
5330870	VNGA160408S01225MT KBH20	B323
5330871	VNGA160408S01015MT KBH20	B323
5330872	VNGA160408S01735MT KBH20	B323
5330873	VNGA160412S01225MT KBH20	B323
5337754	KM4X100NEL3	D32
5337755	KM4X100NEL4	D32
5337756	KM4X100NEL5	D32
5337757	KM4X100NEL6	D32
5337758	KM4X100NER3	D32
5337759	KM4X100NER4	D32
5337770	KM4X100NER5	D32
5337771	KM4X100NER6	D32
5338057	KDR160Z12S40RN16	V60
5341813	KSEM3125HPGM KC7315	H43
5344687	F4AS1400ADL38 KCPM15	P16
5347999	EADE0380A4AQE KYS40	P176
5348060	EADE0400A4AQE KYS40	P176
5348061	EADE0570A4AQF KYS40	P176
5348062	EADE0600A4AQF KYS40	P176
5348063	EADE0760A4AQG KYS40	P176
5348064	EADE0800A4AQG KYS40	P176
5348065	EADE0950A4AQH KYS40	P176
5348066	EADE1000A4AQH KYS40	P176
5348067	EADE1140A4AQJ KYS40	P176
5348068	EADE1200A4AQJ KYS40	P176
5348069	EADE0400A6ARE KYS40	P177
5348070	EADE0600A6ARF KYS40	P177
5348071	EADE0800A6ARG KYS40	P177
5348072	EADE1000A6ARH KYS40	P177
5348073	EADE1200A6ARJ KYS40	P177
5348571	CNGM120408S01325MTCB1 KBH20	B310
5348572	CNGM120412S01325MTCB1 KBH20	B310
5348573	CNGM120404S01325MTCB1 KBH20	B310
5348574	DNGM150408S01325MTCB1 KBH20	B314
5348575	DNGM150412S01325MTCB1 KBH20	B314
5348576	DNGM150608S01325MTCB1 KBH20	B314
5348577	DNGM150612S01325MTCB1 KBH20	B314
5348579	TNGM160408S01325MTCB1 KBH20	B320
5348582	VNGM160408S01325MTCB1 KBH20	B323
5348583	VNGM160412S01325MTCB1 KBH20	B323
5348584	CCGM09T304S01325MTCB1 KBH20	B308
5348585	CCGM09T308S01325MTCB1 KBH20	B308
5348586	DCGM11T304S01325MTCB1 KBH20	B311
5350287	UJDE1000A6ARE KCSM15	P48
5350288	UJDE1000A6AS KCSM15	P48
5350289	UJDE1000A6AQE KCSM15	P49
5350320	UJDE1000A6AQG KCSM15	P49
5350321	UJDE1000A6AQK KCSM15	P49
5350322	UJDE1000A6AQM KCSM15	P49
5350323	UJDE1000A6ANS KCSM15	P49
5350324	UJDE1200A6ARF KCSM15	P48
5350325	UJDE1200A6AS KCSM15	P48
5350326	UJDE1200E6ARF KCSM15	P48
5350327	UJDE1200A6AQE KCSM15	P49
5350328	UJDE1200A6AQG KCSM15	P49
5350329	UJDE1200A6AQK KCSM15	P49
5350330	UJDE1200A6AQM KCSM15	P49
5350331	UJDE1200A6ANS KCSM15	P49
5350332	UJDE1200E6AQE KCSM15	P49
5350333	UJDE1200E6AQG KCSM15	P49
5350334	UJDE1200E6AQK KCSM15	P49
5350335	UJDE1200E6AQM KCSM15	P49
5350336	UJDE1400A6ARF KCSM15	P48
5350337	UJDE1400E6ARF KCSM15	P48
5350338	UJDE1400A6AS KCSM15	P48
5350339	UJDE1600A6ARF KCSM15	P48
5350340	UJDE1600E6ARF KCSM15	P48
5350341	UJDE1600A6AS KCSM15	P48
5350342	UJDE1600A6AQE KCSM15	P49
5350343	UJDE1600A6AQG KCSM15	P49
5350344	UJDE1600A6AQK KCSM15	P49
5350345	UJDE1600A6AQM KCSM15	P49
5350346	UJDE1600A6AQN KCSM15	P49
5350347	UJDE1600A6ANS KCSM15	P49
5350348	UJDE1600E6AQE KCSM15	P49
5350349	UJDE1600E6AQG KCSM15	P49
5350350	UJDE1600E6AQK KCSM15	P49
5350351	UJDE1600E6AQM KCSM15	P49
5350352	UJDE1600E6AQN KCSM15	P49
5350437	RIQ06E1306 KC6005	K55
5350613	UJDE2000A6ARF KCSM15	P48
5350615	UJDE2000E6ARF KCSM15	P48
5350616	UJDE2000A6AS KCSM15	P48
5350617	UJDE2000A6AQE KCSM15	P49
5350618	UJDE2000A6AQG KCSM15	P49
5350619	UJDE2000A6AQK KCSM15	P49
5350640	UJDE2000A6AQM KCSM15	P49
5350641	UJDE2000A6AQN KCSM15	P49
5350642	UJDE2000A6ANS KCSM15	P49
5350644	UJDE2000E6AQE KCSM15	P49
5350645	UJDE2000E6AQG KCSM15	P49
5350646	UJDE2000E6AQK KCSM15	P49
5350647	UJDE2000E6AQM KCSM15	P49
5350648	UJDE2000E6AQN KCSM15	P49
5350649	UJDE2500A6ARF KCSM15	P48
5350650	UJDE2500E6ARF KCSM15	P48
5350651	UJDE2500A6AS KCSM15	P48
5350652	UJDE2500A6AQE KCSM15	P49
5350653	UJDE2500A6AQG KCSM15	P49
5350654	UJDE2500A6AQK KCSM15	P49
5350655	UJDE2500A6AQM KCSM15	P49
5350656	UJDE2500A6AQN KCSM15	P49
5350658	UJDE2500E6AQE KCSM15	P49
5350659	UJDE2500E6AQG KCSM15	P49
5350660	UJDE2500E6AQK KCSM15	P49
5350661	UJDE2500E6AQM KCSM15	P49
5350662	UJDE2500E6AQN KCSM15	P49
5356982	UADE0600B4AL KCPM15	P20
5356983	UADE0800B4AL KCPM15	P20
5356984	UADE1000B4AL KCPM15	P20
5356985	UADE1200B4AL KCPM15	P20
5356986	UADE1600B4AL KCPM15	P20
5356987	UADE2000B4AL KCPM15	P20
5356988	UADE0600A4AL KCPM15	P20
5356989	UADE0800A4AL KCPM15	P20
5357000	UADE1000A4AL KCPM15	P20
5357001	UADE1200A4AL KCPM15	P20
5357002	UADE1600A4AL KCPM15	P20
5357003	UADE2000A4AL KCPM15	P20
5357041	RUDC0400B3BN KCPM15	P80
5357042	RUDC0500B3BN KCPM15	P80
5357043	RUDC0600B3BN KCPM15	P80
5357044	RUDC0800B3BN KCPM15	P80
5357045	RUDC1000B4BN KCPM15	P80
5357046	RUDC1200B4BN KCPM15	P80
5357047	RUDC1400B4BN KCPM15	P80
5357048	RUDC1600B4BN KCPM15	P80
5357049	RUDC1800B4BN KCPM15	P80
5357090	RUDC2000B4BN KCPM15	P80
5357091	RUDC2500B5BN KCPM15	P80
5357097	UBDE1200E4AQE KCSM15	P18
5357098	UBDE1200E4AQG KCSM15	P18
5357099	UBDE1200E4AQK KCSM15	P18
5357150	UBDE1200E4AQM KCSM15	P18
5357151	UBDE1200E4AQN KCSM15	P18
5357152	UBDE1600E4AQE KCSM15	P18
5357153	UBDE1600E4AQG KCSM15	P18
5357154	UBDE1600E4AQK KCSM15	P18
5357155	UBDE1600E4AQM KCSM15	P18
5357156	UBDE1600E4AQN KCSM15	P18
5357157	UBDE2000E4AQE KCSM15	P18
5357158	UBDE2000E4AQG KCSM15	P18
5357159	UBDE2000E4AQK KCSM15	P18
5357160	UBDE2000E4AQM KCSM15	P18
5357161	UBDE2000E4AQN KCSM15	P18
5357162	UBDE2500E4AQE KCSM15	P18
5357163	UBDE2500E4AQG KCSM15	P18
5357164	UBDE2500E4AQK KCSM15	P18
5357165	UBDE2500E4AQM KCSM15	P18
5357166	UBDE2500E4AQN KCSM15	P18
5358354	UDDE1200E5AQE KCSM15	P31
5358355	UDDE1200E5AQG KCSM15	P31
5358356	UDDE1200E5AQK KCSM15	P31
5358357	UDDE1200E5AQM KCSM15	P31
5358358	UDDE1600E5AQE KCSM15	P31
5358359	UDDE1600E5AQG KCSM15	P31
5358390	UDDE1600E5AQK KCSM15	P31
5358392	UDDE1600E5AQM KCSM15	P32
5358393	UDDE1600E5AQN KCSM15	P32
5358394	UDDE2000E5AQE KCSM15	P32
5358395	UDDE2000E5AQG KCSM15	P32
5358396	UDDE2000E5AQK KCSM15	P32
5358397	UDDE2000E5AQM KCSM15	P32
5358398	UDDE2000E5AQN KCSM15	P32
5358399	UDDE2500E5AQE KCSM15	P32
5358400	UDDE2500E5AQG KCSM15	P32
5358401	UDDE2500E5AQK KCSM15	P32
5358402	UDDE2500E5AQM KCSM15	P32
5358403	UDDE2500E5AQN KCSM15	P32
5358886	KSOM32Z03M160F06X	S46
5358887	KSOM40Z04M160F06X	S46
5358888	KSOM32Z03A320F06X	S47
5358889	KSOM40Z04OF06X	S48
5358930	KSOM50Z060F06X	S48
5358931	KSOM63Z070F06X	S48
5358932	KSOM80Z090F06X	S48
5362754	CCMT09T312MP KCU10	B177
5366566	B269A17100HP KCPK15	G70
5377581	B269A04700HP KCPK15	G68
5377582	B269A06100HP KCPK15	G69
5378294	B269A11200HP KCPK15	G69
5387230	CNMG120412FM KCP10B	B50
5387231	CNMG120412FM KCP25B	B50
5387540	DNMG150612CT KCP25B	B76
5387541	DNMG150612MN KCP25B	B78
5387542	DNMG150612RN KCP25B	B81
5387543	DNMG150612RP KCP25B	B81
5387544	DNMG150616RN KCP25B	B81
5387545	DNMG150616RP KCP25B	B81
5387547	DPMT11T308LF KCP25B	B215
5387550	SCMT09T304LF KCP25B	B230
5387551	SCMT09T308FP KCP25B	B230
5387553	SCMT09T308MF KCP25B	B231
5387554	SCMT09T308MP KCP25B	B231
5387555	SCMT09T312MF KCP25B	B231
5387556	SCMT120408FP KCP25B	B230
5387557	SCMT120408MF KCP25B	B231
5387558	SCMT120412LF KCP25B	B230
5387559	SCMT120412MF KCP25B	B231
5387563	SNMG120412RP KCP25B	B101
5387567	SNMG150612RP KCP25B	B101
5387571	SPMT09T308LF KCP25B	B238
5387575	TNMG160412RP KCP25B	B128
5387577	TNMG220416RP KCP25B	B128
5387579	TPMT110208LF KCP25B	B255
5387580	TPMT110208MF KCP25B	B255
5387581	TPMT16T308LF KCP25B	B255
5387584	VBMT160404FP KCP25B	B265
5387587	VBMT160408MP KCP25B	B265
5387588	VBMT160412FP KCP25B	B265
5387610	WNMG060408RN KCP25B	B159
5387611	WNMG080408MN KCP25B	B157
5387612	WNMG080408MW KCP25B	B158
5387614	WNMG080412MN KCP25B	B157
5387615	WNMG080412MW KCP25B	B158
5387616	WNMG080412RN KCP25B	B159
5387618	WNMG080416RN KCP25B	B159
5387627	CCMT09T304LF KCP25B	B177
5387628	CCMT09T308LF KCP25B	B177
5387629	CCMT09T308MF KCP25B	B177
5387661	CCMT120408MF KCP25B	B177
5387662	CNMG120408MN KCP25B	B50
5387663	CNMG120408MW KCP25B	B52
5387664	CNMG120408RN KCP25B	B53
5387665	CNMG120408RP KCP25B	B53
5387667	CNMG120412MN KCP25B	B50
5387668	CNMG120412RN KCP25B	B53
5387681	CNMG120416RN KCP25B	B53
5387688	CNMG190612MN KCP25B	B50
5387689	CNMG190612RN KCP25B	B53
5387691	CNMG190616RN KCP25B	B53
5387692	CNMM120412RM KCP25B	B55
5387693	CNMM120412RP KCP25B	B56
5387694	CNMM120416RP KCP25B	B56
5387695	CNMM160612RM KCP25B	B55
5387696	CNMM160616RP KCP25B	B56
5387697	CNMM190616RM KCP25B	B55
5387698	CNMM190624RH KCP25B	B55
5387699	CNMM190624RM KCP25B	B55
5387727	DCMT11T308LF KCP25B	B207
5387729	DCMT11T312MF KCP25B	B208
5387732	DNMG150408MN KCP25B	B78
5387733	DNMG150408RN KCP25B	B81
5387737	DNMG150608MN KCP25B	B78
5387753	CNMG120408FN KCK15B	B49

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5387754	VNMG160408FN KCK15B	B145
5387755	CNMG120408MW KCK15B	B52
5387801	CNMG120412UN KCK15B	B54
5387802	CNMG120408UN KCK15B	B54
5387804	TNMG160408UN KCK15B	B128
5387805	SNMG120412UN KCK15B	B102
5387806	RNMG120400UN KCK15B	B94
5387807	TNMG160412UN KCK15B	B128
5387808	WNMG080408UN KCK15B	B160
5387809	WNMG080416UN KCK15B	B160
5387810	DNMG110408UN KCK15B	B82
5387811	CNMG160616UN KCK15B	B54
5387812	DNMG150616UN KCK15B	B82
5387851	DNMG150616RP KCP10B	B81
5387853	DPMT11T308LF KCP10B	B215
5387856	SCMT09T304LF KCP10B	B230
5387858	SCMT09T308MF KCP10B	B231
5387864	SCMT120412LF KCP10B	B230
5387874	SNMG120412RP KCP10B	B101
5387882	SNMG150612RP KCP10B	B101
5387884	SPMT09T308LF KCP10B	B238
5387896	TNMG160412RP KCP10B	B128
5387901	TNMG220432RP KCP10B	B128
5387903	TPMT110208LF KCP10B	B255
5387905	TPMT16T308LF KCP10B	B255
5387907	VBMT160404FP KCP10B	B265
5387910	VBMT160412FP KCP10B	B265
5387915	WNMG080408RP KCP10B	B159
5387919	WNMG080412RP KCP10B	B159
5388031	CCMT09T304LF KCP10B	B177
5388032	CCMT09T308LF KCP10B	B177
5388033	CCMT09T308MF KCP10B	B177
5388035	CCMT120408MF KCP10B	B177
5388036	CNMG120408MN KCP10B	B50
5388037	CNMG120408MW KCP10B	B52
5388038	CNMG120408RN KCP10B	B53
5388039	CNMG120408RP KCP10B	B53
5388061	CNMG120412MN KCP10B	B50
5388062	CNMG120412RN KCP10B	B53
5388064	CNMG120416RN KCP10B	B53
5388082	CNMG190612RN KCP10B	B53
5388084	CNMG190616RN KCP10B	B53
5388085	CNMM120412RM KCP10B	B55
5388086	CNMM120412RP KCP10B	B56
5388088	CNMM160612RM KCP10B	B55
5388089	CNMM160616RP KCP10B	B56
5388090	CNMM190616RM KCP10B	B55
5388095	DCMT11T308LF KCP10B	B207
5388097	DCMT11T312MF KCP10B	B208
5388111	DNMG150408MN KCP10B	B78
5388112	DNMG150408RN KCP10B	B81
5388116	DNMG150608FN KCP10B	B77
5388117	DNMG150608MN KCP10B	B78
5393242	CNMG120408RN KCK15B	B53
5393244	CNMG120408RN KCP40B	B53
5396014	KF2X63Z05S22WO09	V40
5396015	KF2X66Z06S22WO09	V40
5397385	KSEM1270HPGM KCPM45	H45
5397386	KSEM1293HPGM KCPM45	H45
5397387	KSEM1400HPGM KCPM45	H45
5397388	KSEM1429HPGM KCPM45	H45
5397389	KSEM1609HPGM KCPM45	H45
5397470	KSEM1620HPGM KCPM45	H45
5397471	KSEM1667HPGM KCPM45	H45
5397473	KSEM1746HPGM KCPM45	H45
5397474	KSEM1800HPGM KCPM45	H45
5397475	KSEM1826HPGM KCPM45	H45
5397476	KSEM1900HPGM KCPM45	H45
5397477	KSEM1920HPGM KCPM45	H45
5397478	KSEM1905HPGM KCPM45	H45
5397479	KSEM1925HPGM KCPM45	H45
5397480	KSEM1927HPGM KCPM45	H45
5397481	KSEM1950HPGM KCPM45	H45
5397482	KSEM1984HPGM KCPM45	H45
5397483	KSEM2000HPGM KCPM45	H45
5397484	KSEM2064HPGM KCPM45	H45
5397485	KSEM2100HPGM KCPM45	H45
5397486	KSEM2200HPGM KCPM45	H45
5397487	KSEM2223HPGM KCPM45	H45
5397488	KSEM2300HPGM KCPM45	H45
5397489	KSEM2381HPGM KCPM45	H45
5397490	KSEM2400HPGM KCPM45	H45
5397491	KSEM2500HPGM KCPM45	H46
5397492	KSEM2540HPGM KCPM45	H46
5397493	KSEM2560HPGM KCPM45	H46
5397494	KSEM2565HPGM KCPM45	H46
5397495	KSEM2567HPGM KCPM45	H46
5397496	KSEM2581HPGM KCPM45	H46
5397497	KSEM2600HPGM KCPM45	H46
5397498	KSEM2619HPGM KCPM45	H46
5397499	KSEM2700HPGM KCPM45	H46
5397500	KSEM2800HPGM KCPM45	H46
5397501	KSEM2858HPGM KCPM45	H46
5397502	KSEM3000HPGM KCPM45	H46
5397503	KSEM3016HPGM KCPM45	H46
5397504	KSEM3175HPGM KCPM45	H46
5397505	KSEM3200HPGM KCPM45	H46
5397506	KSEM3300HPGM KCPM45	H46
5397507	KSEM3334HPGM KCPM45	H46
5397508	KSEM3600HPGM KCPM45	H46
5397509	KSEM3810HPGM KCPM45	H46
5397510	KSEM4000HPGM KCPM45	H46
5397513	KSEMP7200FDS71A1M	H82, H92, H99
5397514	KSEMP7400FDS71A1M	H82, H92, H99
5397515	KSEMP7600FDS71A1M	H82, H93, H99
5397516	KSEMP7620FDS71A1M	H82, H93, H99
5397517	KSEMP7800FDS71A1M	H82, H93, H99
5397518	KSEMP8000FDS80A1M	H82, H93, H99
5397519	KSEMP8200FDS80A1M	H82, H93, H99
5397550	KSEMP8255FDS80A1M	H82, H93, H99
5397551	KSEMP8400FDS80A1M	H82, H93, H99
5397552	KSEMP8600FDS80A1M	H82, H93, H99
5397553	KSEMP8800FDS80A1M	H82, H93, H99
5397554	KSEMP8890FDS80A1M	H82, H93, H99
5397555	KSEMP9000FDS90A1M	H82, H93, H99
5397556	KSEMP9200FDS90A1M	H82, H93, H99
5397557	KSEMP9400FDS90A1M	H82, H93, H99
5397558	KSEMP9525FDS90A1M	H82, H93, H99
5397559	KSEMP9600FDS90A1M	H82, H93, H99
5397560	KSEMP9800FDS90A1M	H82, H93, H99
5397561	KSEMP10160FDS90A1M	H82, H93, H99
5397562	KSEMP7620FDS71B1M	H86, H95
5397563	KSEMP8255FDS80B1M	H86, H96
5397564	KSEMP8890FDS80B1M	H86, H96
5397565	KSEMP9525FDS90B1M	H86, H96
5397566	KSEMP10160FDS90B1M	H86, H96
5397942	WD50FDS71292M	H102
5397943	WD50FDS71452M	H103
5397944	WD50FDS80327M	H102
5397945	WD50FDS80507M	H103
5397946	WD50FDS90362M	H102
5397947	WD50FDS90562M	H103
5400814	B272Z06400HPS KN25	G76
5402877	SNMG120412MR KCM25	B99
5402879	SNMG120412MR KCP10B	B99
5402920	SNMG120412MR KCP25B	B99
5402924	TNMG160408MR KCM25	B126
5402926	TNMG160408MR KCP10B	B126
5402927	TNMG160408MR KCP25B	B126
5402930	TNMG160412MR KCP10B	B126
5402931	TNMG160412MR KCP25B	B126
5402932	TNMG160412MR KCK15B	B126
5402935	WNMG080408MR KCM25	B157
5402936	WNMG080408MR KCM35	B157
5402937	WNMG080408MR KCP10B	B157
5402938	WNMG080408MR KCP25B	B157
5402960	WNMG080408MR KCK15B	B157
5402963	WNMG080412MR KCM35	B157
5402964	WNMG080412MR KCP10B	B157
5402965	WNMG080412MR KCP25B	B157
5402966	DNMG150408MR KCM15	B80
5402969	DNMG150408MR KCP10B	B80
5402980	DNMG150408MR KCP25B	B80
5402983	DNMG150608MR KCM25	B80
5402985	DNMG150608MR KCP10B	B80
5402986	DNMG150608MR KCP25B	B80
5402987	DNMG150608MR KCK15B	B80
5402990	DNMG150412MR KCP10B	B80
5402995	DNMG150616MR KCP25B	B80
5403016	CNMG120408MR KCM15	B51
5403017	CNMG120408MR KCM25	B51
5403018	CNMG120408MR KCM35	B51
5403019	CNMG120408MR KCP10B	B51
5403090	CNMG120408MR KCP25B	B51
5403091	CNMG120408MR KCP40	B51
5403092	CNMG120408MR KCK15B	B51
5403093	CNMG120412MR KCM15	B51
5403094	CNMG120412MR KCM25	B51
5403095	CNMG120412MR KCM35	B51
5403096	CNMG120412MR KCP10B	B51
5403097	CNMG120412MR KCP25B	B51
5403099	CNMG120412MR KCK15B	B51
5403103	CNMG160612MR KCP10B	B51
5403104	CNMG160612MR KCP25B	B51
5403105	CNMG160612MR KCP40	B51
5403108	CNMG120416MR KCP10B	B51
5403112	CNMG160616MR KCP10B	B51
5403113	CNMG160616MR KCP25B	B51
5403116	CNMG190612MR KCM25	B51
5403119	CNMG190612MR KCP25B	B51
5405652	PSC50KGMER65C	C65, C135
5405653	PSC50KGMEL65C	C65, C135
5405654	PSC50KGMSR65C	C64, C134
5405655	PSC50KGMSL65C	C64, C134
5406563	170.365	H99
5408657	KGEM1588R1WN20M	H76
5413058	CNMG120416UN KCK15B	B54
5413059	CNMM250924RH KCP25B	B55
5413170	CCMT09T312MF KCP25B	B177
5413171	CNMG120412CT KCP10B	B48
5413172	CNMG120412CT KCP25B	B48
5413173	CNMG120412MW KCK15B	B52
5413174	CNMG120412RP KCP10B	B53
5413175	CNMG120412RP KCP25B	B53
5413176	CNMG120416RP KCP10B	B53
5413177	CNMG120416RP KCP25B	B53
5413178	CNMG160612MN KCP10B	B50
5413179	CNMG160612MN KCP25B	B50
5413180	CNMG160612RP KCP10B	B53
5413181	CNMG160612RP KCP25B	B53
5413182	CNMG160616RP KCP10B	B53
5413183	CNMG160616RP KCP25B	B53
5413184	CPMT060208MP KCP25B	B190
5413185	CPMT09T308LF KCP10B	B190
5413186	CPMT09T308LF KCP25B	B190
5413187	CPMT09T308MF KCP10B	B190
5413188	CPMT09T308MF KCP25B	B190
5413189	CPMT09T308MP KCP25B	B190
5413190	DCMT11T308MF KCP10B	B208
5413191	DCMT11T308MF KCP25B	B208
5413193	DNMG110412MN KCP25B	B78
5413194	DNMG150404CT KCP25B	B76
5413195	DNMG150412RP KCP10B	B81
5413196	DNMG150412RP KCP25B	B81
5413197	DNMG150608RP KCP10B	B81
5413198	DNMG150608RP KCP25B	B81
5413199	DNMG150612CT KCP10B	B76
5413200	DNMG150612MN KCP10B	B78
5413201	DNMG150612RN KCP10B	B81
5413202	DNMG150612RP KCP10B	B81
5413203	SNMG120412RP KCK15B	B101
5413205	VNMG160412RP KCK15B	B147
5413206	WNMG080408RP KCP25B	B159
5413207	WNMG080412RP KCP25B	B159
5413208	WNMG080416RP KCP25B	B159
5413209	DNMM150616RP KCP10B	B83
5413210	CNMM250924RM KCP25B	B55
5413211	SNMM250724RH KCP25B	B102
5413212	SNMM250924RH KCP25B	B102
5413242	SCMT09T308LF KCP10B	B230
5413249	TNMG160408FN KCP10B	B124
5413250	TNMG160408MN KCP10B	B125
5413251	TNMG160412FN KCP10B	B124
5413255	VBMT110304LF KCP10B	B265
5413256	VBMT160404LF KCP10B	B265
5413257	VBMT160408LF KCP10B	B265
5413260	WNMG080408MN KCP10B	B157
5413261	WNMG080408MW KCP10B	B158
5413263	WNMG080412MW KCP10B	B158
5413269	SCMT09T308LF KCP25B	B230
5413276	SNMM190616RM KCP25B	B103
5413277	TNMG160408MN KCP25B	B125
5413291	VBMT110304LF KCP25B	B265
5413292	VBMT160404LF KCP25B	B265
5413293	VBMT160408LF KCP25B	B265
5413746	RNPJ10T3M0SHD KC725M	V51
5413747	RNPJ1204M0SGD KC725M	V58
5413748	RNPJ1204M0SHD KC725M	V58
5413749	RNPJ1605M0SHD KC725M	V61
5414455	ABDE1000A3ARG K600	P112
5414456	ABDE1000A3ARK K600	P112
5414458	ABDE1000A3ARN K600	P112
5414459	ABDE1200A3ARG K600	P112
5414470	ABDE1200A3ARK K600	P112
5414471	ABDE1200A3ARM K600	P112
5414473	ABDE1200A3ARN K600	P112
5414474	ABDE1600A3ARN K600	P113
5414475	ABDE1600A3ARN K600	P113
5414476	ABDE2000A3ARG K600	P113
5414477	ABDE2000A3ARK K600	P113
5414478	ABDE2000A3ARN K600	P113
5414479	ABDE2500A3ARE K600	P113
5414480	ABDE2500A3ARG K600	P113
5414481	ABDE2500A3ARK K600	P113
5414482	ABDE2500A3ARN K600	P113
5414483	ABDE2500A3ARM K600	P113
5415049	RIQ06EGR06 KD1415	K56
5417205	T820M020X040R6H-D1 KSP32	M14
5417206	T820M020X040R6H-D1 KSP39	M14
5417207	T820M020X040R6G-D1 KSP39	M14
5417208	T820M025X045R6H-D1 KSP39	M14
5417209	T820M025X045R6G-D1 KSP39	M14
5417220	T820M030X050R6H-D1 KSP32	M14
5417221	T820M030X050R6H-D1 KSP39	M14
5417222	T820M030X050R6G-D1 KSP39	M14
5417223	T820M035X060R6H-D1 KSP39	M14
5417224	T820M040X070R6H-D1 KSP32	M14
5417225	T820M040X070R6H-D1 KSP39	M14
5417226	T820MF040X050R6H-D4 KSP39	M14
5417227	T820M040X070R6G-D1 KSP39	M14
5417228	T820M050X080R6H-D1 KSP32	M14
5417229	T820M050X080R6H-D1 KSP39	M14
5417230	T820MF050X050R6H-D4 KSP39	M14
5417231	T820M050X080R6G-D1 KSP39	M14
5417232	T820M060X100R6H-D1 KSP32	M14
5417233	T820M060X100R6H-D1 KSP39	M14
5417234	T820MF060X050R6H-D4 KSP39	M14
5417235	T820MF060X075R6H-D4 KSP39	M14
5417236	T820M060X100R6G-D1 KSP39	M14
5417237	T820M070X100R6H-D1 KSP32	M14
5417238	T820M070X100R6H-D1 KSP39	M14
5417239	T820M070X100R6G-D1 KSP39	M14
5417240	T820M080X125R6H-D1 KSP32	M14
5417241	T820M080X125R6H-D1 KSP39	M14
5417242	T820MF080X100R6H-D4 KSP39	M14
5417243	T820M080X125R6G-D1 KSP39	M14
5417244	T820M100X150R6H-D1 KSP32	M14
5417245	T820M100X150R6H-D1 KSP39	M14
5417246	T820MF100X125R6H-D4 KSP39	M14
5417247	T820M100X150R6G-D1 KSP39	M14
5417248	T820M060X100R6H-D6 KSP39	M14
5417249	T820M080X125R6H-D6 KSP39	M14
5417250	T820M100X150R6H-D6 KSP39	M14
5417251	T820M120X175R6H-D6 KSP32	M15
5417252	T820M120X175R6H-D6 KSP39	M15
5417253	T820MF120X125R6H-D4 KSP39	M14
5417254	T820MF120X150R6H-D4 KSP39	M14
5417255	T820M120X175R6G-D6 KSP39	M15
5417256	T820M140X200R6H-D6 KSP32	M15
5417257	T820M140X200R6H-D6 KSP39	M15
5417258	T820MF140X125R6H-D4 KSP39	M15
5417259	T820MF140X150R6H-D4 KSP39	M15
5417260	T820M140X200R6G-D6 KSP39	M15
5417261	T820M160X200R6H-D6 KSP32	M15
5417262	T820M160X200R6H-D6 KSP39	M15
5417263	T820MF160X150R6H-D4 KSP39	M15
5417264	T820M160X200R6G-D6 KSP39	M15
5417265	T820M180X250R6H-D6 KSP32	M15
5417266	T820M180X250R6H-D6 KSP39	M15
5417267	T820MF180X150R6H-D4 KSP39	M15
5417268	T820M200X250R6H-D6 KSP32	M15
5417269	T820M200X250R6H-D6 KSP39	M15
5417270	T820M220X250R6H-D6 KSP39	M15
5417271	T820M240X300R6H-D6 KSP39	M15
5417272	T820M270X300R6H-D6 KSP39	M15
5417273	T820M300X350R6H-D6 KSP39	M15
5417274	T820M330X350R6H-D6 KSP39	M15
5417275	T820M360X400R6H-D6 KSP39	M15

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5417276	T830M020X040R6H-D1 KSP39	M40
5417277	T830M020X040R6G-D1 KSP39	M40
5417278	T830M025X045R6H-D1 KSP39	M40
5417279	T830M025X045R6G-D1 KSP39	M40
5417280	T830M030X050R6H-D1 KSP32	M40
5417281	T830M030X050R6H-D1 KSP39	M40
5417282	T830M030X050R6G-D1 KSP39	M40
5417283	T830M035X060R6H-D1 KSP39	M40
5417284	T830M040X070R6H-D1 KSP32	M40
5417285	T830M040X070R6H-D1 KSP39	M40
5417286	T830M040X070R6G-D1 KSP39	M40
5417287	T830M050X080R6H-D1 KSP32	M40
5417288	T830M050X080R6H-D1 KSP39	M40
5417289	T830M050X080R6G-D1 KSP39	M40
5417290	T830M060X100R6H-D1 KSP32	M40
5417291	T830M060X100R6H-D1 KSP39	M40
5417292	T830M060X100R6G-D1 KSP39	M40
5417293	T830M070X100R6H-D1 KSP39	M40
5417294	T830M080X125R6H-D1 KSP32	M40
5417295	T830M080X125R6H-D1 KSP39	M40
5417296	T830MF080X100R6H-D4 KSP32	M40
5417297	T830MF080X100R6H-D4 KSP39	M40
5417298	T830M080X125R6G-D1 KSP39	M40
5417299	T830M100X150R6H-D1 KSP32	M40
5417300	T830M100X150R6H-D1 KSP39	M40
5417301	T830MF100X125R6H-D4 KSP32	M40
5417302	T830MF100X125R6H-D4 KSP39	M40
5417303	T830M100X150R6G-D1 KSP39	M40
5417304	T830M060X100R6H-D6 KSP39	M40
5417305	T830M080X125R6H-D6 KSP39	M40
5417306	T830M100X150R6H-D6 KSP39	M40
5417307	T830M120X175R6H-D6 KSP32	M40
5417308	T830M120X175R6H-D6 KSP39	M40
5417309	T830MF120X125R6H-D4 KSP39	M40
5417310	T830MF120X150R6H-D4 KSP32	M40
5417311	T830MF120X150R6H-D4 KSP39	M40
5417312	T830M120X175R6G-D6 KSP39	M40
5417313	T830M140X200R6H-D6 KSP32	M41
5417314	T830M140X200R6H-D6 KSP39	M41
5417315	T830MF140X150R6H-D4 KSP32	M41
5417316	T830MF140X150R6H-D4 KSP39	M41
5417317	T830M140X200R6G-D6 KSP39	M41
5417318	T830M160X200R6H-D6 KSP39	M41
5417319	T830MF160X150R6H-D4 KSP39	M41
5417330	T830M160X200R6G-D6 KSP39	M41
5417331	T830M180X250R6H-D6 KSP39	M41
5417332	T830MF180X150R6H-D4 KSP39	M41
5417333	T830M200X250R6H-D6 KSP39	M41
5417334	T830M220X250R6H-D6 KSP39	M41
5417335	T830M240X300R6H-D6 KSP39	M41
5417336	T830M270X300R6H-D6 KSP39	M41
5417337	T830M300X350R6H-D6 KSP39	M41
5417338	T830M330X350R6H-D6 KSP39	M41
5417339	T830M360X400R6H-D6 KSP39	M41
5417350	T820M030X050R6H-J KSU31	M18
5417351	T820M030X050R6H-J KSU30	M18
5417352	T820M040X070R6H-J KSU31	M18
5417353	T820M040X070R6H-J KSU30	M18
5417354	T820M050X080R6H-J KSU31	M18
5417355	T820M050X080R6H-J KSU30	M18
5417356	T820M060X100R6H-J KSU31	M18
5417357	T832M030X050R6H-D1 KSP32	M42
5417358	T820M060X100R6H-J KSU30	M18
5417359	T832M030X050R6H-D1 KSP39	M42
5417370	T820M080X125R6H-J KSU31	M18
5417371	T832M040X070R6H-D1 KSP32	M42
5417372	T820M080X125R6H-J KSU30	M18
5417373	T832M040X070R6H-D1 KSP39	M42
5417374	T820M100X150R6H-J KSU31	M18
5417375	T832M050X080R6H-D1 KSP32	M42
5417376	T820M100X150R6H-J KSU30	M18
5417377	T832M050X080R6H-D1 KSP39	M42
5417378	T820M120X175R6H-J KSU30	M18
5417379	T832M060X100R6H-D1 KSP32	M42
5417380	T820MF120X125R6H-J KSU30	M18
5417381	T832M060X100R6H-D1 KSP39	M42
5417382	T820MF120X150R6H-J KSU30	M18
5417383	T832M080X125R6H-D1 KSP32	M42
5417384	T820M140X200R6H-J KSU30	M18
5417385	T832M080X125R6H-D1 KSP39	M42
5417386	T820MF140X150R6H-J KSU30	M18
5417387	T832MF080X100R6H-D4 KSP32	M42
5417388	T820M160X200R6H-J KSU30	M18
5417389	T832MF080X100R6H-D4 KSP39	M42
5417390	T820MF160X150R6H-J KSU30	M18
5417391	T832M100X150R6H-D1 KSP32	M42
5417392	T820M180X250R6H-J KSU30	M18
5417393	T832M100X150R6H-D1 KSP39	M42
5417394	T820M200X250R6H-J KSU30	M18
5417395	T832MF100X125R6H-D4 KSP32	M42
5417396	T832MF100X125R6H-D4 KSP39	M42
5417397	T832M120X175R6H-D6 KSP32	M42
5417398	T832M120X175R6H-D6 KSP39	M42
5417399	T832MF120X150R6H-D4 KSP32	M42
5417400	T832MF120X150R6H-D4 KSP39	M42
5417401	T832M140X200R6H-D6 KSP32	M42
5417402	T832M140X200R6H-D6 KSP39	M42
5417403	T832MF140X150R6H-D4 KSP32	M42
5417404	T832MF140X150R6H-D4 KSP39	M42
5417405	T832M160X200R6H-D6 KSP39	M42
5417406	T832M180X250R6H-D6 KSP32	M42
5417407	T832M180X250R6H-D6 KSP39	M42
5417408	T832M200X250R6H-D6 KSP32	M42
5417409	T832M200X250R6H-D6 KSP39	M42
5417410	T830M030X050R6H-J KSU31	M50
5417411	T830M030X050R6H-J KSU30	M50
5417412	T830M040X070R6H-J KSU31	M50
5417413	T830M040X070R6H-J KSU30	M50
5417414	T830M050X080R6H-J KSU31	M50
5417415	T830M050X080R6H-J KSU30	M50
5417416	T830M060X100R6H-J KSU31	M50
5417417	T830M060X100R6H-J KSU30	M50
5417418	T830M080X125R6H-J KSU30	M50
5417419	T830M080X125R6H-J KSU31	M50
5417420	T830M100X150R6H-J KSU30	M50
5417421	T830M100X150R6H-J KSU31	M50
5417422	T830M120X175R6H-J KSU30	M50
5417423	T830MF120X125R6H-J KSU30	M50
5417424	T830MF120X150R6H-J KSU30	M50
5417425	T830MF140X150R6H-J KSU30	M50
5417426	T830M140X200R6H-J KSU30	M50
5417427	T830MF160X150R6H-J KSU30	M50
5417428	T830M160X200R6H-J KSU30	M50
5417429	T830M180X250R6H-J KSU30	M50
5417430	T830M200X250R6H-J KSU30	M50
5418689	SNHJ120616ENLD KC520M	S63
5418800	SNHJ120616ENLD KC725M	S63
5418801	SNHJ120616ENLD KCK15	S63
5418802	SNHJ120616ENLD KCPK30	S63
5418803	SNHJ120608ENLD KC520M	S63
5418804	SNHJ120608ENLD KC725M	S63
5418805	SNHJ120608ENLD KCK15	S63
5418806	SNHJ120608ENLD KCPK30	S63
5418807	SNHJ10T308ENLD KC520M	S61
5418808	SNHJ10T308ENLD KC725M	S61
5418809	SNHJ10T308ENLD KCK15	S61
5418810	SNHJ10T308ENLD KCPK30	S61
5418811	SNHJ10T312ENLD KC725M	S61
5418812	SNHJ10T312ENLD KCK15	S61
5419993	SNPF120412SNGP KCK15	S105
5419998	KSSM87D050Z05SN12	S62
5420110	KSSM87D063Z05SN12	S62
5420111	KSSM87D063Z07SN12	S62
5420112	KSSM87D080Z07SN12	S62
5420113	KSSM87D080Z09SN12	S62
5420114	KSSM87D100Z08SN12	S62
5420115	KSSM87D100Z11SN12	S62
5420116	KSSM87D125Z09SN12	S62
5420117	KSSM87D125Z14SN12	S62
5420118	KSSM87D160Z12SN12	S62
5420163	KSSM88D050Z05SN10	S60
5420164	KSSM88D050Z06SN10	S60
5420165	KSSM88D063Z05SN10	S60
5420166	KSSM88D063Z07SN10	S60
5420167	KSSM88D080Z07SN10	S60
5420168	KSSM88D080Z09SN10	S60
5420169	KSSM88D100Z08SN10	S60
5420250	KSSM88D100Z11SN10	S60
5420672	B551A04763DAL KN15	G108
5420673	B551A06350DAL KN15	G108
5420674	B551A07938DAL KN15	G108
5420675	B551A09525DAL KN15	G108
5420676	B551A11113DAL KN15	G108
5420677	B551A12700DAL KN15	G108
5420678	B551A14288DAL KN15	G108
5420679	B551A15875DAL KN15	G108
5420800	B556A04763DAL KN15	G108
5420801	B556A04826DAL KN15	G108
5420802	B556A06350DAL KN15	G108
5420803	B556A06375DAL KN15	G108
5420804	B556A07938DAL KN15	G108
5420805	B556A09525DAL KN15	G108
5420806	B556A11113DAL KN15	G108
5420807	B556A12700DAL KN15	G108
5420808	B556A14288DAL KN15	G108
5420809	B556A15875DAL KN15	G108
5420832	HNGX090530MCI KCK15	S91, S97
5420836	SNXF120412ENLD KCK15	S104
5420837	SNXF1204ZNENLD KCK15	S104
5420838	SNXF120412SNGP KCK15	S104
5420839	SNXF1204ZNSNGP KCK15	S104
5420840	SNXF120412SNHE KCK15	S104
5420841	SNXF1204ZNSNHE KCK15	S104
5420842	XNXF1204ZNENLDW KCK15	S106
5424912	WNMG080408RN KCP25B	B159
5425545	CNMG160612RN KCP25B	B53
5425546	CNMG160616RN KCP25B	B53
5425547	CNMG190616MN KCP25B	B50
5425548	DNMG150412MN KCP25B	B78
5425549	DNMG150412RN KCP25B	B81
5425581	RNMG120400RN KCP10B	B94
5425582	SNMG090308MN KCP10B	B98
5425583	SNMG120412MN KCP10B	B98
5425584	SNMG120412RN KCP10B	B101
5425585	SNMG120416RN KCP10B	B101
5425586	SNMG150612MN KCP10B	B98
5425587	SNMG150612RN KCP10B	B101
5425588	TNMG160412MN KCP10B	B125
5425589	TNMG160412RN KCP10B	B127
5425591	VNMG160408MN KCP10B	B145
5425592	WNMG060408RN KCP10B	B159
5425593	WNMG080412MN KCP10B	B157
5425594	WNMG080412RN KCP10B	B159
5425595	WNMG080416RN KCP10B	B159
5425596	RNMG090300RN KCP25B	B94
5425597	RNMG120400RN KCP25B	B94
5425598	SNMG090308MN KCP25B	B98
5425599	SNMG120412MN KCP25B	B98
5425600	SNMG120412RN KCP25B	B101
5425601	SNMG120416RN KCP25B	B101
5425602	SNMG150612MN KCP25B	B98
5425603	SNMG150612RN KCP25B	B101
5425604	TNMG160412MN KCP25B	B125
5425605	TNMG160412RN KCP25B	B127
5425606	TNMG220416RN KCP25B	B127
5425607	VNMG160408MN KCP25B	B145
5430965	WNMG080412RP KCK15B	B159
5430966	CNMG160612RN KCP10B	B53
5430967	CNMG160616RN KCP10B	B53
5430968	CNMG190616MN KCP10B	B50
5430969	DNMG150404MN KCP10B	B78
5431070	DNMG150412MN KCP10B	B78
5431071	DNMG150412RN KCP10B	B81
5431591	CW16	S32–33
5434658	PDC251A04763DA KD1415	G110
5434659	PDC251A06350DA KD1415	G110
5434690	PDC251A07938DA KD1415	G110
5434691	PDC251A09525DA KD1415	G110
5434692	PDC251A11113DA KD1415	G110
5434693	PDC251A12700DA KD1415	G110
5434697	B284D03000HPS KN15	G88
5434699	B284D03175HPS KN15	G88
5434700	B284D03200HPS KN15	G88
5434701	B284D03300HPS KN15	G88
5434703	B284D03500HPS KN15	G88
5434704	B284D03571HPS KN15	G88
5434706	B284D03970HPS KN15	G88
5434707	B284D04000HPS KN15	G88
5434709	B284D04200HPS KN15	G88
5434710	B284D04366HPS KN15	G88
5434712	B284D04500HPS KN15	G88
5434713	B284D04763HPS KN15	G88
5434714	B284D04800HPS KN15	G88
5434715	B284D05000HPS KN15	G88
5434716	B284D05100HPS KN15	G88
5434717	B284D05159HPS KN15	G88
5434718	B284D05558HPS KN15	G88
5434719	B284D05600HPS KN15	G89
5434721	B284D05800HPS KN15	G89
5434722	B284D05954HPS KN15	G89
5434723	B284D06000HPS KN15	G89
5434724	B284D06400HPS KN15	G89
5434725	B284D06500HPS KN15	G89
5434726	B284D06746HPS KN15	G89
5434727	B284D06800HPS KN15	G89
5434728	B284D07000HPS KN15	G89
5434729	B284D07145HPS KN15	G89
5434730	B284D07400HPS KN15	G89
5434731	B284D07500HPS KN15	G89
5434732	B284D07541HPS KN15	G89
5434733	B284D07938HPS KN15	G89
5434734	B284D08000HPS KN15	G89
5434735	B284D08334HPS KN15	G89
5434736	B284D08500HPS KN15	G89
5434737	B284D08733HPS KN15	G89
5434738	B284D09000HPS KN15	G89
5434739	B284D09129HPS KN15	G89
5434740	B284D09500HPS KN15	G89
5434741	B284D09525HPS KN15	G89
5434742	B284D09921HPS KN15	G89
5434743	B284D10000HPS KN15	G89
5434744	B284D10200HPS KN15	G89
5434745	B284D10320HPS KN15	G89
5434746	B284D10500HPS KN15	G89
5434747	B284D10716HPS KN15	G90
5434748	B284D11000HPS KN15	G90
5434749	B284D11113HPS KN15	G90
5434750	B284D11908HPS KN15	G90
5434751	B284D12000HPS KN15	G90
5434752	B284D12500HPS KN15	G90
5434753	B284D12700HPS KN15	G90
5434754	B284D14000HPS KN15	G90
5434755	B284D14288HPS KN15	G90
5434756	B284D15875HPS KN15	G90
5434757	B284D19050HPS KN15	G90
5434758	B284D20000HPS KN15	G90
5434759	B285D03000HPS KN15	G88
5434760	B285D03175HPS KN15	G88
5434761	B285D03200HPS KN15	G88
5434762	B285D03300HPS KN15	G88
5434763	B285D03970HPS KN15	G88
5434764	B285D04000HPS KN15	G88
5434765	B285D04200HPS KN15	G88
5434766	B285D04500HPS KN15	G88
5434767	B285D04763HPS KN15	G88
5434768	B285D04800HPS KN15	G88
5434769	B285D04900HPS KN15	G88
5434770	B285D05000HPS KN15	G88
5434771	B285D05100HPS KN15	G88
5434772	B285D05200HPS KN15	G88
5434773	B285D05500HPS KN15	G88
5434774	B285D05558HPS KN15	G88
5434775	B285D05600HPS KN15	G89
5434776	B285D06000HPS KN15	G89
5434777	B285D06300HPS KN15	G89
5434778	B285D06400HPS KN15	G89
5434779	B285D06500HPS KN15	G89
5434780	B285D06600HPS KN15	G89
5434781	B285D06700HPS KN15	G89
5434782	B285D07000HPS KN15	G89
5434783	B285D07145HPS KN15	G89
5434785	B285D07700HPS KN15	G89
5434786	B285D07800HPS KN15	G89
5434787	B285D07938HPS KN15	G89
5434788	B285D08334HPS KN15	G89
5434789	B285D08400HPS KN15	G89
5434790	B285D08500HPS KN15	G89
5434791	B285D08733HPS KN15	G89
5434792	B285D09000HPS KN15	G89
5434793	B285D09300HPS KN15	G89
5434794	B285D09500HPS KN15	G89
5434795	B285D09525HPS KN15	G89
5434796	B285D10000HPS KN15	G89
5434797	B285D10500HPS KN15	G89
5434798	B285D11000HPS KN15	G90
5434799	B285D11113HPS KN15	G90
5434800	B285D11500HPS KN15	G90
5434801	B285D12000HPS KN15	G90

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5434802	B285D14000HPS KN15	G90
5434803	B285D14500HPS KN15	G90
5434804	B285D18000HPS KN15	G90
5477295	EDPT140408PDERHD2 KC725M	T53, T62
5477296	EDPT140408PDERHD2 KCPK30	T53, T62
5477297	EDPT140408PDERHD2 KCK15	T53, T62
5477299	EDPT140408PDERHD2 KC522M	T53, T62
5479648	T820NC#04-40R2B-D1 KSP39	M16
5479649	T820NC#04-40R3B-D1 KSP39	M17
5479690	T820NC#05-40R2B-D1 KSP39	M16
5479691	T820NC#06-32R2B-D1 KSP39	M16
5479692	T820NC#06-32R3B-D1 KSP39	M17
5479693	T820NF#06-40R2B-D1 KSP39	M16
5479694	T820NC#08-32R2B-D1 KSP39	M16
5479695	T820NC#08-32R3B-D1 KSP39	M17
5479696	T820NC#10-24R2B-D1 KSP39	M16
5479697	T820NF#10-32R2B-D1 KSP39	M16
5479698	T820NF#10-32R3B-D1 KSP39	M17
5479699	T820NC02500-20R2B-D1 KSP39	M16
5479700	T820NF02500-28R2B-D1 KSP39	M16
5479701	T820NF02500-28R3B-D1 KSP39	M17
5479702	T820NC03125-18R2B-D1 KSP39	M16
5479703	T820NF03125-24R2B-D1 KSP39	M16
5479704	T820NF03125-24R3B-D1 KSP39	M17
5479705	T820NC03750-16R2B-D1 KSP39	M16
5479706	T820NF03750-24R2B-D1 KSP39	M16
5479707	T820NF03750-24R3B-D1 KSP39	M17
5479708	T820NC04375-14R2B-D6 KSP39	M16
5479709	T820NF04375-20R2B-D6 KSP39	M16
5479710	T820NF04375-20R3B-D6 KSP39	M17
5479711	T820NC05000-13R2B-D6 KSP39	M16
5479712	T820NF05000-20R2B-D6 KSP39	M16
5479713	T820NF05000-20R3B-D6 KSP39	M17
5479714	T820NC05625-12R2B-D6 KSP39	M16
5479715	T820NF05625-18R2B-D6 KSP39	M16
5479716	T820NC06250-11R2B-D6 KSP39	M16
5479717	T820NF06250-18R2B-D6 KSP39	M16
5479718	T820NC07500-10R2B-D6 KSP39	M16
5479719	T820NF07500-16R2B-D6 KSP39	M16
5479720	T820NC08750-9R2B-D6 KSP39	M16
5479721	T820NF08750-14R2B-D6 KSP39	M16
5479722	T820NC10000-8R2B-D6 KSP39	M16
5479723	T820NF10000-12R2B-D6 KSP39	M16
5479724	T830NC#04-40R2B-D1 KSP39	M46
5479725	T830NC#04-40R3B-D1 KSP39	M49
5479726	T830NC#05-40R2B-D1 KSP39	M46
5479727	T830NC#06-32R2B-D1 KSP39	M46
5479728	T830NC#06-32R3B-D1 KSP39	M49
5479729	T830NF#06-40R2B-D1 KSP39	M46
5479730	T830NC#08-32R2B-D1 KSP39	M46
5479732	T830NC#08-32R3B-D1 KSP39	M49
5479733	T830NC#10-24R2B-D1 KSP39	M46
5479734	T830NF#10-32R2B-D1 KSP39	M46
5479735	T830NF#10-32R3B-D1 KSP39	M49
5479736	T830NC02500-20R2B-D1 KSP39	M46
5479737	T830NF02500-28R2B-D1 KSP39	M46
5479738	T830NF02500-28R3B-D1 KSP39	M49
5479739	T830NC03125-18R2B-D1 KSP39	M46
5479760	T830NF03125-24R2B-D1 KSP39	M46
5479761	T830NF03125-24R3B-D1 KSP39	M49
5479762	T830NC03750-16R2B-D1 KSP39	M46
5479763	T830NF03750-24R2B-D1 KSP39	M46
5479764	T830NF03750-24R3B-D1 KSP39	M49
5479765	T830NC04375-14R2B-D6 KSP39	M46
5479766	T830NF04375-20R2B-D6 KSP39	M46
5479767	T830NF04375-20R3B-D6 KSP39	M49
5479768	T830NC05000-13R2B-D6 KSP39	M46
5479769	T830NF05000-20R2B-D6 KSP39	M46
5479770	T830NF05000-20R3B-D6 KSP39	M49
5479771	T830NC05625-12R2B-D6 KSP39	M46
5479772	T830NF05625-18R2B-D6 KSP39	M46
5479773	T830NC06250-11R2B-D6 KSP39	M46
5479774	T830NF06250-18R2B-D6 KSP39	M46
5479775	T830NC07500-10R2B-D6 KSP39	M46
5479776	T830NF07500-16R2B-D6 KSP39	M46
5479777	T830NF08750-9R2B-D6 KSP39	M46
5479778	T830NF08750-14R2B-D6 KSP39	M46
5479779	T830NC10000-8R2B-D6 KSP39	M46
5479780	T830NF10000-12R2B-D6 KSP39	M46
5479781	T820MF100X100R6H-D4 KSP39	M14
5479782	T820MF120X100R6H-D4 KSP39	M14
5479783	T820MF140X100R6H-D4 KSP39	M15
5479784	T820MF160X100R6H-D4 KSP39	M15
5479785	T820MF180X200R6H-D4 KSP39	M15
5479786	T820MF200X150R6H-D4 KSP39	M15
5479787	T820MF200X200R6H-D4 KSP39	M15
5479788	T820MF220X150R6H-D4 KSP39	M15
5479789	T820MF220X200R6H-D4 KSP39	M15
5479790	T820MF240X150R6H-D4 KSP39	M15
5479864	KTIP0983HPM KCP15	H26
5489410	WNMG080416MN KCP25B	B157
5490089	CNMG190616RP KCPK05	B53
5491717	RIQ06EDR06 KD1415	K56
5492520	B269A04550HP KCPK15	G68
5497332	RIQ09EDR06 KD1415	K56
5497351	CFM0402R00RHP KCU40	H34
5505778	B271Z02383KMG KCPK20	G74
5505779	B271Z02500KMG KCPK20	G74
5505938	KTMDUSCREW1	W29–31
5506030	B271Z02642KMG KCPK20	G74
5506031	B271Z02705KMG KCPK20	G74
5506032	B271Z02779KMG KCPK20	G74
5506033	B271Z02820KMG KCPK20	G74
5506034	B271Z03000HPG KCPK20	G74
5506035	B271Z03175HPG KCPK20	G74
5506036	B271Z03200HPG KCPK20	G74
5506037	B271Z03500HPG KCPK20	G74
5506038	B271Z03600HPG KCPK20	G74
5506039	B271Z03700HPG KCPK20	G74
5506040	B271Z03970HPG KCPK20	G74
5506041	B271Z04000HPG KCPK20	G74
5506042	B271Z04500HPG KCPK20	G74
5506043	B271Z04623HPG KCPK20	G74
5506044	B271Z04763HPG KCPK20	G74
5506045	B271Z04800HPG KCPK20	G74
5506046	B271Z05000HPG KCPK20	G74
5506047	B271Z05060HPG KCPK20	G74
5506048	B271Z05260HPG KCPK20	G74
5506049	B271Z05410HPG KCPK20	G74
5506060	B271Z05500HPG KCPK20	G74
5506061	B271Z05558HPG KCPK20	G74
5506062	B274Z02383KMG KCPK20	G79
5506063	B271Z05800HPG KCPK20	G74
5506064	B274Z02500KMG KCPK20	G79
5506065	B271Z05900HPG KCPK20	G74
5506067	B271Z06000HPG KCPK20	G74
5506068	B274Z02600KMG KCPK20	G79
5506069	B271Z06200HPG KCPK20	G74
5506070	B274Z02800KMG KCPK20	G79
5506071	B271Z06350HPG KCPK20	G74
5506072	B274Z03000HPG KCPK20	G79
5506073	B271Z06500HPG KCPK20	G75
5506074	B274Z03175HPG KCPK20	G79
5506075	B271Z06528HPG KCPK20	G75
5506076	B274Z03500HPG KCPK20	G79
5506077	B271Z06746HPG KCPK20	G75
5506078	B274Z03970HPG KCPK20	G79
5506079	B271Z06909HPG KCPK20	G75
5506080	B274Z04000HPG KCPK20	G79
5506081	B271Z07000HPG KCPK20	G75
5506082	B274Z04300HPG KCPK20	G79
5506083	B271Z07145HPG KCPK20	G75
5506084	B274Z04500HPG KCPK20	G79
5506085	B271Z07500HPG KCPK20	G75
5506086	B274Z04763HPG KCPK20	G79
5506087	B271Z07541HPG KCPK20	G75
5506088	B274Z05000HPG KCPK20	G79
5506089	B271Z07938HPG KCPK20	G75
5506090	B274Z05100HPG KCPK20	G79
5506091	B271Z08000HPG KCPK20	G75
5506092	B274Z05500HPG KCPK20	G79
5506093	B271Z08200HPG KCPK20	G75
5506094	B274Z05700HPG KCPK20	G79
5506095	B271Z08334HPG KCPK20	G75
5506096	B274Z06000HPG KCPK20	G79
5506098	B274Z06350HPG KCPK20	G79
5506099	B271Z08500HPG KCPK20	G75
5506100	B274Z06500HPG KCPK20	G79
5506101	B271Z08733HPG KCPK20	G75
5506102	B274Z06800HPG KCPK20	G79
5506105	B274Z07000HPG KCPK20	G79
5506106	B271Z09000HPG KCPK20	G75
5506107	B274Z07700HPG KCPK20	G80
5506108	B271Z09100HPG KCPK20	G75
5506109	B274Z07938HPG KCPK20	G80
5506110	B271Z09200HPG KCPK20	G75
5506111	B274Z08000HPG KCPK20	G80
5506112	B271Z09500HPG KCPK20	G75
5506113	B274Z08334HPG KCPK20	G80
5506114	B271Z09525HPG KCPK20	G75
5506115	B274Z08500HPG KCPK20	G80
5506116	B271Z09750HPG KCPK20	G75
5506117	B274Z08700HPG KCPK20	G80
5506118	B271Z10000HPG KCPK20	G75
5506119	B274Z09000HPG KCPK20	G80
5506120	B271Z10200HPG KCPK20	G75
5506121	B274Z09525HPG KCPK20	G80
5506122	B271Z10500HPG KCPK20	G75
5506123	B274Z10000HPG KCPK20	G80
5506124	B271Z10716HPG KCPK20	G75
5506125	B274Z10200HPG KCPK20	G80
5506126	B271Z10800HPG KCPK20	G75
5506127	B274Z10500HPG KCPK20	G80
5506128	B271Z11000HPG KCPK20	G75
5506129	B274Z10716HPG KCPK20	G80
5506130	B271Z11500HPG KCPK20	G75
5506135	B274Z11000HPG KCPK20	G80
5506136	B271Z12000HPG KCPK20	G75
5506137	B274Z11500HPG KCPK20	G80
5506138	B271Z12500HPG KCPK20	G75
5506139	B274Z11800HPG KCPK20	G80
5506140	B271Z12700HPG KCPK20	G75
5506141	B274Z12000HPG KCPK20	G80
5506142	B271Z13000HPG KCPK20	G75
5506143	B274Z12500HPG KCPK20	G80
5506144	B271Z13500HPG KCPK20	G75
5506145	B274Z12700HPG KCPK20	G80
5506146	B271Z14000HPG KCPK20	G75
5506147	B274Z13000HPG KCPK20	G80
5506148	B271Z14288HPG KCPK20	G75
5506149	B271Z14500HPG KCPK20	G75
5506150	B271Z15000HPG KCPK20	G75
5506151	B271Z15875HPG KCPK20	G75
5506152	B271Z16000HPG KCPK20	G75
5506156	B272Z02383KMG KCPK20	G76
5506157	B272Z02400KMG KCPK20	G76
5506158	B272Z02489KMG KCPK20	G76
5506159	B272Z02500KMG KCPK20	G76
5506303	B272Z02779KMG KCPK20	G76
5506305	B272Z03000HPG KCPK20	G76
5506306	B272Z03175HPG KCPK20	G76
5506307	B272Z03300HPG KCPK20	G76
5506308	B272Z03500HPG KCPK20	G76
5506309	B272Z03850HPG KCPK20	G76
5506310	B272Z03970HPG KCPK20	G76
5506311	B272Z04000HPG KCPK20	G76
5506312	B272Z04500HPG KCPK20	G76
5506313	B272Z04623HPG KCPK20	G76
5506314	B272Z04763HPG KCPK20	G76
5506315	B272Z05000HPG KCPK20	G76
5506316	B272Z05200HPG KCPK20	G76
5506317	RCMT2006M0UP KCP10B	E60
5506318	B272Z05260HPG KCPK20	G76
5506319	RCMT2006M0UP KCP25B	E60
5506320	B272Z05410HPG KCPK20	G76
5506322	B272Z05500HPG KCPK20	G76
5506323	RCMT1606M0UP KCP10B	E60
5506324	B272Z05558HPG KCPK20	G76
5506325	RCMT1606M0UP KCP25B	E60
5506326	B272Z05800HPG KCPK20	G76
5506328	B272Z06000HPG KCPK20	G76
5506329	B272Z06200HPG KCPK20	G76
5506330	B272Z06350HPG KCPK20	G76
5506331	B272Z06500HPG KCPK20	G76
5506332	B272Z06528HPG KCPK20	G76
5506333	B272Z06746HPG KCPK20	G76
5506334	B272Z06800HPG KCPK20	G76
5506335	B272Z06909HPG KCPK20	G76
5506336	B272Z07000HPG KCPK20	G77
5506337	B272Z07145HPG KCPK20	G77
5506338	B272Z07200HPG KCPK20	G77
5506339	B272Z07500HPG KCPK20	G77
5506340	B272Z07541HPG KCPK20	G77
5506341	B272Z07938HPG KCPK20	G77
5506342	B272Z08000HPG KCPK20	G77
5506343	B272Z08334HPG KCPK20	G77
5506344	B272Z08433HPG KCPK20	G77
5506345	B272Z08500HPG KCPK20	G77
5506346	B272Z08733HPG KCPK20	G77
5506347	B272Z09000HPG KCPK20	G77
5506348	B272Z09100HPG KCPK20	G77
5506349	B272Z09500HPG KCPK20	G77
5506350	B272Z09525HPG KCPK20	G77
5506351	B272Z09750HPG KCPK20	G77
5506352	B272Z10000HPG KCPK20	G77
5506353	B272Z10200HPG KCPK20	G77
5506354	B272Z10500HPG KCPK20	G77
5506355	B272Z10716HPG KCPK20	G77
5506356	B272Z11000HPG KCPK20	G77
5506357	B272Z11500HPG KCPK20	G77
5506358	B272Z11800HPG KCPK20	G77
5506359	B272Z12000HPG KCPK20	G77
5506360	B272Z12500HPG KCPK20	G77
5506361	B272Z12700HPG KCPK20	G77
5506362	B272Z13000HPG KCPK20	G77
5506363	B272Z13100HPG KCPK20	G77
5506364	B272Z13500HPG KCPK20	G77
5506365	B272Z14000HPG KCPK20	G77
5506367	B272Z14500HPG KCPK20	G77
5506368	B272Z15000HPG KCPK20	G77
5506369	B272Z15500HPG KCPK20	G77
5506370	B272Z15875HPG KCPK20	G77
5506371	B272Z16000HPG KCPK20	G77
5507556	TNMG220408MP KCP10B	B125
5507610	TNMG220408FN KCP10B	B124
5507611	WNMG080408FW KCP10B	B156
5507612	WNMG080408RN KCP10B	B159
5511788	B273Z02383KMG KCPK20	G78
5511789	B273Z02500KMG KCPK20	G78
5511930	B273Z02600KMG KCPK20	G78
5511933	B273Z03000HPG KCPK20	G78
5511934	B273Z03175HPG KCPK20	G78
5511935	B273Z03500HPG KCPK20	G78
5511936	B273Z04000HPG KCPK20	G78
5511937	B273Z04500HPG KCPK20	G78
5511938	B273Z05000HPG KCPK20	G78
5511939	B273Z05100HPG KCPK20	G78
5511940	B273Z05500HPG KCPK20	G78
5511941	B273Z05800HPG KCPK20	G78
5511942	B273Z06000HPG KCPK20	G78
5511943	B273Z06350HPG KCPK20	G78
5511944	B273Z06500HPG KCPK20	G78
5511945	B273Z06746HPG KCPK20	G78
5511946	B273Z07000HPG KCPK20	G78
5511947	B273Z07500HPG KCPK20	G78
5511948	B273Z08000HPG KCPK20	G78
5511949	B273Z08500HPG KCPK20	G78
5511950	B273Z08733HPG KCPK20	G78
5511951	B273Z09000HPG KCPK20	G78
5511952	B273Z10000HPG KCPK20	G78
5511953	B273Z10200HPG KCPK20	G78
5511954	B273Z10500HPG KCPK20	G78
5511955	B273Z11000HPG KCPK20	G78
5511956	B273Z11500HPG KCPK20	G78
5511957	B273Z12000HPG KCPK20	G78
5511958	B273Z12500HPG KCPK20	G78
5511959	B273Z12700HPG KCPK20	G78
5511960	B273Z13000HPG KCPK20	G78
5511961	B273Z13500HPG KCPK20	G78
5511962	B273Z14000HPG KCPK20	G78
5511963	B273Z14288HPG KCPK20	G78
5511964	B273Z14500HPG KCPK20	G78
5511965	B273Z15000HPG KCPK20	G78
5512462	CNMG160612RN KCPK05	B53
5513477	CNMG120408RP KCPK05	B53
5513478	CNMG160612RP KCPK05	B53
5514452	TNMG220412MN KCP10B	B125
5515172	KSEM3300HPCCLM KC7410	H49, H87
5515173	KSEM3400HPCCLM KC7410	H49, H87
5515174	KSEM3500HPCCLM KC7410	H49, H87
5515175	KSEM3600HPCCLM KC7410	H49, H87
5515176	KSEM3700HPCCLM KC7410	H49, H87
5515177	KSEM3800HPCCLM KC7410	H49, H87
5515178	KSEM3900HPCCLM KC7410	H49, H87

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5515179	KSEM4000HPCCLM KC7410	H49, H87
5515220	KSEMP3500HPGM KC7315	H87
5515221	KSEMP3600HPGM KC7315	H87
5515222	KSEMP3700HPGM KC7315	H87
5515223	KSEMP3800HPGM KC7315	H87
5515224	KSEMP3900HPGM KC7315	H87
5515225	KSEMP4000HPGM KC7315	H87
5515226	KSEM2900HPGM KCPM45	H46
5515746	LNGU15T612SRGE KC520M	T19
5515747	LNGU15T612SRGE KC522M	T19
5515748	LNGU15T612SRGE KC725M	T19
5515749	LNGU15T612SRGE KCK15	T19
5515759	LNGU15T608SRGE KC520M	T19
5515890	LNGU15T608SRGE KC522M	T19
5515891	LNGU15T608SRGE KC725M	T19
5515892	LNGU15T608SRGE KCK15	T19
5515893	LNGU15T608SRGE KCPK30	T19
5516070	LNGU15T612SRGE KCPK30	T19
5516073	LNGU15T604SRGE KC520M	T19
5516074	LNGU15T604SRGE KC522M	T19
5516075	LNGU15T604SRGE KC725M	T19
5516076	LNGU15T604SRGE KCK15	T19
5516077	LNGU15T604SRGE KCPK30	T19
5517575	RCGT2006M0SGFJ KCSM30	V83
5517600	SNMM190624RW KCP25B	B103
5517760	RPET1204M0ELEJ KCSM30	V73
5517761	RPET1204M0SGEJ KCSM30	V73
5517764	RPET1605M0SGEJ KCSM30	V79
5517767	W0EJ090512SRGD KCSM30	V41
5517773	RNGJ1204M0ELDJ KCSM30	V57
5517778	RNGJ10T3M0SGDJ KCSM30	V51
5518566	DNMG150612MR KCP25B	B80
5519287	EDPT070308PDSRGE KCSM30	T25
5519923	SDET1204PDSRGB KCSM30	T105, T112, U51
5519967	SDCT120432ENLD2 KCSM30	T104, T111, U51
5519983	EDPT140431PDERHD KCSM30	T53, T62
5520493	EDPT140416PDERHD KCSM30	T53, T62
5520494	EDPT140440PDERHD KCSM30	T53, T62
5520684	EDPT10T316PDERHD KCSM30	T36
5520687	SPCT10T316ENLD2 KCSM30	T100, U36
5520736	T353M040X070R6HX-D1 KCK17	M59
5520737	T353M050X080R6HX-D1 KCK17	M59
5520738	T353M060X100R6HX-D1 KCK17	M59
5520739	T353M080X125R6HX-D1 KCK17	M59
5520790	T353M100X150R6HX-D1 KCK17	M59
5520791	T353M120X175R6HX-D6 KCK17	M59
5520792	T353M140X200R6HX-D6 KCK17	M59
5520793	T351M060X100R6HX-D1 KCK17	M58
5520794	T351M070X100R6HX-D1 KCK17	M58
5520795	T351M080X125R6HX-D1 KCK17	M58
5520796	T351M090X125R6HX-D1 KCK17	M58
5520798	T351M100X150R6HX-D1 KCK17	M58
5520799	T351MF100X100R6HX-D4 KCK17	M58
5520800	T351MF100X125R6HX-D4 KCK17	M58
5520801	T351M120X175R6HX-D6 KCK17	M58
5520802	T351MF120X125R6HX-D4 KCK17	M58
5520803	T351MF120X150R6HX-D4 KCK17	M58
5520804	T351M140X200R6HX-D6 KCK17	M58
5520805	T351MF140X125R6HX-D4 KCK17	M58
5520806	T351MF140X150R6HX-D4 KCK17	M58
5520807	T471M060X100R6HX-D1 KCN14	M61
5520808	T471M080X125R6HX-D1 KCN14	M61
5520809	T471M100X150R6HX-D1 KCN14	M61
5520810	T491M060X100R6HX-D74 KCN14	M73
5520811	T491M080X125R6HX-D74 KCN14	M73
5520812	T491M100X150R6HX-D74 KCN14	M73
5523116	RIQ06EGR06 KC6305	K56
5523306	CNMG090308FN KCP10B	B49
5523588	DNMG150612MR KCP10B	B80
5524447	KTIP1161HPM KCP15	H26
5524448	KTIP1830HPM KCP15	H27
5524449	KTIP1840HPM KCP15	H27
5524610	KTIP1935HPM KCP15	H27
5528599	M4D035Z04M16LN15	T14
5528630	M4D025Z02B25LN15	T15
5528631	M4D032Z03B32LN15	T15
5528632	M4D040Z04S16LN15	T17
5528633	M4D050Z05S22LN15	T17
5528634	M4D050Z06S22LN15	T17
5528635	M4D063Z06S22LN15	T17
5528636	M4D063Z07S22LN15	T17
5528637	M4D080Z07S27LN15	T17
5528638	M4D100Z08S32LN15	T17
5528977	OFKT07L6AFENGB KCSM30	S55
5531233	CNGG120401FS KCU10	B46
5531234	CNGG120402FS KCU10	B46
5531235	CNGG120404FS KCU10	B46
5531236	CNGG120408FS KCU10	B46
5531238	CNMG190612MS KCU10	B52
5531240	SNMG150616MP KCU10	B98
5531241	TCGT16T301LF KCU10	B243
5531835	CNMG120404FP KCP25B	B49
5531836	CNMG120404FN KCP10B	B49
5531837	CNMG120404FN KCK15B	B49
5531838	CNMG120404FN KCP25B	B49
5531839	CNMG120408FN KCP10B	B49
5531890	CNMG120408FN KCP25B	B49
5531891	CNMG120408FP KCP10B	B49
5531892	CNMG120408FP KCP25B	B49
5531893	CNMG120412FN KCP25B	B49
5531894	CNMG120412FN KCP10B	B49
5531896	DNMG110404FN KCP10B	B77
5531897	DNMG110408FN KCP25B	B77
5531898	DNMG150404FN KCK15B	B77
5531899	DNMG150404FN KCP25B	B77
5531900	DNMG150408FN KCP10B	B77
5531901	DNMG150604FN KCP10B	B77
5531902	DNMG150604FN KCK15B	B77
5531903	DNMG150604FN KCP25B	B77
5531904	DNMG150608FP KCP10B	B77
5531905	DNMG150608FP KCP25B	B77
5531906	DNMG150608FN KCP25B	B77
5531907	DNMG150608FN KCK15B	B77
5531908	DNMG150612FN KCP10B	B77
5531909	SNMG090308FN KCK15B	B97
5531910	SNMG120404FN KCP10B	B97
5531911	M4D025Z02M12LN15	T14
5531912	M4D032Z03M16LN15	T14
5531913	M4D040Z05M16LN15	T14
5531914	M4D040Z03B32LN15	T15
5531915	M4D025Z02A25LN15L100	T16
5531916	M4D025Z02A25LN15L170	T16
5531917	M4D032Z03A32LN15L110	T16
5531918	M4D032Z03A32LN15L200	T16
5531919	M4D040Z03A32LN15L200	T16
5532000	M4D125Z12S40LN15	T17
5532930	EG0212M02U02GUP KCU25	C17
5532931	EG0251M02U02GUP KCU25	C17
5532936	EG0212M02U02GUN KCU25	C22
5532937	EG0251M02U02GUN KCU25	C22
5532941	EG0812M08U08GUP KCU25	C17
5532942	EG0812M08U12GUP KCU25	C17
5532944	EG0812M08U08GUN KCU25	C22
5532945	EG0812M08U12GUN KCU25	C22
5533012	EG255I06U1GUP KCU25	C19
5533013	EG255I06U2GUP KCU25	C19
5533015	EG255I06U1GUN KCU25	C23
5533016	EG255I06U2GUN KCU25	C23
5533080	EC030M03N00CL02 KCU25	C25
5533081	EC014M1BN00CF01 KCU25	C24
5533082	EC020M02N00CF02 KCU25	C24
5533089	EC014M1BN00CM01 KCU25	C26
5533090	EC020M02N00CM02 KCU25	C26
5533093	EC060M06N00CM03 KCU25	C26
5533096	EC060M06N00CR03 KCU25	C27
5533097	EC080M08N00CR04 KCU25	C27
5533120	EG0612M06U04GUP KCU25	C17
5533124	EG0612M06U08GUP KCU25	C17
5533125	EG0612M06U04GUN KCU25	C22
5533127	EG0612M06U08GUN KCU25	C22
5533134	EG317I08U3GUP KCU25	C19
5533136	EG317I08U3GUN KCU25	C23
5533137	EC014M1BN00CL01 KCU25	C25
5533138	EC020M02N00CL02 KCU25	C25
5533139	EC040M04N00CL02 KCU25	C25
5533150	EC020M02L06CF02 KCU25	C24
5533151	EC020M02R06CF02 KCU25	C24
5533156	EC020M02N00CR02 KCU25	C27
5533171	EC060M06L06CR04 KCU25	C27
5533172	EC060M06R06CR04 KCU25	C27
5533173	EC080M08L06CR04 KCU25	C27
5533174	EC080M08R06CR04 KCU25	C27
5533178	EG380I10U3GUP KCU25	C19
5533179	EG063I1FU05GUN KCU25	C23
5533210	EG380I10U3GUN KCU25	C23
5533212	EG0512M05U04GUP KCU25	C17
5533214	EG0512M05U08GUP KCU25	C17
5533216	EG0712M06U08GUP KCU25	C17
5533220	EG1012M10U12GUP KCU25	C17
5533221	EG0512M05U04GUN KCU25	C22
5533222	EG0512M05U08GUN KCU25	C22
5533223	EG1012M10U12GUN KCU25	C22
5533361	ER130I03U00GUP KCU25	C21
5533363	ER192I04U00GUP KCU25	C21
5533365	ER255I06U00GUP KCU25	C21
5533367	ER317I08U00GUP KCU25	C21
5533368	ER130I03U00GUN KCU25	C24
5533369	ER192I04U00GUN KCU25	C24
5533370	ER255I06U00GUN KCU25	C24
5533371	ER317I08U00GUN KCU25	C24
5533448	EC014M1BL06CL01 KCU25	C25
5533449	EC014M1BR06CL01 KCU25	C25
5533510	EC020M02L06CL02 KCU25	C25
5533511	EC020M02R06CL02 KCU25	C25
5533512	EC030M03L06CL02 KCU25	C25
5533513	EC030M03R06CL02 KCU25	C25
5533514	EC040M04L06CL02 KCU25	C25
5533515	EC040M04R06CL02 KCU25	C25
5533516	EC014M1BL06CF01 KCU25	C24
5533517	EC014M1BR06CF01 KCU25	C24
5533518	EC050M05N00CF03 KCU25	C24
5533519	EC014M1BL06CM01 KCU25	C26
5533520	EC014M1BR06CM01 KCU25	C26
5533521	EC020M02L06CM02 KCU25	C26
5533522	EC020M02R06CM02 KCU25	C26
5533523	EC050M05N00CM03 KCU25	C26
5533524	EC070M06N00CM04 KCU25	C26
5533525	EC080M08N00CM04 KCU25	C26
5533526	EC050M05N00CR03 KCU25	C27
5533527	EC070M06N00CR04 KCU25	C27
5533528	EC020M02L06CR02 KCU25	C27
5533529	EC020M02R06CR02 KCU25	C27
5533546	DFR020204LD KCU25	J84
5533547	DFR030204LD KCU25	J84
5533548	DFR040304LD KCU25	J84
5533549	DFR020204LD KCPK10	J84
5533630	DFR030204LD KCPK10	J84
5533631	DFR040304LD KCPK10	J84
5533632	DFR030204LD KC7140	J84
5533633	DFR040304LD KC7140	J84
5533634	SPHX060204R21 KCPK10	J100
5533635	SPHX070304R21 KCPK10	J100
5533636	SPHX070308R21 KCPK10	J100
5533637	SPHX090304R21 KCPK10	J100
5533638	SPHX090308R21 KCPK10	J100
5533639	SPHX120404R21 KCPK10	J100
5533640	SPHX060204R20 KCU25	J99
5533641	SPHX070304R20 KCU25	J99
5533642	SPHX090304R20 KCU25	J99
5533643	SPHX090308R20 KCU25	J99
5533644	SPHX120404R20 KCU25	J99
5533645	SPHX120408R20 KCU25	J99
5533646	SPHX150504R20 KCU25	J99
5533647	SPHX150508R20 KCU25	J99
5533648	SPHX060204R20 KCU40	J99
5533649	SPHX060204R21 KCU40	J100
5533650	SPHX070304R20 KCU40	J99
5533651	SPHX070304R21 KCU40	J100
5533652	SPHX070308R21 KCU40	J100
5533653	SPHX090304R20 KCU40	J99
5533654	SPHX090304R21 KCU40	J100
5533655	SPHX090308R20 KCU40	J99
5533656	SPHX090308R21 KCU40	J100
5533657	SPHX120404R20 KCU40	J99
5533658	SPHX120404R21 KCU40	J100
5533659	SPHX120408R20 KCU40	J99
5533660	SPHX150504R20 KCU40	J99
5533661	SPHX150508R20 KCU40	J99
5534147	SPGX060304FP KCU40	J90
5534148	SPGX060304RHP KCU40	J89
5534149	SPGX060304MD KCU40	J89
5534230	SPGX070304FP KCU40	J90
5534231	SPGX070304RHP KCU40	J89
5534232	SPGX070304MD KCU40	J89
5534233	SPPX09T308FP KCU40	J90
5534234	SPPX09T308RHP KCU40	J89
5534235	SPPX09T308MD KCU40	J89
5534236	SPPX120408FP KCU40	J90
5534237	SPPX120408RHP KCU40	J89
5534238	SPPX120408MD KCU40	J89
5534239	SPPX15T508FP KCU40	J90
5534250	SPPX15T508RHP KCU40	J89
5534251	SPPX15T508MD KCU40	J89
5534252	SPGX060304FP KCU25	J90
5534253	SPGX060304RHP KCU25	J89
5534254	SPGX060304MD KCU25	J89
5534255	SPGX070304FP KCU25	J90
5534256	SPGX070304RHP KCU25	J89
5534257	SPGX070304MD KCU25	J89
5534258	SPPX09T308FP KCU25	J90
5534259	SPPX09T308RHP KCU25	J89
5534260	SPPX09T308MD KCU25	J89
5534261	SPPX120408FP KCU25	J90
5534262	SPPX120408RHP KCU25	J89
5534263	SPPX120408MD KCU25	J89
5534264	SPPX15T508FP KCU25	J90
5534265	SPPX15T508RHP KCU25	J89
5534266	SPPX15T508MD KCU25	J89
5534267	SPGX060304FP KCPK10	J90
5534268	SPGX070304FP KCPK10	J90
5534269	SPPX09T308FP KCPK10	J90
5534270	SPPX120408FP KCPK10	J90
5534271	SPPX15T508FP KCPK10	J90
5534274	ER0312M03U00GUP KCU25	C20
5534276	ER0412M04U00GUP KCU25	C20
5534278	ER0512M05U00GUP KCU25	C20
5534290	ER0612M06U00GUP KCU25	C20
5534292	ER0812M08U00GUP KCU25	C20
5534293	ER0312M03U00GUN KCU25	C23
5534294	ER0412M04U00GUN KCU25	C23
5534295	ER0512M05U00GUN KCU25	C23
5534296	ER0612M06U00GUN KCU25	C23
5534297	ER0812M08U00GUN KCU25	C23
5534828	CNMG120404FF KCP10B	B48
5535020	CNMG120408CT KCP25B	B48
5535021	CNMG120408CT KCP10B	B48
5535022	CNMG120408FF KCP10B	B48
5535025	DNMG110408CT KCP10B	B76
5535026	DNMG110408FF KCP10B	B76
5535027	DNMG150408CT KCP10B	B76
5535028	DNMG150408FW KCP10B	B78
5535029	DNMG150604FF KCP10B	B76
5535040	DNMG150604FW KCP10B	B78
5535041	DNMG150608CT KCP10B	B76
5535042	DNMG150608FF KCP10B	B76
5535043	DNMG150608FW KCK15B	B78
5535044	DNMG150608FW KCP10B	B78
5535045	DNMP150604K KCP25B	B83
5535046	DNMP150608K KCP25B	B83
5537375	CCMT060204FP KCP10B	B176
5537376	CCMT060204FP KCP25B	B176
5537378	CCMT060208FP KCP25B	B176
5537379	CCMT09T302FP KCP25B	B176
5537420	CCMT09T304FP KCP10B	B176
5537421	CCMT09T304FP KCP25B	B176
5537422	CCMT09T308FP KCP10B	B176
5537423	CCMT09T308FP KCP25B	B176
5537425	CCMT120404FP KCP10B	B176
5537426	CCMT120404FP KCP25B	B176
5537427	CCMT120408FP KCP25B	B176
5537429	CPMT060204FP KCP25B	B189
5537430	CPMT060204UF KCP25B	B191
5537431	CPMT060204UF KCP10B	B191
5537432	CPMT09T304FP KCP25B	B189
5537433	CPMT09T304UF KCP25B	B191
5537435	CPMT09T308FP KCP25B	B189
5537436	DCMT070202FP KCP25B	B207
5537437	DCMT070208FP KCP25B	B207
5537438	DCMT11T302FP KCP25B	B207
5537439	DCMT11T302FP KCP10B	B207

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5537442	DCMT11T304FP KCP10B	B207
5537443	DCMT11T304FP KCP25B	B207
5537444	DCMT11T304UF KCP10B	B208
5538857	DCMT11T304UF KCP25B	B208
5538858	DCMT11T308FP KCP10B	B207
5538891	TCMT090204FP KCP25B	B244
5538894	TCMT110304FP KCP10B	B244
5538900	TPMT110304FP KCP10B	B254
5538903	VBMT160408FP KCP10B	B265
5538904	VBMT160408FP KCP25B	B265
5542022	SDET120412PDENGDZ KCPM40	V141
5542023	SDET120412PDSNGDZ KCPM40	V141
5542024	SDPT120412PDENHPZ KCPM40	V141
5542025	SDPT120412PDSNHPZ KCPM40	V141
5542028	RNPJ10T3M0SGD KCPM40	V51
5542029	RNPJ10T3M0SHD KCPM40	V51
5542179	CNMA120412 KCK15B	B47
5542190	RNPJ1204M0SGD KCPM40	V58
5542191	RNPJ1204M0SHD KCPM40	V58
5542192	RNPJ1605M0SGD KCPM40	V61
5542193	RNPJ1605M0SHD KCPM40	V61
5542210	CNMA160612 KCK15B	B47
5542242	WOEJ090512SRHD KCPM40	V41
5542243	WOEJ090512SRGD KCPM40	V41
5542246	RPPT1204M0SGP KCPM40	V74
5542247	RPPT1204M0SGDX KCPM40	V74
5542248	RPPT1605M0SHP KCPM40	V80
5542321	RCGT2006M0SHFJ KCPM40	V83
5542324	RCGT2006M0SGFJ KCPM40	V83
5543553	KM4X63KGMEL65C	C63, C133
5543555	KM4X63KGMER65C	C63, C133
5543558	KM4X63KGMSL65C	C62, C133
5543560	KM4X63KGMSR65C	C62, C133
5544143	SS20RBHT24	K120
5544144	SS20FBHS24	K135
5544145	SS25RBHT30	K120
5544146	SS25FBHS31	K135
5544148	ER25RBHT40	K119
5544149	ER25FBHS40	K134
5544190	ER32RBHT50	K119
5544191	ER32FBHS51	K134
5544192	ER40RBHT66	K119
5544193	ER40FBHS67	K134
5544755	DNMG110412FN KCP10B	B77
5545061	EDPT140408PDSRGD2 KCPM40	T54, T63
5545066	EDPT140412PDSRGD KCPM40	T54, T63
5545067	EDCT140408PDERGD KCPM40	T52, T61
5545068	EDCT140404PDERGD KCPM40	T52, T61
5545069	EDPT140412PDERHD KCPM40	T53, T62
5545160	EDPT140408PDERHD KCPM40	T53, T62
5545161	EDPT140408PDSRGE KCPM40	T53, T62
5545162	SDET1204PDSRGB KCPM40	T105, T112, U51
5545163	SDCT1204PDERLD2 KCPM40	T104, T111, U51
5545164	SDET1204PDERGB2 KCPM40	T104, T111, U52
5545167	SPCT10T3PPERLD2 KCPM40	T100, U36
5545168	SPET10T3PPERGB2 KCPM40	T100, U37
5545169	EDPT070308PDSRGE KCPM40	T25
5545214	EDPT10T308PDERHD KCPM40	T36
5545215	EDPT10T304PDERHD KCPM40	T36
5545216	EDPT10T308PDSRGD KCPM40	T36, T44
5545217	EDCT10T308PDERLD KCPM40	T35
5545398	EDPT180516PDERGD KCPM40	T74
5545399	EDPT180508PDERGD KCPM40	T74
5545400	EDPT180512PDERGD KCPM40	T74
5545401	EDPT180512PDSRGD KCPM40	T75
5545402	EDPT180508PDSRGD KCPM40	T75
5545403	EDPT180516PDSRGD KCPM40	T75
5545562	EDPT140408PDERHD2 KCPM40	T53, T62
5546298	VNMG160412MN KCP25B	B145
5547848	LNPU15T608SRGE KC520M	T19
5547849	LNPU15T608SRGE KC522M	T19
5548040	LNPU15T608SRGE KC725M	T19
5548041	LNPU15T608SRGE KCK15	T19
5548042	LNPU15T608SRGE KCPK30	T19
5548378	B967A09300 KC7315	G133
5550701	HNGJ0604ANENLD KCPM40	S6, S12, S15
5550702	HNPJ0604ANSNHD KCPM40	S7, S13, S16
5550703	HNPJ0604ANSNGD KCPM40	S7, S13, S16
5550793	HNGJ0905ANSNGD KCPM40	S18, S23
5550794	HNGJ0905ANSNHD KCPM40	S19, S23
5550795	HNPJ0905ANSNGD KCPM40	S19, S23
5550796	HNPJ0905ANSNHD KCPM40	S19, S24
5550797	HNPJ090543ANSNHD KCPM40	S19, S24
5550815	HNPJ1307ANSNHD KCPM40	S27
5550816	HNPJ130720ANSNHD KCPM40	S27
5550817	HNGJ1307ANENGD KCPM40	S26
5550819	OFPT07L6AFENGB KCPM40	S55
5550901	OFPT06L5AFENGB KCPM40	S51
5551030	T340NC#6-32R3BX KCK17	M54
5551031	T340NC#8-32R3BX KCK17	M54
5551032	T340NC#10-24R3BX KCK17	M54
5551033	T340NF#10-32R3BX KCK17	M54
5551034	T340NC02500-20R3BX KCK17	M54
5551035	T340NC03125-18R3BX KCK17	M54
5551036	T340NC03750-16R3BX KCK17	M54
5551037	T340NF03750-24R3BX KCK17	M54
5551038	T340NC05000-13R3BX KCK17	M54
5551039	T340NF05000-20R3BX KCK17	M54
5551040	T340NF05625-18R3BX KCK17	M54
5551041	T340M040X070R6HX KCK17	M55
5551042	T340M050X080R6HX KCK17	M55
5551043	T340M060X100R6HX KCK17	M55
5551044	T340M080X125R6HX KCK17	M55
5551045	T340MF100X100R6HX KCK17	M55
5551046	T340M100X150R6HX KCK17	M55
5551047	T340MF120X150R6HX KCK17	M55
5551048	T340M120X175R6HX KCK17	M55
5551049	T340MF140X150R6HX KCK17	M55
5551050	T340M140X200R6HX KCK17	M55
5551051	T340M160X200R6HX KCK17	M55
5551052	T340M200X250R6HX KCK17	M55
5551053	T351NC#6-32R3BX KCK17	M56
5551054	T351NC#8-32R3BX KCK17	M56
5551055	T351NF#10-32R3BX KCK17	M56
5551056	T351NC02500-20R3BX KCK17	M56
5551057	T351NC03125-18R3BX KCK17	M56
5551058	T351NC03750-16R3BX KCK17	M56
5551059	T351NC04375-14R3BX KCK17	M56
5551060	T351NC05000-13R3BX KCK17	M56
5551061	T351NC06250-11R3BX KCK17	M56
5551062	T351NC07500-10R3BX KCK17	M56
5551063	T351M040X070R6HX KCK17	M57
5551064	T351M050X080R6HX KCK17	M57
5551065	T351M060X100R6HX KCK17	M57
5551066	T351M080X125R6HX KCK17	M57
5551067	T351MF100X100R6HX KCK17	M57
5551068	T351M100X150R6HX KCK17	M57
5551069	T351MF120X150R6HX KCK17	M57
5551070	T351M120X175R6HX KCK17	M57
5551071	T351MF140X150R6HX KCK17	M57
5551072	T351M140X200R6HX KCK17	M57
5551073	T351M160X200R6HX KCK17	M57
5551077	T471M060X100R6HX KCN14	M60
5551078	T471M080X125R6HX KCN14	M60
5551079	T471M100X150R6HX KCN14	M60
5551080	T471M120X175R6HX KCN14	M60
5551081	T471M140X200R6HX KCN14	M60
5551082	T491M050X080R6HX KCN14	M72
5551083	T491M060X100R6HX KCN14	M72
5551084	T491M080X125R6HX KCN14	M72
5551085	T491M100X150R6HX KCN14	M72
5551086	T491M120X175R6HX KCN14	M72
5551479	RIQ09EGR06 KD1415	K56
5555606	M4D032Z04M16LN15	T14
5555607	M4D040Z04B32LN15	T15
5555608	M4D032Z04A32LN15L110	T16
5555609	M4D032Z04A32LN15L200	T16
5555716	B224A04100HP KCPK15	G51
5555800	M4D040Z04A32LN15L200	T16
5555801	M4D040Z05S16LN15	T17
5555802	M4D080Z09S27LN15	T17
5555803	M4D100Z11S32LN15	T17
5555804	M4D125Z09S40LN15	T17
5555805	M4D160Z12S40LN15	T17
5555806	M4D160Z16S40LN15	T17
5556965	SDET120464SNGB KCSM30	T105, T112, U51
5566274	RCMT1204M0RP KCP25B	B226
5572826	SDPT1204PDERGB2 KCPM40	T105, T112, U52
5572827	SDPT1204PDSRGB2 KCPM40	T105, T112, U52
5573990	DCMT150408LF KCP10B	B207
5575827	LNGU15T608SRGEM KC520M	T19
5575828	LNGU15T608SRGEM KCK15	T19
5575829	LNGU15T608SRGEM KCPK30	T19
5576320	VNMG160408FF KCP25B	B145
5577076	LNEU1245R08 KCPM40	U19
5577077	LNEU1255R08 KCPM40	U19
5577078	LNEU1245R04 KCPM40	U19
5577079	LNEU1255R04 KCPM40	U19
5577120	LNEU1245R08SGP KCPM40	U20
5577121	LNEU1240R08 4 KCPM40	U19
5577122	LNEU1240R03 4 KCPM40	U19
5577123	LNEQ1260R04 KCPM40	U20
5577124	LNEU1260R04 KCPM40	U19
5580585	WNMG080412MP KCP25B	B157
5585495	B224A05050HP KCPK15	G52
5586046	SNHX1102T KCPM40	U14
5586047	SNHX1103T KCPM40	U14
5586048	SNHX1203T KCPM40	U14
5586060	SNHX11T3PZTNGP KCPM40	U15
5586061	SNHX1102PZTNGP KCPM40	U15
5586062	SNHX1203PZTNGP KCPM40	U15
5586626	LNUX301940RRH KCP10B	E51
5588385	LNGU15T608ERGE KC725M	T18
5588386	LNGU15T608ERGE KCSM30	T18
5588387	LNGU15T608ERGE KCPM40	T18
5588388	LNGU15T608ERGE KC522M	T18
5588513	LNGU15T604ERGE KC725M	T18
5588514	LNGU15T604ERGE KCSM30	T18
5588515	LNGU15T604ERGE KCPM40	T18
5588516	LNGU15T604ERGE KC522M	T18
5588517	LNGU15T612ERGE KC725M	T18
5588518	LNGU15T612ERGE KCSM30	T18
5588519	LNGU15T612ERGE KCPM40	T18
5588550	LNGU15T612ERGE KC522M	T18
5588937	DFT110508MD KC7140	J87
5588973	RIQ09EDR00 KC6005	K56
5589680	LNPU221012PNSRHD KCPM40	S121, S123
5589965	B978F09000 KC7315	G149
5590137	410.091	E17–18
5590777	EDPT180508PDERHD KCPM40	T75
5591123	DCMT11T308FP KCM25B	B207
5591124	DCMT11T304FP KCM25B	B207
5591126	CCMT060208FP KCM25B	B176
5591127	DCMT070208FP KCM25B	B207
5591128	CCMT09T304FP KCM25B	B176
5591129	DCMT11T302FP KCM25B	B207
5591140	CCMT060204FP KCM25B	B176
5591141	CCMT060202FP KCM25B	B176
5591142	CCMT09T308FP KCM25B	B176
5591143	DCMT070204FP KCM25B	B207
5591144	CCMT09T302FP KCM25B	B176
5591146	CCMT120404FP KCM25B	B176
5591149	TCMT110204LF KCM25B	B244
5591151	DCMT070204LF KCM25B	B207
5591152	SCMT120408LF KCM25B	B230
5591154	VBMT110304LF KCM25B	B265
5591155	DPMT11T304LF KCM25B	B215
5591156	TCMT16T304LF KCM25B	B244
5591157	CPMT09T304LF KCM25B	B190
5591158	SCMT120404LF KCM25B	B230
5591159	TCMT16T308LF KCM25B	B244
5591160	TCMT110208LF KCM25B	B244
5591161	TPMT16T304LF KCM25B	B255
5591162	TPMT110204LF KCM25B	B255
5591164	TPMT16T308MF KCM25B	B255
5591166	SCMT120408MF KCM25B	B231
5591167	TCMT16T308MF KCM25B	B245
5591168	SPMT09T308MF KCM25B	B239
5591169	CPMT09T308MF KCM25B	B190
5591170	TCMT16T312MF KCM25B	B245
5591172	CCMT09T304MF KCM25B	B177
5591173	DCMT11T304MF KCM25B	B208
5591174	CCMT060204MF KCM25B	B177
5591175	SCMT09T308MF KCM25B	B231
5591256	CCMT09T312MF KCM25B	B177
5591610	TNMG220404FP KCM25B	B124
5591611	SNMG120408FP KCM25B	B97
5591612	SNMM250724RH KCP40B	B102
5591613	SNMM250924RH KCP40B	B102
5591615	CNMM190616RH KCP40B	B55
5591616	SNMM190624RH KCP40B	B102
5591617	SNMM190624RM KCP40B	B103
5591633	CNMM190624RP KCM25B	B56
5591634	SNMM250924RP KCM25B	B103
5591711	CPMT060208MF KCM25B	B190
5591712	CPMT09T312MF KCM25B	B190
5591713	TCMT110208MF KCM25B	B245
5591714	SNMG120408MN KCP40B	B98
5591716	CNMG120412MN KCP40B	B50
5591718	WNMG080412MN KCP40B	B157
5591720	TNMG220412MN KCP40B	B125
5591721	DNMG150412MN KCP40B	B78
5591727	DNMG150612MN KCP40B	B78
5591773	CNMG120404MN KCP40B	B50
5591774	WNMG080408MP KCM25B	B157
5591775	CNMG160616MP KCM25B	B51
5591776	SCMT09T308MP KCM25B	B231
5591777	CCMT120408MP KCM25B	B177
5591778	VBMT160404MP KCM25B	B265
5591779	CNMG120404MP KCM25B	B51
5591780	CNMG160612MP KCM25B	B51
5591781	VNMG160408MP KCM25B	B146
5591782	DNMG150408MP KCM25B	B79
5591783	CCMT09T308MP KCM25B	B177
5591784	DCMT11T308MP KCM25B	B208
5591785	TNMG160404MP KCM25B	B125
5591786	VBMT160404MP KCM25B	B265
5591787	CNMG190608MP KCM25B	B51
5591788	DNMG150604MP KCM25B	B79
5591789	VNMG160404MP KCM25B	B146
5591790	WNMG080412MP KCM25B	B157
5591791	DNMG110408MP KCM25B	B79
5591792	CCMT09T304MP KCM25B	B177
5591793	CCMT120412MP KCM25B	B177
5591794	SCMT120408MP KCM25B	B231
5591795	DNMG150612MP KCM25B	B79
5591796	TNMG220412MP KCM25B	B125
5591799	CNMG190612MP KCM25B	B51
5591900	DNMG150608MP KCM25B	B79
5591901	CNMG120412MP KCM25B	B51
5591902	DNMG150404MP KCM25B	B79
5591903	DNMG150612RN KCP40B	B81
5591904	TCMT16T304MP KCM25B	B245
5591906	TCMT16T308MP KCM25B	B245
5591907	SNMG120408MP KCM25B	B98
5591908	DNMG150416RN KCP40B	B81
5591910	TNMG220408MP KCM25B	B125
5591911	SNMG250924RN KCP40B	B101
5591912	WNMG060408MP KCM25B	B157
5591913	CNMG160616RN KCP40B	B53
5591914	CCMT060204MP KCM25B	B177
5591916	CPMT09T308MP KCM25B	B190
5591919	CNMG160612RP KCM25B	B53
5591930	DNMG110412MP KCM25B	B79
5591931	CNMG190612RP KCM25B	B53
5591932	DNMG150608RP KCM25B	B81

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5591933	SNMG120412MP KCM25B	B98
5591934	SNMG190612MP KCM25B	B98
5591935	SNMG190612RP KCM25B	B101
5591936	SNMG190616RP KCM25B	B101
5591937	WNMG060404MP KCM25B	B157
5591938	WNMG080412RP KCM25B	B159
5591939	SNMG150608MP KCM25B	B98
5591950	CNMG120404RP KCM25B	B53
5591952	SNMG120416MP KCM25B	B98
5591953	SNMG150616RP KCM25B	B101
5591954	SNMG150612MP KCM25B	B98
5591955	CNMG190616RP KCM25B	B53
5591956	TNMG160412MP KCM25B	B125
5591957	CNMG120416RP KCM25B	B53
5591959	WNMG080408RP KCM25B	B159
5591960	CNMG160616RP KCM25B	B53
5591962	TNMG220408RP KCM25B	B128
5591963	CNMG120408MW KCM25B	B52
5591964	TNMG220412RP KCM25B	B128
5591967	TNMG270612RP KCM25B	B128
5591968	SNMG150612RN KCP40B	B101
5591970	TNMG330924RN KCP40B	B127
5591971	CNMG190612RP KCP40B	B53
5591972	WNMG080408RP KCP40B	B159
5591973	CNMG190612RN KCP40B	B53
5591974	TNMG330924RP KCP40B	B128
5591975	CNMG190616RN KCP40B	B53
5591976	DNMG150408RP KCM25B	B81
5591977	SNMG190616RN KCP40B	B101
5591979	WNMG080412RN KCP40B	B159
5591982	SNMG120412RP KCM25B	B101
5591983	CNMG160612RN KCP40B	B53
5591986	TNMG220408RN KCP40B	B127
5591987	CNMG120408UP KCM25B	B54
5591988	SNMG120412RN KCP40B	B101
5591989	CNMG190612UP KCM25B	B54
5591990	SNMG120416RN KCP40B	B101
5591991	CNMG120412UP KCM25B	B54
5591992	TNMG270616RN KCP40B	B127
5591993	CNMG120404UP KCM25B	B54
5591995	DNMG150408UP KCM25B	B82
5591998	DNMG150616RN KCP40B	B81
5592000	SNMG120408RN KCP40B	B101
5592003	WNMG060408UP KCM25B	B160
5592005	WNMG080408UP KCM25B	B160
5592006	RNMG190600RN KCP40B	B94
5592007	DNMG150608UP KCM25B	B82
5592008	DNMG150608RN KCP40B	B81
5592010	TNMG220412RN KCP40B	B127
5592012	CNMG160612UP KCM25B	B54
5592103	CNMG160608MR KCP25B	B51
5592107	WNMG060408MR KCP25B	B157
5592121	TNMG220408MR KCP25B	B126
5592123	TNMG220408MR KCM25	B126
5592124	SNMG120408MR KCP25B	B99
5592128	CNMG190616MR KCP25B	B51
5592141	DNMG110408MR KCP25B	B80
5592142	DNMG110408MR KCP10B	B80
5592146	TNMG270612MR KCP25B	B126
5592160	VNMG160412MR KCM15	B146
5592162	WNMG080416MR KCP10B	B157
5592163	WNMG080416MR KCP25B	B157
5593078	KTMDUWD15L040Z1	W29
5593079	KTMDUWD20L060Z2	W29
5593100	KTMDUWD23L070Z2	W29
5593101	KTMDUWD26L080Z3	W29
5593102	KTMDUWD36L095Z3	W34
5593103	KTMDUWD31L095Z4	W29
5593104	KTMDUWD42L120Z4	W34
5593122	KTMDUCD15L060Z1	W30
5593123	KTMDUCD17L065Z2	W30
5593124	KTMDUCD20L080Z2	W30
5593128	KTMDUED23L086Z2	W31
5593129	KTMDUED26L105Z3	W31
5593130	KTMDUED36L144Z3	W34
5593131	KTMDUED31L115Z4	W31
5593136	KTMDUSD42L400Z4	W35
5593137	KTMDUSD48L400Z5	W35
5593138	KTMDUSD56L400Z6	W35
5593141	TMS25D52L40Z8	W12
5593142	TMS25D36L34Z5	W12
5593143	TMS25D44L38Z6	W12
5593144	TMST25D36L34Z5	W13
5593149	TM24D14L26Z1	W4
5593150	TM24D15L30Z1	W4
5593151	TM24D16L28Z2	W4
5593152	TM24D16L36Z1	W4
5593153	TMT24D14L26Z1	W5
5593159	TM41D21L45Z1	W24
5593170	TM41D25L43Z2	W24
5593171	TM41D30L43Z3	W24
5593172	TM41D30L65Z3	W24
5593173	TM41D36L43Z5	W24
5593174	TM41D36L65Z4	W24
5593175	TMS41D48L50Z5	W25
5593176	TMS41D58L50Z6	W25
5593184	TM40D22L43Z3	W17
5593185	TM40D22L65Z3	W17
5593186	TM40D30L55Z4	W17
5593187	TM40D30L80Z3	W17
5593188	TMS40D44L48Z6	W18
5593189	TMS40D52L50Z8	W18
5593190	TMST40D45L48Z6	W19
5593383	KTMDU11L0515N60 KC635M	W32
5593385	KTMDU11L1520N60 KC635M	W32
5593386	KTMDU11L2025N60 KC635M	W32
5593387	KTMDU11L2525N60 KC635M	W32
5593388	KTMDU11L2540N60 KC635M	W32
5593389	KTMDU16L1520N60 KC635M	W36
5593680	KTMDU16L2535N60 KC635M	W36
5593681	KTMDU16L4060N60 KC635M	W36
5593682	KTMDU11L4816N55 KC635M	W32
5593683	KTMDU11L1612N55 KC635M	W32
5593684	KTMDU11L1107N55 KC635M	W32
5593686	KTMDU16L1107N55 KC635M	W36
5593687	KTMDU16L0604N55 KC635M	W36
5593688	KTMDU11L0515N60 KC610M	W32
5593689	KTMDU11L1520N60 KC610M	W32
5593690	KTMDU11L2025N60 KC610M	W32
5593691	KTMDU11L2525N60 KC610M	W32
5593692	KTMDU11L2540N60 KC610M	W32
5593693	KTMDU16L1520N60 KC610M	W36
5593694	KTMDU16L2535N60 KC610M	W36
5593695	KTMDU16L4060N60 KC610M	W36
5593696	KTMDU11L4816N55 KC610M	W32
5593697	KTMDU11L1612N55 KC610M	W32
5593698	KTMDU11L1107N55 KC610M	W32
5593699	KTMDU16L1612N55 KC610M	W36
5593710	KTMDU16L1107N55 KC610M	W36
5593711	KTMDU16L0604N55 KC610M	W36
5593712	TM24N32UN KC635M	W6
5593713	TM24N28UN KC635M	W6
5593714	TM24N24UN KC635M	W6
5593715	TM24N20UN KC635M	W6
5593716	TM24N18UN KC635M	W6
5593717	TM24N16UN KC635M	W6
5593718	TM24N14UN KC635M	W6
5593719	TM24N12UN KC635M	W6
5593720	TM24N10UN KC635M	W6
5593721	TM24N050ISO KC635M	W6
5593722	TM24N075ISO KC635M	W6
5593723	TM24N100ISO KC635M	W6
5593724	TM24N125ISO KC635M	W6
5593725	TM24N150ISO KC635M	W6
5593726	TM24N175ISO KC635M	W6
5593727	TM24N200ISO KC635M	W6
5593728	TM24N250ISO KC635M	W6
5593729	TM24EN18NPT KC635M	W6
5593740	TM24EN18NPTF KC635M	W7
5593741	TM24EN19BSF KC635M	W6
5593742	TM24EN14BSF KC635M	W6
5593743	TM24EN19BSPT KC635M	W7
5593744	TM24ENBLANK	W7
5593745	TM41N8UN KC635M	W26
5593746	TM41N7UN KC635M	W26
5593747	TM41N6UN KC635M	W26
5593748	TM41N5UN KC635M	W26
5593749	TM41N45UN KC635M	W26
5593750	TM41N4UN KC635M	W26
5593751	TM41N300ISO KC635M	W26
5593752	TM41N350ISO KC635M	W26
5593753	TM41N400ISO KC635M	W26
5593754	TM41N450ISO KC635M	W26
5593755	TM41N500ISO KC635M	W26
5593756	TM41N550ISO KC635M	W26
5593757	TM41N600ISO KC635M	W26
5593758	TM41EN8NPT KC635M	W26
5593759	TM41ENBLANK	W26
5593760	TM40N20UN KC635M	W20
5593762	TM40N16UN KC635M	W20
5593764	TM40N12UN KC635M	W20
5593767	TM40N8UN KC635M	W20
5593768	TM40N100ISO KC635M	W20
5593769	TM40N150ISO KC635M	W20
5593780	TM40N200ISO KC635M	W20
5593782	TM40N300ISO KC635M	W20
5593786	TM40EN11BSF KC635M	W20
5593788	TM40EN008NPT KC635M	W20
5593790	TM40EN008NPTF KC635M	W21
5593791	TM40EN011BSPT KC635M	W21
5593792	TM40ENBLANK	W21
5593793	TM24N32UN KC610M	W6
5593794	TM24N28UN KC610M	W6
5593795	TM24N24UN KC610M	W6
5593797	TM24N20UN KC610M	W6
5593798	TM24N18UN KC610M	W6
5593799	TM24N16UN KC610M	W6
5593800	TM24N14UN KC610M	W6
5593801	TM24N12UN KC610M	W6
5593802	TM24N10UN KC610M	W6
5593803	TM24N050ISO KC610M	W6
5593804	TM24N075ISO KC610M	W6
5593805	TM24N100ISO KC610M	W6
5593806	TM24N125ISO KC610M	W6
5593807	TM24N150ISO KC610M	W6
5593808	TM24N175ISO KC610M	W6
5593809	TM24N200ISO KC610M	W6
5593830	TM24N250ISO KC610M	W6
5593831	TM24EN18NPT KC610M	W6
5593832	TM24EN18NPTF KC610M	W7
5593833	TM24EN19BSF KC610M	W6
5593834	TM24EN14BSF KC610M	W6
5593835	TM24EN19BSPT KC610M	W7
5593837	TM41N8UN KC610M	W26
5593838	TM41N7UN KC610M	W26
5593839	TM41N6UN KC610M	W26
5593840	TM41N5UN KC610M	W26
5593841	TM41N45UN KC610M	W26
5593842	TM41N4UN KC610M	W26
5593843	TM41N300ISO KC610M	W26
5593844	TM41N350ISO KC610M	W26
5593845	TM41N400ISO KC610M	W26
5593846	TM41N450ISO KC610M	W26
5593847	TM41N500ISO KC610M	W26
5593848	TM41N550ISO KC610M	W26
5593850	TM41N600ISO KC610M	W26
5593851	TM41EN8NPT KC610M	W26
5593853	TM40N20UN KC610M	W20
5593854	TM40N18UN KC610M	W20
5593855	TM40N16UN KC610M	W20
5593856	TM40N14UN KC610M	W20
5593857	TM40N12UN KC610M	W20
5593858	TM40N10UN KC610M	W20
5593859	TM40N9UN KC610M	W20
5593870	TM40N8UN KC610M	W20
5593871	TM40N100ISO KC610M	W20
5593872	TM40N150ISO KC610M	W20
5593873	TM40N200ISO KC610M	W20
5593874	TM40N250ISO KC610M	W20
5593875	TM40N300ISO KC610M	W20
5593876	TM40EN16BSF KC610M	W20
5593877	TM40EN14BSF KC610M	W20
5593878	TM40EN12BSF KC610M	W20
5593879	TM40EN11BSF KC610M	W20
5593880	TM40EN115NPT KC610M	W20
5593881	TM40EN008NPT KC610M	W20
5593882	TM40EN115NPTF KC610M	W21
5593883	TM40EN008NPTF KC610M	W21
5593884	TM40EN011BSPT KC610M	W21
5593886	CNMG120408MR KCU10	B51
5593887	DNMG150408MR KCU10	B80
5593888	CNMG120412MR KCU10	B51
5593931	WNMG080408MR KCU10	B157
5593933	SNMG120408MR KCU10	B99
5593934	SNMG120412MR KCU10	B99
5593937	DNMG150608MR KCU10	B80
5595038	VNMG160408FF KCP10B	B145
5596414	CCMT120408LF KCM25B	B177
5596415	CCMT09T308LF KCM25B	B177
5596416	VBMT160408LF KCM25B	B265
5596417	DCMT11T308LF KCM25B	B207
5596418	VBMT160404LF KCM25B	B265
5596419	DCMT11T304LF KCM25B	B207
5596450	CCMT09T304LF KCM25B	B177
5596451	CCMT060204LF KCM25B	B177
5596455	CCMT09T308MF KCM25B	B177
5596456	CCMT120408MF KCM25B	B177
5596457	CNMG120408MN KCP40B	B50
5596460	CNMG120408MP KCM25B	B51
5596461	TNMG160408MP KCM25B	B125
5596462	CNMM190624RH KCP40B	B55
5596463	SNMM190616RM KCP40B	B103
5596465	CNMG120412RN KCP40B	B53
5596466	CNMG120416RN KCP40B	B53
5596468	CNMG120408RP KCM25B	B53
5596469	CNMG120412RP KCM25B	B53
5596480	TNMM220412RP KCM25B	B130
5596481	CNMM120408RP KCM25B	B56
5596483	SNMM190616RP KCM25B	B103
5596485	CNMM190616RP KCM25B	B56
5596488	CNMM160612RP KCM25B	B56
5596489	CNMM190612RP KCM25B	B56
5596859	KTIP1328HPM KCP15	H27
5596899	LNUX301940RRP KCP25	E52
5602422	KSEM3234HPGM KC7315	H43
5604719	B269A13800HP KCPK15	G70
5606542	UJBE1000A6AL KCSM15	P54
5606543	UJBE1200A6AL KCSM15	P54
5606544	UJBE1600A6AL KCSM15	P54
5606545	UJBE2000A6AL KCSM15	P54
5606546	UJBE1000A6AN KCSM15	P54
5606547	UJBE1200A6AN KCSM15	P54
5606548	UJBE1600A6AN KCSM15	P54
5606549	UJBE2000A6AN KCSM15	P54
5607996	LNPU15T612SRGE KC520M	T19
5607997	LNPU15T612SRGE KC522M	T19
5607998	LNPU15T612SRGE KC725M	T19
5608030	LNPU15T612SRGE KCPK30	T19
5608034	LNPU15T604SRGE KC520M	T19
5608035	LNPU15T604SRGE KC522M	T19
5608036	LNPU15T604SRGE KC725M	T19
5608037	LNPU15T604SRGE KCK15	T19
5608038	LNPU15T604SRGE KCPK30	T19
5608090	CNMM190616RP KCP25B	B56
5615509	HNHX090516ENLE KCK15	S90, S96
5615514	HNPX090530SNGE KCK15	S91, S97
5615518	HNHX090516SNGE KCK15	S91, S97
5615519	HNHX090516SNGE KC514M	S91, S97
5615534	VNMP160408K KCP10B	B148
5615608	VNMG160408FP KCP25B	B145
5615609	VNMG160408FN KCP10B	B145
5615610	HNHX090516ENLE KC514M	S90, S96
5615650	VNMG160408FN KCP25B	B145
5615680	HNPX090520SNGE KCK15	S91, S97
5615682	HNHX090520SNGE KCK15	S91, S97
5615683	HNHX090520SNGE KC514M	S91, S97
5615684	HNPX090516SNGE KCK15	S91, S97
5615687	HNHX090530SNGE KCK15	S91, S97
5616165	HNHX090520ENLE KCK15	S90, S96
5616166	HNHX090520ENLE KC514M	S90, S96
5616167	HNHX0905ANSNGE KCK15	S90, S96
5616168	HNHX0905ANSNGE KC514M	S90, S96
5618002	SNMM150612RM KCP25B	B103
5619961	SDET120464ENGB KC725M	T105, T112, U51
5619962	SDET120448SNGB KC725M	T105, T112, U51
5619963	SDET120448ENGB KC725M	T105, T112, U51
5619964	SDET120432ENGB KC725M	T105, T112, U51
5620156	LNPU221012PNSLHD2 KC520M	S121, S123
5620157	LNPU221012PNSLHD2 KCPK30	S121, S123
5620158	LNPU221012PNSRHD2 KCPM40	S121, S123

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5620360	LNPU221012PNSRHD2 KCPK30	S121, S123
5620745	LNPU2410ANSRHD2 KCPM40	S117
5620747	LNPU2410ANSRHD2 KCPK30	S117
5620748	SM-906LH KC720	S116, S120, S122
5626642	KSEM1250HPGM KCPM45	H45
5626643	KSEM1280HPGM KCPM45	H45
5626644	KSEM1300HPGM KCPM45	H45
5626645	KSEM1350HPGM KCPM45	H45
5626647	KSEM1360HPGM KCPM45	H45
5626648	KSEM1380HPGM KCPM45	H45
5626649	KSEM1389HPGM KCPM45	H45
5626700	KSEM1410HPGM KCPM45	H45
5626701	KSEM1450HPGM KCPM45	H45
5626702	KSEM1468HPGM KCPM45	H45
5626703	KSEM1500HPGM KCPM45	H45
5626704	KSEM1508HPGM KCPM45	H45
5626705	KSEM1550HPGM KCPM45	H45
5626706	KSEM1580HPGM KCPM45	H45
5626707	KSEM1588HPGM KCPM45	H45
5626708	KSEM1600HPGM KCPM45	H45
5626709	KSEM1627HPGM KCPM45	H45
5626710	KSEM1650HPGM KCPM45	H45
5626711	KSEM1700HPGM KCPM45	H45
5626712	KSEM1707HPGM KCPM45	H45
5626713	KSEM1750HPGM KCPM45	H45
5626714	KSEM1786HPGM KCPM45	H45
5626715	KSEM1850HPGM KCPM45	H45
5626716	KSEM1865HPGM KCPM45	H45
5626717	KSEM1923HPGM KCPM45	H45
5626718	KSEM1945HPGM KCPM45	H45
5626719	KSEM2024HPGM KCPM45	H45
5626720	KSEM2050HPGM KCPM45	H45
5626721	KSEM2143HPGM KCPM45	H45
5626722	KSEM2150HPGM KCPM45	H45
5626723	KSEM2183HPGM KCPM45	H45
5626724	KSEM2244HPGM KCPM45	H45
5626725	KSEM2250HPGM KCPM45	H45
5626726	KSEM2342HPGM KCPM45	H45
5626727	KSEM2350HPGM KCPM45	H45
5626728	KSEM2450HPGM KCPM45	H45
5626729	KSEM2461HPGM KCPM45	H46
5626730	KSEM2550HPGM KCPM45	H46
5626731	KSEM2650HPGM KCPM45	H46
5626732	KSEM2659HPGM KCPM45	H46
5626733	KSEM2750HPGM KCPM45	H46
5626734	KSEM2778HPGM KCPM45	H46
5626735	KSEM2818HPGM KCPM45	H46
5626736	KSEM2850HPGM KCPM45	H46
5626737	KSEM2937HPGM KCPM45	H46
5626738	KSEM2950HPGM KCPM45	H46
5626739	KSEM2977HPGM KCPM45	H46
5626740	KSEM3050HPGM KCPM45	H46
5626741	KSEM3096HPGM KCPM45	H46
5626742	KSEM3100HPGM KCPM45	H46
5626743	KSEM3150HPGM KCPM45	H46
5626746	KSEM3250HPGM KCPM45	H46
5626747	KSEM3254HPGM KCPM45	H46
5626748	KSEM3350HPGM KCPM45	H46
5626749	KSEM3400HPGM KCPM45	H46
5626760	KSEM3450HPGM KCPM45	H46
5626761	KSEM3493HPGM KCPM45	H46
5626762	KSEM3500HPGM KCPM45	H46
5626763	KSEM3651HPGM KCPM45	H46
5626764	KSEM3700HPGM KCPM45	H46
5626765	KSEM3731HPGM KCPM45	H46
5626766	KSEM3750HPGM KCPM45	H46
5626767	KSEM3800HPGM KCPM45	H46
5626768	KSEM3846HPGM KCPM45	H46
5626769	KSEM3900HPGM KCPM45	H46
5627784	LNGU15T616SRGE KC520M	T19
5627785	LNGU15T616SRGE KC522M	T19
5627786	LNGU15T616SRGE KC725M	T19
5627787	LNGU15T616SRGE KCK15	T19
5627788	LNGU15T616SRGE KCPK30	T19
5627789	LNGU15T616ERGE KC725M	T18
5627870	LNGU15T616ERGE KCSM30	T18
5627871	LNGU15T616ERGE KCPM40	T18
5628796	CNMG120408MR KCPK05	B51
5628797	CNMG120412MR KCPK05	B51
5628831	CNMG160616RN KCPK05	B53
5628832	CNMG160616RP KCPK05	B53
5628833	DNMG150408MR KCPK05	B80
5628835	DNMG150412RN KCPK05	B81
5628837	DNMG150412MR KCPK05	B80
5628838	DNMG150608MW KCPK05	B80
5628839	DNMG150612RN KCPK05	B81
5628841	SNMG150616RN KCPK05	B101
5628844	WNMG080408RP KCPK05	B159
5628845	WNMG080408MR KCPK05	B157
5628847	WNMG080412RN KCPK05	B159
5628849	WNMG080412RP KCPK05	B159
5628850	WNMG080412MR KCPK05	B157
5629530	CNMG120412RN KCPK05	B53
5629532	CNMG190616RN KCPK05	B53
5629534	CNMM160616RP KCPK05	B56
5629536	DNMG150408MN KCPK05	B78
5629538	WNMG080408MW KCPK05	B158
5630018	LNGU15T616SRGEM KC520M	T19
5630019	LNGU15T616SRGEM KCK15	T19
5630070	LNGU15T616SRGEM KCPK30	T19
5630740	SNPJ10T308SNGD KC520M	S61
5630741	SNPJ10T308SNGD KCPM40	S61
5630742	SNPJ10T308SNGD KCK15	S61
5630743	SNPJ10T308SNGD KCPK30	S61
5630744	SNPJ10T312SNGD KCPM40	S61
5630745	SNPJ10T312SNGD KCK15	S61
5630746	SNPJ120608SNGD KC520M	S64
5630747	SNPJ120608SNGD KCPM40	S64
5630748	SNPJ120608SNGD KCK15	S64
5630751	SNPJ120616SNGD KCPM40	S64
5630752	SNPJ120616SNGD KCK15	S64
5631151	SNMG120408RP KCP25B	B101
5631155	SNMG120408RN KCP25B	B101
5635433	ND3040L KCU25	D14
5639385	DCMT11T308FP KCK20B	B207
5639388	DCMT11T308MP KCK20B	B208
5639660	DCMT11T312MF KCK20B	B208
5639663	DNMA150408 KCK20B	B75
5639666	DNMA150612 KCK20B	B75
5639667	DNMG110408RP KCK20B	B81
5639668	DNMG150408RP KCK20B	B81
5639681	DNMG150612RP KCK20B	B81
5639683	DPMT070208FW KCK20B	B215
5639689	RCMT0803M0 KCK20B	B224
5639690	RCMT10T3M0 KCK20B	B224
5639691	RCMT1204M0 KCK20B	B224
5639693	RCMT2006M0 KCK20B	B224
5639699	SCMT09T308MF KCK20B	B231
5639700	SCMT09T308MP KCK20B	B231
5639701	SCMT120408LF KCK20B	B230
5639702	SCMT120408MF KCK20B	B231
5639703	SCMT120408MP KCK20B	B231
5639705	SCMT120412MF KCK20B	B231
5639707	SCMW09T308 KCK20B	B232
5639708	SCMW120408 KCK20B	B232
5639709	SCMW120412 KCK20B	B232
5639710	SNMA120408 KCK20B	B96
5639761	SNMG120408RP KCK20B	B101
5639767	SPMT09T308LF KCK20B	B238
5639781	TCMT110204FP KCK20B	B244
5639782	TCMT110204LF KCK20B	B244
5639784	TCMT110208LF KCK20B	B244
5639785	TCMT110208MF KCK20B	B245
5639786	TCMT110208MP KCK20B	B245
5639787	TCMT16T304LF KCK20B	B244
5639788	TCMT16T304MP KCK20B	B245
5639790	TCMT16T308LF KCK20B	B244
5639791	TCMT16T308MF KCK20B	B245
5639792	TCMT16T308MP KCK20B	B245
5639793	TCMT16T312LF KCK20B	B244
5639794	TCMT16T312MF KCK20B	B245
5639795	TCMT220408LF KCK20B	B244
5639796	TCMW16T304 KCK20B	B246
5639797	TCMW16T308 KCK20B	B246
5639799	TNMA160408 KCK20B	B123
5639822	TNMA220408 KCK20B	B123
5639823	TNMA220412 KCK20B	B123
5639826	TNMG220408RP KCK20B	B128
5639834	TPMT16T308LF KCK20B	B255
5639837	TPMT16T308MP KCK20B	B255
5639838	TPMT16T312MF KCK20B	B255
5639840	VBMT110308LF KCK20B	B265
5639845	CCMT060204FW KCK20B	B176
5639849	CCMT060208LF KCK20B	B177
5640382	CCMT09T304MF KCK20B	B177
5640383	CCMT09T304MP KCK20B	B177
5640386	CCMT09T308MP KCK20B	B177
5640387	CCMT09T308MW KCK20B	B178
5640388	CCMT09T312MF KCK20B	B177
5640391	CCMT120408MF KCK20B	B177
5640392	CCMT120408MP KCK20B	B177
5640393	CCMT120408MW KCK20B	B178
5640394	CCMT120412LF KCK20B	B177
5640397	CCMW060204 KCK20B	B178
5640399	CCMW09T308 KCK20B	B178
5640400	CCMW120408 KCK20B	B178
5640401	CCMW120412 KCK20B	B178
5640402	CNMA120404 KCK20B	B47
5640403	CNMA160616 KCK20B	B47
5640406	CNMA190616 KCK20B	B47
5640408	CNMG120416RP KCK20B	B53
5640409	CNMG160612RP KCK20B	B53
5640416	CPMT060208MF KCK20B	B190
5640418	CPMT09T304FW KCK20B	B189
5640419	CPMT09T304LF KCK20B	B190
5640421	CPMT09T308LF KCK20B	B190
5640422	CPMT09T308MF KCK20B	B190
5640424	CPMT09T308MW KCK20B	B191
5640425	VBMT160404FP KCK20B	B265
5640427	VBMT160408FP KCK20B	B265
5640428	VBMT160408MP KCK20B	B265
5640429	VBMT160412LF KCK20B	B265
5640431	VNMG160408RP KCK20B	B147
5640436	WNMG080408RP KCK20B	B159
5640437	WNMG080412RP KCK20B	B159
5640442	CCMT060204LF KCM15B	B177
5640443	CCMT09T304LF KCM15B	B177
5640444	CCMT09T308LF KCM15B	B177
5640445	CCMT09T308MF KCM15B	B177
5640448	CCMT120408MF KCM15B	B177
5640449	CNMG120408FP KCM15B	B49
5640480	CNMG120408MP KCM15B	B51
5640482	CNMG120408RP KCM15B	B53
5640483	CNMG120412RP KCM15B	B53
5640484	DCMT11T304LF KCM15B	B207
5640485	DCMT11T308LF KCM15B	B207
5640486	DNMG110404FP KCM15B	B77
5640487	DNMG150612FP KCM15B	B77
5640490	TNMG160408MP KCM15B	B125
5640491	TPMT090204LF KCM15B	B255
5640492	VBMT160404LF KCM15B	B265
5640493	VBMT160408LF KCM15B	B265
5640494	WNMG080408FP KCM15B	B156
5640496	WNMG080412MW KCM15B	B158
5640904	CCMT060204FP KCM15B	B176
5640905	CCMT060204MF KCM15B	B177
5640906	CCMT060204MP KCM15B	B177
5640907	CCMT060208LF KCM15B	B177
5640908	CCMT09T304FP KCM15B	B176
5640909	CCMT09T304MF KCM15B	B177
5640960	CCMT09T304MP KCM15B	B177
5640961	CCMT09T304MW KCM15B	B178
5640962	CCMT09T308FP KCM15B	B176
5640963	CCMT09T308FW KCM15B	B176
5640964	CCMT09T308MP KCM15B	B177
5640965	CCMT09T308MW KCM15B	B178
5640969	CNMG090308MP KCM15B	B51
5640970	CNMG120404FF KCM15B	B48
5640971	CNMG120404MP KCM15B	B51
5640973	CNMG120404UP KCM15B	B54
5640974	CNMG120408FF KCM15B	B48
5640975	CNMG120408FW KCM15B	B49
5640976	CNMG120408MR KCM15B	B51
5640977	CNMG120408P KCM15B	B52
5640978	CNMG120408UP KCM15B	B54
5640979	CNMG120412MP KCM15B	B51
5640980	CNMG120412MR KCM15B	B51
5640981	CNMG120416MP KCM15B	B51
5640982	CNMG160608MP KCM15B	B51
5640985	CNMG160612MP KCM15B	B51
5640986	CNMG160612RP KCM15B	B53
5640988	CNMG190608MP KCM15B	B51
5640997	WNGA080408S01015FWHBMT KBH20	B324
5641044	SNMG150612MR KCM15B	B99
5641046	WNMG080408MR KCM15B	B157
5641047	WNMG080412MR KCM15B	B157
5641048	CNMG120404MR KCM15B	B51
5641055	DNMG150608MR KCM15B	B80
5641062	VNMG160408MR KCM15B	B146
5641064	WNMG060408MR KCM15B	B157
5641067	CPGH09T304 KCM15B	B188
5641069	CPMT060208MF KCM15B	B190
5641090	CPMT09T304LF KCM15B	B190
5641091	CPMT09T308MF KCM15B	B190
5641093	DCMT070204LF KCM15B	B207
5641094	DCMT11T308MF KCM15B	B208
5641095	DNMG110408FW KCM15B	B78
5641096	DNMG150404FF KCM15B	B76
5641098	DNMG150404MP KCM15B	B79
5641099	DNMG150408MP KCM15B	B79
5641101	DNMG150604MP KCM15B	B79
5641102	DNMG150608MP KCM15B	B79
5641105	SNMG120408MP KCM15B	B98
5641107	SNMG150616RP KCM15B	B101
5641108	TCMT110204LF KCM15B	B244
5641109	TNMG160404FF KCM15B	B124
5641110	TNMG160404MP KCM15B	B125
5641111	TNMG160412MP KCM15B	B125
5641113	TNMG220408MP KCM15B	B125
5641114	VNMG160404FF KCM15B	B145
5641115	VNMG160404MP KCM15B	B146
5641116	VNMG160408MP KCM15B	B146
5641117	VNMG160412MP KCM15B	B146
5641118	WNMG080404FW KCM15B	B156
5641119	WNMG080404P KCM15B	B158
5641120	WNMG080408MP KCM15B	B157
5641121	WNMG080408P KCM15B	B158
5641122	WNMG080408RP KCM15B	B159
5641123	WPMT06T304LF KCM15B	B272
5641236	CCMT060204LF KCK20B	B177
5641237	CCMT09T308LF KCK20B	B177
5641238	CCMT09T308MF KCK20B	B177
5641239	CCMT120408LF KCK20B	B177
5641360	CNMA120408 KCK20B	B47
5641361	CNMA120412 KCK20B	B47
5641363	CNMA160612 KCK20B	B47
5641364	CNMG120404UN KCK20B	B54
5641365	CNMG120408RP KCK20B	B53
5641366	CNMG120408UN KCK20B	B54
5641367	CNMG120412RP KCK20B	B53
5641369	DCMT11T304LF KCK20B	B207
5641370	DCMT11T308LF KCK20B	B207
5641371	SCMT09T308LF KCK20B	B230
5641372	SNMA120412 KCK20B	B96
5641373	SNMG120412UN KCK20B	B102
5641375	VBMT160404LF KCK20B	B265
5641377	WNMA080408 KCK20B	B155
5641379	WNMG060408UN KCK20B	B160
5642146	CNMG120412UN KCK20B	B54
5642147	CNMG120416UN KCK20B	B54
5642148	CNMG160608UN KCK20B	B54
5642149	CNMG160612UN KCK20B	B54
5642150	CNMG160616UN KCK20B	B54
5642154	DNMA110408 KCK20B	B75
5642155	DNMA150416 KCK20B	B75
5642158	DNMG150408UN KCK20B	B82
5642159	DNMG150412UN KCK20B	B82
5642160	DNMG150416UN KCK20B	B82
5642161	DNMG150608UN KCK20B	B82
5642162	DNMG150612UN KCK20B	B82
5642165	RCMT2006M0RP KCK20B	B226
5642167	SNMG120408UN KCK20B	B102
5642168	SNMG120416UN KCK20B	B102
5642173	TNMG160408UN KCK20B	B128
5642174	TNMG160412UN KCK20B	B128
5642182	WNMA060412 KCK20B	B155
5642185	WNMG080408UN KCK20B	B160
5642186	WNMG080412UN KCK20B	B160
5650846	TPUN110304 KCK15B	B171
5650847	TPUN160304 KCK15B	B171
5650848	TPUN160308 KCK15B	B171
5651220	RPHT1204M0TX4 X700	V96
5651222	XDLW090408SRD X500	V16

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5651223	XDLW120508SRD X400	V25
5651479	RPHT1204M0E421X4 X500	V95
5652131	XPNT2020T306RF SP6519	V105
5652140	SDHT120412EN422 SP6519	T119
5652239	XDLW090408SRD X400	V16
5652248	XDLT120512ERD411 X500	V24
5652249	XDLT090412ERD411 SP6519	V15
5652489	RPHT1204M0TX4 SP6519	V96
5652490	XDLT090408ERD41 SP6519	V14
5652729	XDLT120508ERD41 SC6525	V23
5652800	RPEX10T3M0F701X4 SP4019	V90
5652874	XPNT32320612RF SP6519	V105
5652878	XPNT4040T716RF SP6519	V105
5652899	XDLT120512ERD411 SP6519	V24
5653062	XPNT16160308RF SP6519	V105
5653064	XPNT5050T716RF SP6519	V105
5653106	XDLT090408ERD41 SC6525	V14
5653137	SDHT120412EN423 X500	T119
5653138	SDHT09T308EN422 X500	T116
5653139	XELT160512ERD41 X500	V30
5653140	XELT160512ERD41 SP6519	V30
5653576	SDHT09T308EN422 SP6519	T116
5653885	SDHT120412EN422 X500	T119
5653890	SDHT09T3AEEN422 SP6519	T116
5653930	XDLT120508ERD41 X500	V23
5653967	XELW160512SRD X400	V31
5654214	XPNT25250408RF SP6519	V105
5654220	XDLT120508ERD41 SP6519	V23
5654267	XPLT060308ERD41 SP6519	V7
5654371	RPHT1204M0TX4 X500	V96
5654377	XPLT060308ERD41 X400	V7
5654397	XPLT060308ERD41 X500	V7
5654405	SDHT09T308EN423 X500	T116
5654744	RPMT1204M0E41X4 SP6519	V96
5654896	XDLT090408ERD41 X500	V14
5655031	SDHT120412EN423 SP6519	T119
5655035	RPHT10T3M0TX4 SP6519	V91
5655104	XELT160512ERD41 SC6525	V30
5655105	SDHT09T308EN423 SP6519	T116
5655109	XDLW120508SRD X500	V25
5655128	RPHT10T3M0TX4 X500	V91
5655172	XDLT090412ERD411 X500	V15
5655255	XDLW090408SRD SC6525	V16
5655265	XPLT060308ERD41 SC6525	V7
5655472	XDLT090408ERD721 GH2	V14
5655817	XELW160512SRD SC3025	V31
5656081	XDLW090408SRD SC3025	V16
5656214	XDLW120508SRD SC3025	V25
5656242	RPEX10T3M0F701X4 GH1	V90
5656252	XDLT120508ERD721 GH2	V23
5656377	7792VXD09-A050Z6R	V12–13
5656380	7792VXD12-A125Z8R	V20–22
5656381	RPMT10T3M0E41X4 X500	V91
5656383	7792VXD12-A052Z5R	V20–22
5656533	SDMT120412EN41 MP91M	T120
5656727	7792VXD09-A040Z3R	V12–13
5656728	7792VXD12-A052Z3R	V20–22
5656729	7792VXD12-A063Z4R	V20–22
5656730	7792VXD12-A080Z5R	V20–22
5656765	SDMT09T308EN41 X500	T117
5656911	RPHT10T3M0E421X4 X700	V90
5656914	7792VXD09-A050Z5R	V12–13
5656917	RPMW10T3M0TX4 X500	V91
5657226	RPMT1204M0E41X4 X500	V96
5657234	7792VXD09-A040Z4R	V12–13
5657235	7792VXD12-A063Z5R	V20–22
5657271	SDMT120412EN41 X500	T120
5657681	RPHT1204M0E442X5 X500	V96
5657863	F3510T S	V9–12
5657893	7792VXD09WA025Z2R	V10, V13
5658074	7792VXD09WA032Z3R	V10, V13
5658181	XER050NTN4-E SP4060	P73
5658182	XER080NN4-C SP4060	P73
5658183	XER080NN4-G SP4060	P73
5658184	XER100NN4-E SP4060	P73
5658186	XER120NN4-J SP4060	P73
5658187	XER160NN4-G SP4060	P73
5658324	RPHT1204M0E442X5 SP6519	V96
5658492	XER160NN4-P SP4060	P73
5658650	ZDET16M540ER721 GH1	T90
5658651	7792VXE16CA040Z2R102	V27, V29
5659130	7792VXD12-160Z7R	V20–22
5659132	7792VXD12SA032Z2R43 S	V18, V22
5659264	RPHT1204M0E442X4 SP6519	V95
5659355	SDMW120412TN SP6519	T120
5659561	RPHT1204M0E442X5 X700	V96
5659562	RPHT10T3M0E422X8 X700	V91
5659563	7792VXE16CA050Z3R102	V27
5659603	ZDET16M525ER721 GH1	T90
5659867	RPHT10T3M0E422X4 SP6519	V91
5659912	ZDET16M520FR721 GH1	T90
5659913	ZDET16M532FR721 GH1	T90
5659914	ZDET16M560FR721 GH1	T90
5659947	7792VXD09CA025Z2R50	V11, V13
5659955	7792VXE16-A063Z5R	V28–29
5659956	7792VXE16-A100Z8R	V28–29
5660025	XE060MN4-C SP4060	P72
5660042	RPMW1204M0TX4 SP6519	V97
5660062	7792VXP06SA032Z5R43 S	V4, V6
5660064	7792VXD12-A066Z4R	V20–22
5660065	7792VXD12-A066Z5R	V20–22
5660220	XER060NN4-G SP4060	P73
5660221	XER120NN4-C SP4060	P73
5660222	XER120NN4-G SP4060	P73
5660223	XER160NN4-J SP4060	P73
5660351	RPHT1204M0E442X4 X500	V95
5660353	XER120NN4-L SP4060	P73
5660448	7792VXD09SA032Z3R43 S	V9, V13
5660462	RPHT10T3M0E422X4 X500	V91
5660778	RPHT10T3M0E422X8 SP6519	V91
5661016	7792VXD09CA032Z3R70	V11, V13
5661017	7792VXD12CA032Z2R70	V19, V22
5661028	7792VXE16-A125Z10R	V28–29
5661037	ZDET16M512FR721 GH1	T90
5661186	SDMT09T308EN41 SP6519	T117
5665481	XE080MN4-C SP4060	P72
5665491	RPHT10T3M0E422X4 X700	V91
5665735	XE040MTN4-C SP4060	P72
5665736	XE050MTN4-C SP4060	P72
5665737	XE160MN4-C SP4060	P72
5665740	SDMT120412EN41 SP6519	T120
5665786	RPMW1204M0TX4 X500	V97
5665804	ZDET16M5PDFR721 GH1	T90
5665820	7792VXP06SA020Z2R35 S	V4, V6
5665928	RPEX1204M0E701X4 X500	V95
5665943	7792VXD12-A125Z11R	V20–22
5665949	ZDET16M508FR721 GH1	T90
5665950	ZDET16M540FR721 GH1	T90
5665957	7792VXE16-160Z12R	V28–29
5665960	XE025MTN4-C SP4060	P72
5665964	7792VXP06SA025Z3R35 S	V4, V6
5665970	XER030NTN4-C SP4060	P73
5665971	XER060NN4-C SP4060	P73
5666016	RPHT10T3M0E421X4 X500	V90
5666144	7792VXD12-A100Z9R	V20–22
5666187	7792VXD12-A052Z4R	V20–22
5666264	SDMT09T308EN41 MP91M	T117
5666365	XE200MN4-C SP4060	P72
5666376	ZDET16M516FR721 GH1	T90
5666394	RPMT10T3M0E41X4 MP91M	V91
5666409	7792VXP06CA025Z4R154	V5–6
5666519	RPHT10T3M0E422X8 X500	V91
5666838	XER200NN4-M SP4060	P73
5666871	XER160NN4-L SP4060	P73
5667006	7792VXE16-A080Z6R	V28–29
5667023	7792VXP06SA025Z4R35 S	V4, V6
5667132	RPMT10T3M0E41X4 SP6519	V91
5667156	XER100NN4-C SP4060	P73
5667399	RPMT1204M0E41X4 MP91M	V96
5667400	RPMW1204M0TX4 MP91M	V97
5667475	7792VXD09-A040Z5R	V12–13
5667478	7792VXD12-A080Z8R	V20–22
5667498	ZDET16M530FR721 GH1	T90
5667591	XER040NTN4-C SP4060	P73
5667592	XER100NN4-G SP4060	P73
5667593	XER160NN4-M SP4060	P73
5667617	XER060NN4-E SP4060	P73
5667618	XER120NN4-E SP4060	P73
5667619	XER200NN4-J SP4060	P73
5667834	7792VXD12-A100Z6R	V20–22
5667884	XER080NN4-E SP4060	P73
5667885	XER160NN4-C SP4060	P73
5667909	XE020MTN4-C SP4060	P72
5667916	7792VXD09SA025Z2R35 S	V9, V13
5667922	ZDET16M525FR721 GH1	T90
5667944	XE030MTN4-C SP4060	P72
5667946	ZDET16M504FR721 GH1	T90
5668058	XER020NTN4-C SP4060	P73
5668059	XER040NTN4-E SP4060	P73
5668061	XER200NN4-G SP4060	P73
5668072	RPHT1204M0E442X4 X700	V95
5671376	M8 1.25 X 25 SHCS	T88, V12, V89, V94
5671642	TB15	V9, V11–12, V21, V87–89
5671643	M20 X 2.5 X 50 SHCS	T118, V21, V28
5672230	7713VR10SA025Z2R35 S	V87, V89
5672231	7713VR10SA032Z3R35 S	V87, V89
5672232	7713VR12-A040Z04R	V94
5672233	7713VR12-A050Z05R	V94
5672234	7713VR12-A063Z06R	V94
5672235	7713VR12-A066Z06R	V94
5672236	7713VR12SA025Z2R35 S	V93–94
5672271	5720VZ16CA032Z2R75 S	T87
5672329	D6014T S	V102
5672330	NLW-16SP S	T118
5672332	FP2506T	V4–5
5672365	SB3230	T118
5672367	SB3413	T115
5672374	D4008T S	V87–89, V93–94
5672375	D4010T S	V18–19, V21, V94, V101–104
5672376	D5013T S	V101–102, V104
5672378	F4011T S	T118
5672381	T9 S	T115, T118
5672387	D4012T S	V21
5672404	FP3007T S	V101, V103–104
5672405	TP20	T86–89, V27–28
5672409	D4007T S	V87–89
5672410	NLW12SP WASHER	T118
5672412	SB3232	T118
5672414	FP3006T	V101, V104
5672415	TP7	V4–5
5672416	SB3621	T115
5672468	M-21-M12-CA25-156 S	V35
5672625	7713VR10-A042Z06R	V89
5672627	5505VX20CA25/020R40	V104
5672766	5720VZ16HA032Z3R75	T89
5672811	7713VR10CA020Z2R40	V88–89
5672812	7713VR10CA032Z3R70	V88–89
5672813	7713VR10-A040Z05R	V89
5672829	M-13-M8-CA16-130 S	V35
5672830	M-18-M10-CA20-190 S	V35
5672831	M-21-M12-CA25-206 S	V35
5672832	M-29-M16-CA32-160 S	V35
5672842	5505VX32WA032R100	V102
5672843	5505VX20SA020R35	V101
5672864	5230VS12-A063Z4R57	T118
5672869	5720VZ16-A050Z03R	T88
5672870	5720VZ16-A063Z4R S	T88
5672876	5230VS09-A050Z4R51	T115
5672883	5230VS12-A080Z5R65	T118
5672892	5720VZ16CA025Z2R75	T87
5672893	5720VZ16SA025Z2R50	T86
5672894	5720VZ16SA032Z2R50	T86
5672984	M-18-M10-CA20-170 S	V35
5672985	M-21-M12-CA25-131 S	V35
5672986	M-21-M12-CA25-181 S	V35
5672987	M-21-M12-CA25-231 S	V35
5672988	M-29-M16-CA32-210 S	V35
5672989	M-29-M16-CA32-310 S	V35
5673047	7713VR10CA025Z3R50	V88–89
5673048	7713VR10CA032Z4R70	V88–89
5673049	7713VR10SA020Z2R25 S	V87, V89
5673050	7713VR10SA032Z4R35 S	V87, V89
5673051	7713VR12-A050Z06R	V94
5673052	7713VR12SA032Z3R35 S	V93–94
5673053	7713VR12SA040Z5R43 S	V93–94
5673112	5505VX25WA025R60	V102
5673113	5505VX40WA040R100	V102
5673114	5505VX50WA050R100	V102
5673115	5505VX25SA025R40	V101
5673141	5505VX32CA032R65	V104
5673167	5230VS12-A063Z4R94	T118
5673169	5230VS12-A100Z6R133	T118
5673174	5720VZ16-A050Z04R	T88
5673236	5230VS12-A080Z5R110	T118
5673237	7792VXP06CA020Z3R154	V5–6
5673238	5720VZ16SA032Z3R50	T86
5673240	7792VXP06CA016Z2R140	V5–6
5673275	F8017S S	V102
5673297	5505VX50WA050R150	V102
5673316	5720VZ16-A080Z5R	T88
5673329	5505VX32WA032R75	V102
5673340	7713VR10-A050Z06R	V89
5673341	7713VR10SA035Z5R35 S	V87, V89
5673342	7713VR12-A052Z06R	V94
5673343	FP2507T	V4–5
5673352	M-13-M8-CA16-110 S	V35
5673360	7713VR12-A040Z05R	V94
5673438	7713VR10-A063Z08R	V89
5673439	7713VR12SA040Z4R43 S	V93–94
5673479	7713VR12-A066Z07R	V94
5673490	5720VZ16-A040Z3R	T88
5673503	7792VXD09SA035Z3R43	V9
5673504	7792VXD12-A050Z4R	V20–21
5673519	M-18-M10-CA20-130 S	V35
5673521	5505VX40WA040R150	V102
5673528	5720VZ16-A063Z5R S	T88
5673542	TP8	V101, V103–104
5673544	T20 S	T118, V101–102, V104
5673546	T15 S	T115, V9–12, V18–19, V21, V93–94, V101–104
5673548	DP5009A S	T86–89
5673587	M-13-M8-CA16-170 S	V35
5673599	7713VR12-A063Z07R	V94
5673610	5505VX25CA025R55	V104
5673616	5720VZ16-A080Z04R	T88
5673629	5720VZ16HA040Z4R75	T89
5673632	5505VX32SA032R50	V101
5673703	M-18-M10-CA20-110 S	V35
5673711	5505VX16SA016R25	V101
5673712	5505VX16CA20/016R30	V104
5673742	5230VS12-A100Z6R76	T118
5673749	5505VX25WA025R69	V103
5673750	5505VX20WA020R34	V103
5673768	7713VR10SA025Z3R35 S	V87, V89
5673769	7713VR12-A052Z05R	V94
5673770	7713VR12CA025Z2R50	V93–94
5673782	M-13-M8-CA16-090 S	V35
5673783	M-29-M16-CA32-260 S	V35
5673785	5505VX25CA32/025R55	V104
5673796	DP5013T S	V27–28
5673801	5230VS09-A050Z4R80	T115
5673828	7713VR10-A050Z07R	V89
5673829	7713VR12-A080Z08R	V94
5673830	7713VR12CA032Z3R70	V93–94
5673899	F3508T S	T115, V9–11
5674437	RPHT1204M0E442X5 SC6525	V96
5674698	RPPT1204M0E432X5 SC6525	V97
5674780	RPHT1204M0E442X8 SC6525	V96
5674803	RPPT1204M0E432X5 X700	V97
5674959	RPPT1204M0E432X8 X500	V97
5675037	RPPT1204M0E432X5 SP6519	V97
5675038	RPPT1204M0E432X5 X500	V97
5675140	RPPT1204M0E432X8 SP6519	V97
5675237	ZDET16M530ER721 GH1	T90
5676726	RIR01E1306 KC6105	K53
5676727	RIR04E1312 KC6105	K53
5676728	RIQ06E1306 KC6105	K55
5676729	RIQ06R0400FB KT6225	K55
5676760	RIQ06E1300 KC6005	K55
5676761	RIQ06E1300 KC6105	K55
5676762	RIQ06E1312 KC6005	K55
5676763	RIQ06E1312 KC6105	K55
5676764	RIQ09E1300 KC6105	K55
5676765	RIQ09E1306 KC6105	K55
5676766	RIQ09E1312 KC6005	K55
5676767	RIQ09E1312 KC6105	K55
5676768	RIQ06EGR00 KC6105	K56
5676769	RIQ06EGR00 KC6305	K56
5676770	RIQ06EGR00 KC6005	K56
5676771	RIQ06EGR06 KC6005	K56
5676772	RIQ06EGR06 KC6105	K56
5676773	RIQ06EGR12 KC6005	K56
5676774	RIQ06EGR12 KC6105	K56
5676775	RIQ06EGR12 KC6305	K56

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5676776	RIQ09EGR00 KC6105	K56
5676777	RIQ09EGR00 KC6305	K56
5676778	RIQ09EGR00 KC6005	K56
5676779	RIQ09EGR06 KC6005	K56
5676780	RIQ09EGR06 KC6105	K56
5676781	RIQ09EGR06 KC6305	K56
5676782	RIQ09EGR12 KC6005	K56
5676783	RIQ09EGR12 KC6105	K56
5676784	RIQ09EGR12 KC6305	K56
5676785	RIQ06EDR00 KC6105	K56
5676786	RIQ06EDR00 KC6305	K56
5676787	RIQ06EDR00 KC6005	K56
5676788	RIQ06EDR06 KC6005	K56
5676790	RIQ06EDR06 KC6105	K56
5676791	RIQ06EDR06 KC6305	K56
5676792	RIQ06EDR12 KC6005	K56
5676794	RIQ06EDR12 KC6105	K56
5676795	RIQ06EDR12 KC6305	K56
5676796	RIQ09EDR06 KC6005	K56
5676797	RIQ09EDR06 KC6105	K56
5676798	RIQ09EDR06 KC6305	K56
5676799	RIQ09EDR12 KC6005	K56
5676800	RIQ09EDR12 KC6105	K56
5676801	RIQ09EDR12 KC6305	K56
5681105	7792VXP06SA016Z2R25 S	V4, V6
5681115	5720VZ16CA032Z3R75 S	T87
5681122	7792VXP06SA020Z3R35 S	V4, V6
5681124	7792VXP06CA032Z5R190 S	V5–6
5682154	ZDET16M550FR721 GH1	T90
5682157	XE100MN4-C SP4060	P72
5682563	RPEX1204M0F701X4 GH1	V95
5682725	M16X2X40 LHSCS S	V28
5682757	TB20	V28
5682767	M12 X 1.75 X 30 SHCS S	T88, T115, T118, V12, V21, V28, V94
5682768	M10 1.5 X 25 SHCS S	T88, V12, V21, V28, V89, V94
5682773	M16 X 2 X 40 SHCS S	T118, V21
5682897	NLW-0.375 S	T115, T118
5684657	LNPU15T608SRGE KCPM40	T19
5684744	RNGN120400TGN KYSP30	V148
5684745	RNGN120400EGN KYSP30	V148
5684746	RNGN120400TGN KYS30	V148
5684747	RNGN120400EGN KYS30	V148
5685937	CNMG120408MN KCPK05	B50
5686413	RCMH3209M0TUP KCP25B	E60
5687543	KSEM1938HPLM KC7320	H50
5689447	DFSP240R5WD32M	J28
5689448	DFSP250R5WD32M	J28–29
5689449	DFSP260R5WD32M	J28
5689500	DFSP265R5WD32M	J28
5689501	DFSP270R5WD32M	J28
5689502	DFSP280R5WD32M	J28
5689503	DFSP290R5WD32M	J28
5689504	DFSP300R5WD32M	J28
5689505	DFSP310R5WD32M	J28
5689506	DFSP320R5WD32M	J28–29
5689507	DFSP330R5WD32M	J28
5689508	DFSP340R5WD32M	J28
5689509	DFSP350R5WD32M	J28
5689510	DFSP360R5WD32M	J28
5689511	DFSP370R5WD32M	J28
5689512	DFSP375R5WD32M	J28
5689513	DFSP380R5WD32M	J28
5689514	DFSP390R5WD32M	J28
5689515	DFSP400R5WD32M	J28–29
5689516	DFSP410R5WD32M	J28
5689517	DFSP420R5WD32M	J28
5689518	DFSP430R5WD32M	J28–29
5689519	DFSP440R5WD32M	J28
5689530	DFSP450R5WD40M	J28
5689531	DFSP460R5WD40M	J28
5689532	DFSP470R5WD40M	J28
5689533	DFSP480R5WD40M	J28–29
5689534	DFSP490R5WD40M	J28
5689535	DFSP500R5WD40M	J28
5689536	DFSP510R5WD40M	J28
5689537	DFSP140R2WD20M	J22
5689538	DFSP520R5WD40M	J28
5689539	DFSP145R2WD20M	J22
5689540	DFSP530R5WD40M	J28
5689541	DFSP150R2WD20M	J22
5689542	DFSP540R5WD40M	J28
5689543	DFSP155R2WD20M	J22
5689544	DFSP550R5WD50M	J28–29
5689545	DFSP160R2WD20M	J22
5689546	DFSP165R2WD32M	J22
5689548	DFSP170R2WD32M	J22–23
5689549	DFSP175R2WD32M	J22
5689550	DFSP180R2WD32M	J22
5689551	DFSP185R2WD32M	J22
5689552	DFSP190R2WD32M	J22
5689553	DFSP195R2WD32M	J22
5689554	DFSP200R2WD32M	J22
5689555	DFSP210R2WD32M	J22–23
5689556	DFSP220R2WD32M	J22
5689557	DFSP230R2WD32M	J22
5689630	DFSP140R3WD20M	J24
5689631	DFSP145R3WD20M	J24
5689632	DFSP150R3WD20M	J24
5689633	DFSP155R3WD20M	J24
5689634	DFSP160R3WD20M	J24
5689635	DFSP165R3WD32M	J24
5689636	DFSP170R3WD32M	J24–25
5689637	DFSP175R3WD32M	J24
5689638	DFSP180R3WD32M	J24
5689639	DFSP185R3WD32M	J24
5689640	DFSP190R3WD32M	J24
5689641	DFSP195R3WD32M	J24
5689642	DFSP200R3WD32M	J24
5689643	DFSP210R3WD32M	J24–25
5689644	DFSP220R3WD32M	J24
5689645	DFSP230R3WD32M	J24
5689684	DFSP175R4WD32M	J26
5689685	DFSP180R4WD32M	J26
5689686	DFSP185R4WD32M	J26
5689687	DFSP190R4WD32M	J26
5689688	DFSP195R4WD32M	J26
5689689	DFSP200R4WD32M	J26
5689690	DFSP210R4WD32M	J26–27
5689691	DFSP220R4WD32M	J26
5689692	DFSP230R4WD32M	J26
5689905	DFSP200R5WD32M	J28
5689906	DFSP210R5WD32M	J28–29
5689907	DFSP220R5WD32M	J28
5689908	DFSP230R5WD32M	J28
5691861	DFSP240R3WD32M	J24
5691862	DFSP250R3WD32M	J24–25
5691863	DFSP260R3WD32M	J24
5691864	DFSP265R3WD32M	J24
5691865	DFSP270R3WD32M	J24
5691866	DFSP280R3WD32M	J24
5691867	DFSP290R3WD32M	J24
5691868	DFSP300R3WD32M	J24
5691869	DFSP310R3WD32M	J24
5691870	DFSP320R3WD32M	J24–25
5691871	DFSP330R3WD32M	J24
5691872	DFSP340R3WD32M	J24
5691873	DFSP350R3WD32M	J24
5691874	DFSP360R3WD32M	J24
5691875	DFSP370R3WD32M	J24
5691876	DFSP375R3WD32M	J24
5691877	DFSP380R3WD32M	J24
5691878	DFSP390R3WD32M	J24
5691879	DFSP400R3WD32M	J24–25
5691880	DFSP410R3WD32M	J24
5691881	DFSP420R3WD32M	J25
5691882	DFSP430R3WD32M	J25
5691883	DFSP440R3WD32M	J25
5691884	DFSP450R3WD40M	J25
5691885	DFSP460R3WD40M	J25
5691886	DFSP470R3WD40M	J25
5691887	DFSP480R3WD40M	J25
5691888	DFSP490R3WD40M	J25
5691889	DFSP500R3WD40M	J25
5691900	DFSP505R3WD40M	J25
5691901	DFSP510R3WD40M	J25
5691902	DFSP520R3WD40M	J25
5691903	DFSP530R3WD40M	J25
5691904	DFSP540R3WD40M	J25
5691905	DFSP550R3WD50M	J25
5692238	DFSP240R4WD32M	J26
5692239	DFSP250R4WD32M	J26–27
5692271	DFSP260R4WD32M	J26
5692272	DFSP265R4WD32M	J26
5692273	DFSP270R4WD32M	J26
5692274	DFSP280R4WD32M	J26
5692275	DFSP290R4WD32M	J26
5692277	DFSP300R4WD32M	J26
5692278	DFSP310R4WD32M	J26
5692279	DFSP320R4WD32M	J26–27
5692291	DFSP330R4WD32M	J26
5692292	DFSP340R4WD32M	J26
5692294	DFSP350R4WD32M	J26
5692295	DFSP360R4WD32M	J26
5692296	DFSP370R4WD32M	J26
5692298	DFSP375R4WD32M	J26
5692299	DFSP380R4WD32M	J26
5692300	DFSP390R4WD32M	J26
5692302	DFSP400R4WD32M	J26–27
5692303	DFSP410R4WD32M	J26
5692304	DFSP420R4WD32M	J27
5692305	DFSP430R4WD32M	J27
5692306	DFSP440R4WD32M	J27
5692307	DFSP450R4WD40M	J27
5692308	DFSP460R4WD40M	J27
5692309	DFSP470R4WD40M	J27
5692310	DFSP480R4WD40M	J27
5692311	DFSP490R4WD40M	J27
5692312	DFSP500R4WD40M	J27
5692313	DFSP510R4WD40M	J27
5692314	DFSP520R4WD40M	J27
5692315	DFSP530R4WD40M	J27
5692316	DFSP540R4WD40M	J27
5692317	DFSP550R4WD50M	J27
5692319	DFSP240R2WD32M	J22
5692320	DFSP250R2WD32M	J22–23
5692321	DFSP260R2WD32M	J22
5692322	DFSP265R2WD32M	J22
5692323	DFSP270R2WD32M	J22
5692324	DFSP280R2WD32M	J22
5692325	DFSP290R2WD32M	J22
5692326	DFSP300R2WD32M	J22
5692327	DFSP310R2WD32M	J22
5692329	DFSP320R2WD32M	J22–23
5692330	DFSP330R2WD32M	J22
5692331	DFSP340R2WD32M	J22
5692332	DFSP350R2WD32M	J22
5692333	DFSP360R2WD32M	J22
5692334	DFSP370R2WD32M	J22
5692335	DFSP375R2WD32M	J22
5692336	DFSP380R2WD32M	J22
5692337	DFSP390R2WD32M	J22
5692338	DFSP400R2WD32M	J22–23
5692339	DFSP410R2WD32M	J22
5692340	DFSP420R2WD32M	J23
5692341	DFSP430R2WD32M	J23
5692342	DFSP440R2WD32M	J23
5692343	DFSP450R2WD40M	J23
5692344	DFSP460R2WD40M	J23
5692345	DFSP470R2WD40M	J23
5692346	DFSP480R2WD40M	J23
5692347	DFSP490R2WD40M	J23
5692348	DFSP500R2WD40M	J23
5692349	DFSP505R2WD40M	J23
5692350	DFSP510R2WD40M	J23
5692351	DFSP520R2WD40M	J23
5692352	DFSP530R2WD40M	J23
5692353	DFSP540R2WD40M	J23
5692354	DFSP550R2WD50M	J23
5692727	SPGX050204HP KCU25	J89
5692728	SPGX050204MD KCU25	J89
5692729	SPGX050204HP KCU40	J89
5692800	SPGX050204MD KCU40	J89
5692801	SPGX050204HP KC7140	J89
5692802	SPGX050204MD KC7140	J89
5692803	DFTX20204HP KCU25	J87
5692804	DFTX20204MD KCU25	J87
5692805	DFTX20204HP KCU40	J87
5692806	DFTX20204MD KCU40	J87
5692807	DFTX20204HP KC7140	J87
5692808	DFTX20204MD KC7140	J87
5692809	SPHX060204R21 KCU25	J100
5692810	SPHX070304R21 KCU25	J100
5692811	SPHX090304R21 KCU25	J100
5692812	SPHX090308R21 KCU25	J100
5692813	SPHX120404R21 KCU25	J100
5694055	CCMT060204MF KCP25B	B177
5694056	CCMT060204UF KCP25B	B178
5694057	CCMT060208LF KCP25B	B177
5694058	CCMT09T304MF KCP25B	B177
5694059	CCMT120412MF KCP25B	B177
5694080	CNMG090304MN KCP25B	B50
5694081	CNMG090308MN KCP25B	B50
5694082	CNMG120404MN KCP25B	B50
5694083	CNMG120404RP KCP25B	B53
5694084	CNMG120412MW KCP25B	B52
5694085	CNMG120416MN KCP25B	B50
5694086	CNMG160608MN KCP25B	B50
5694087	CNMG160608RN KCP25B	B53
5694088	CNMG160608RP KCP25B	B53
5694090	CNMG190608MN KCP25B	B50
5694091	CNMG190608RN KCP25B	B53
5694092	CNMG190612RP KCP25B	B53
5694093	CNMG190616RP KCP25B	B53
5694094	CNMG190624RN KCP25B	B53
5694095	CNMP120404K KCP25B	B57
5694096	CNMP120408K KCP25B	B57
5694097	CPGH09T308 KCP25B	B188
5694098	CPMT060208LF KCP25B	B190
5694100	CPMT060208MF KCP25B	B190
5694101	CPMT09T304LF KCP25B	B190
5694102	DCMT070204LF KCP25B	B207
5694103	DCMT11T304MF KCP25B	B208
5694104	DCMT150404LF KCP25B	B207
5694105	DCMT150408LF KCP25B	B207
5694106	DNMG110404MN KCP25B	B78
5694107	DNMG110408MN KCP25B	B78
5694108	DNMG110408RP KCP25B	B81
5694109	DNMG110412RP KCP25B	B81
5694120	DNMG150404MN KCP25B	B78
5694121	DNMG150408RP KCP25B	B81
5694122	DNMG150604MN KCP25B	B78
5694123	DNMG150608RN KCP25B	B81
5694125	DNMP150404K KCP25B	B83
5694126	DNMP150408K KCP25B	B83
5694127	DPMT070204LF KCP25B	B215
5694128	DPMT11T304LF KCP25B	B215
5694157	RCGT0602M0RP KCP25B	B223
5694158	RCGT0803M0RP KCP25B	B223
5694170	RCMT1606M0RP KCP25B	B226
5694171	RCMX1003M0RP KCP25B	B226
5694172	SNMM250724RW KCP25B	B103
5694175	CNMM250924RW KCP25B	B56
5694176	TNMM330924MR KCP25B	B129
5694202	170.370	J23, J25, J31, J33, J35, J37
5694627	RCMT1204M0RP KCP10B	B226
5694628	RCMX1003M0RP KCP10B	B226
5694629	SNMM250724RH KCP10B	B102
5694740	SNMM250924RH KCP10B	B102
5694866	CNMG120404UN KCK15B	B54
5694867	CNMG160608UN KCK15B	B54
5694868	CNMG160612UN KCK15B	B54
5694871	CNMG190612UN KCK15B	B54
5694872	DNMG110412UN KCK15B	B82
5694873	DNMG150408UN KCK15B	B82
5694874	DNMG150608UN KCK15B	B82
5694875	DNMG150612UN KCK15B	B82
5694876	SNMG120408UN KCK15B	B102
5694877	SNMG150612UN KCK15B	B102
5694882	VNMG160408UN KCK15B	B147
5694883	WNMG080412UN KCK15B	B160
5696853	TNMP160404K KCP25B	B130
5696854	TNMP160408K KCP25B	B130
5696855	TNMP220408K KCP25B	B130
5696856	TPMT110204LF KCP25B	B255
5696857	TPMT16T304LF KCP25B	B255
5696859	VBMT110308LF KCP25B	B265
5696930	VNMG160404MN KCP25B	B145
5696931	VNMG160408RN KCP25B	B147
5696932	VNMG160412RN KCP25B	B147
5696933	VNMG220408RN KCP25B	B147
5696935	WNMG060408MN KCP25B	B157
5696936	WNMG080408MP KCP25B	B157
5696937	WPMT06T308LF KCP25B	B272

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5696938	CNMG190624MN KCP25B	B50
5696939	SNMG190608RN KCP25B	B101
5696940	CNMP120408 KCP25B	B56
5696941	VNMG220408LF KCP25B	B144
5696942	VNMG220404LF KCP25B	B144
5697010	CCMT060204LF KCP10B	B177
5697011	CCMT120408LF KCP10B	B177
5697012	CNMM160612RP KCP10B	B56
5697013	CNMM160616RM KCP10B	B55
5697014	CNMM190616RH KCP10B	B55
5697015	CNMM190616RP KCP10B	B56
5697016	CNMM190624RH KCP10B	B55
5697017	CNMM190624RW KCP10B	B56
5697018	CPMT060204LF KCP10B	B190
5697019	DCMT11T304LF KCP10B	B207
5697020	DNMG110408FN KCP10B	B77
5697021	DNMG150404FN KCP10B	B77
5697022	DNMG150408FF KCP10B	B76
5697023	DNMG150412FN KCP10B	B77
5697027	SNMG120408FN KCP10B	B97
5697029	TNMG160404FN KCP10B	B124
5697030	TNMG160408RP KCP10B	B128
5697031	TNMG220412FN KCP10B	B124
5697032	TNMM220408RP KCP10B	B130
5697034	TPMT090204LF KCP10B	B255
5697035	VNMG160404FN KCP10B	B145
5697036	WNMG080404FN KCP10B	B155
5697037	WNMG080408FN KCP10B	B155
5697119	RCMT120400 KCP10B	B224
5697160	SCMT120408LF KCP10B	B230
5697161	SNMG120408MN KCP10B	B98
5697163	SNMG150616RP KCP10B	B101
5697164	SNMG190612RN KCP10B	B101
5697165	SPMT09T304UF KCP10B	B239
5697166	TCMT110204LF KCP10B	B244
5697167	TCMT16T304LF KCP10B	B244
5697168	TCMT16T308LF KCP10B	B244
5697169	TCMT220408LF KCP10B	B244
5697170	TNMG160404MN KCP10B	B125
5697171	TNMG160408FF KCP10B	B124
5697172	TNMG160408FW KCP10B	B125
5697173	TNMG160408RN KCP10B	B127
5697174	TNMG160412FW KCP10B	B125
5697175	TNMG160412MW KCP10B	B127
5697176	TNMG220408MN KCP10B	B125
5697177	TNMG220408RN KCP10B	B127
5697178	TNMG220408RP KCP10B	B128
5697179	TNMG220412RN KCP10B	B127
5697180	TNMG270612RN KCP10B	B127
5697181	TNMG330924RN KCP10B	B127
5697183	TPMT110204LF KCP10B	B255
5697184	TPMT16T304LF KCP10B	B255
5697185	VNMG160404FF KCP10B	B145
5697186	VNMG160404MN KCP10B	B145
5697187	VNMG160408RN KCP10B	B147
5697188	VNMG220408RN KCP10B	B147
5697189	VNMP160404K KCP10B	B148
5697202	WNMG060408MN KCP10B	B157
5697203	WNMG060408RP KCP10B	B159
5697204	WNMG080412FW KCP10B	B156
5697910	CCMT060204MF KCP10B	B177
5697912	CCMT09T304MF KCP10B	B177
5697914	CCMT09T308UF KCP10B	B178
5697917	CNMG090308MN KCP10B	B50
5697919	CNMG120404FW KCP10B	B49
5697921	CNMG120404MN KCP10B	B50
5697923	CNMG120408FW KCP10B	B49
5697925	CNMG120412FW KCP10B	B49
5697927	CNMG120412MW KCP10B	B52
5697929	CNMG120416MN KCP10B	B50
5697931	CNMG160608MN KCP10B	B50
5697933	CNMG160608RN KCP10B	B53
5697935	CNMG160616MN KCP10B	B50
5697937	CNMG190608RN KCP10B	B53
5697939	CNMG190612RP KCP10B	B53
5697941	CNMP120404K KCP10B	B57
5697943	CNMP120408K KCP10B	B57
5697945	CPGH09T304 KCP10B	B188
5697947	CPGH09T308 KCP10B	B188
5697949	CPMT09T304LF KCP10B	B190
5697953	DCMT070204LF KCP10B	B207
5697956	DCMT11T304MF KCP10B	B208
5697958	DCMT11T308UF KCP10B	B208
5697960	DCMT11T312LF KCP10B	B207
5697962	DNMG110404MN KCP10B	B78
5697964	DNMG110408FW KCP10B	B78
5697965	DNMG110408MN KCP10B	B78
5697967	DNMG150408MW KCP10B	B80
5697968	DNMG150408RP KCP10B	B81
5697969	DNMG150412CT KCP10B	B76
5697970	DNMG150604MN KCP10B	B78
5697971	DNMG150608MW KCP10B	B80
5697972	DNMG150608RN KCP10B	B81
5697973	DNMG150612MW KCP10B	B80
5697974	DNMG190608RN KCP10B	B81
5697976	DNMG190612RN KCP10B	B81
5697978	DNMP150408K KCP10B	B83
5697979	DNMP150412K KCP10B	B83
5697980	DNMP150608K KCP10B	B83
5697981	DPMT070204LF KCP10B	B215
5697982	DPMT11T304LF KCP10B	B215
5698082	RNMG150600RN KCP25B	B94
5698083	RNMG190600RN KCP25B	B94
5698084	SCMT120408LF KCP25B	B230
5698085	SNMG120404MN KCP25B	B98
5698086	SNMG120408MN KCP25B	B98
5698088	SNMG120416MN KCP25B	B98
5698089	SNMG150616MN KCP25B	B98
5698110	SNMG150616RN KCP25B	B101
5698111	SNMG190612MN KCP25B	B98
5698112	SNMG190612RN KCP25B	B101
5698113	SNMG190612RP KCP25B	B101
5698116	SPMT09T308MF KCP25B	B239
5698117	TCMT110204LF KCP25B	B244
5698118	TCMT110208LF KCP25B	B244
5698119	TCMT110208MF KCP25B	B245
5698120	TCMT16T304LF KCP25B	B244
5698121	TCMT16T308LF KCP25B	B244
5698122	TCMT16T308MF KCP25B	B245
5698123	TCMT16T312MF KCP25B	B245
5698124	TCMT220408LF KCP25B	B244
5698125	TNMG160404MN KCP25B	B125
5698126	TNMG160408MW KCP25B	B127
5698127	TNMG160408RN KCP25B	B127
5698128	TNMG220404MN KCP25B	B125
5698129	TNMG220408MN KCP25B	B125
5698130	TNMG220408RN KCP25B	B127
5698131	TNMG220408RP KCP25B	B128
5698133	TNMG220412MN KCP25B	B125
5698134	TNMG220412RN KCP25B	B127
5698135	TNMG220412RP KCP25B	B128
5698136	TNMG220432RP KCP25B	B128
5698137	TNMG270608RN KCP25B	B127
5698139	TNMG270616RN KCP25B	B127
5698140	TNMG270616RP KCP25B	B128
5698141	TNMG330924RN KCP25B	B127
5698146	CCMT060204LF KCP25B	B177
5698147	CCMT120404LF KCP25B	B177
5698148	CCMT120408LF KCP25B	B177
5698149	CCMT120412LF KCP25B	B177
5698160	CNMG120408MP KCP25B	B51
5698161	CNMM120408RM KCP25B	B55
5698162	CNMM120408RP KCP25B	B56
5698163	CNMM160616RM KCP25B	B55
5698164	CNMM160624RM KCP25B	B55
5698165	CNMM190612RM KCP25B	B55
5698166	CNMM190612RP KCP25B	B56
5698167	CNMM190616RH KCP25B	B55
5698168	CNMM190624RW KCP25B	B56
5698169	CPMT060204LF KCP25B	B190
5698170	DCMT11T304LF KCP25B	B207
5698171	DNMG110404FN KCP25B	B77
5698172	DNMG150408FN KCP25B	B77
5698173	DNMM150412RM KCP25B	B82
5698174	DNMM150608RM KCP25B	B82
5698175	DNMM150612RM KCP25B	B82
5698176	DNMM150612RP KCP25B	B83
5698178	SNMG190616RN KCP25B	B101
5698180	SNMM150616RM KCP25B	B103
5698181	SNMM190612RH KCP25B	B102
5698182	SNMM190612RM KCP25B	B103
5698183	SNMM190616RH KCP25B	B102
5698185	SNMM190624RH KCP25B	B102
5698186	SNMM190624RP KCP25B	B103
5698187	TNMG160404FN KCP25B	B124
5698188	TNMG160408FN KCP25B	B124
5698189	TNMG160408RP KCP25B	B128
5698193	TNMM160408RM KCP25B	B129
5698194	TNMM220412RM KCP25B	B129
5698195	TNMM220416RM KCP25B	B129
5698196	TPMT090204LF KCP25B	B255
5698197	VNMG160404FN KCP25B	B145
5698198	WNMG080404FN KCP25B	B155
5698199	WNMG080408FN KCP25B	B155
5698210	TNMM220408RM KCP25B	B129
5698211	SNMM190624RM KCP25B	B103
5698212	CNMM160608RP KCP25B	B56
5698214	CCMT060204LF KCK15B	B177
5698215	CCMT09T304LF KCK15B	B177
5698216	CCMT09T308LF KCK15B	B177
5698217	CCMT09T308MF KCK15B	B177
5698218	CCMT120404LF KCK15B	B177
5698260	CCMT120408MF KCK15B	B177
5698261	CNMA120404 KCK15B	B47
5698262	CNMA120408 KCK15B	B47
5698263	CNMA120416 KCK15B	B47
5698265	CNMA190612 KCK15B	B47
5698266	CNMA190616 KCK15B	B47
5698268	CNMG120408RP KCK15B	B53
5698269	CNMG120412RP KCK15B	B53
5698270	CPMT060204LF KCK15B	B190
5698272	DCMT11T308LF KCK15B	B207
5698277	RCMT1204M0 KCK15B	B224
5698278	SCMT09T308LF KCK15B	B230
5698279	SNMA120408 KCK15B	B96
5698280	SNMA120412 KCK15B	B96
5698281	SNMA150612 KCK15B	B96
5698284	TNMA160408 KCK15B	B123
5698287	TNMA220412 KCK15B	B123
5698288	TNMG160404FN KCK15B	B124
5698289	TNMG160408FN KCK15B	B124
5698300	VBMT160404LF KCK15B	B265
5698301	VBMT160408LF KCK15B	B265
5698302	VNMG160404FN KCK15B	B145
5698305	WNMG060408FN KCK15B	B155
5698306	WNMG080408FN KCK15B	B155
5698307	WNMG080408MW KCK15B	B158
5698436	M4D050Z04S22LN15	T17
5698437	M4D063Z05S22LN15	T17
5698438	M4D080Z05S27LN15	T17
5698439	M4D100Z06S32LN15	T17
5698490	M4D125Z07S40LN15	T17
5698491	M4D160Z08S40LN15	T17
5698743	CCMT060208LF KCK15B	B177
5698744	CCMT09T304MF KCK15B	B177
5698747	CNMG120408FW KCK15B	B49
5698770	CPMT09T304LF KCK15B	B190
5698772	CPMT09T308LF KCK15B	B190
5698773	CPMT09T308MF KCK15B	B190
5698775	DCMT070204LF KCK15B	B207
5698777	DNMG150408FW KCK15B	B78
5698778	DNMG150608RP KCK15B	B81
5698781	SCMT09T304LF KCK15B	B230
5698782	SCMT120408LF KCK15B	B230
5698783	SCMT120408MF KCK15B	B231
5698785	SCMT120412MF KCK15B	B231
5698787	SPMT09T304LF KCK15B	B238
5698788	SPMT09T308LF KCK15B	B238
5698789	SPMT09T308MF KCK15B	B239
5698791	TCMT110204LF KCK15B	B244
5698792	TCMT110208LF KCK15B	B244
5698793	TCMT16T308LF KCK15B	B244
5698794	TCMT16T308MF KCK15B	B245
5698796	TCMT220408LF KCK15B	B244
5698799	TPMR110304 KCK15B	B171
5698800	TPMR160304 KCK15B	B171
5698801	TPMR160308 KCK15B	B171
5698802	TPMT110204LF KCK15B	B255
5698804	TPMT16T308LF KCK15B	B255
5698806	TPUN110308 KCK15B	B171
5698807	TPUN220408 KCK15B	B171
5698808	WNMG080408RP KCK15B	B159
5699571	CNMG120408MR KCM25B	B51
5699572	CNMG120412MR KCM25B	B51
5699574	CNMG160616MR KCM25B	B51
5699575	CNMG160612MR KCM25B	B51
5699576	CNMG190612MR KCM25B	B51
5699578	DNMG150408MR KCM25B	B80
5699580	DNMG150608MR KCM25B	B80
5699582	SNMG120408MR KCM25B	B99
5699584	TNMG160408MR KCM25B	B126
5699586	TNMG220412MR KCM25B	B126
5699590	WNMG080408MR KCM25B	B157
5699591	WNMG080412MR KCM25B	B157
5700484	SCMT09T308MF KCK15B	B231
5700485	WNMA080412 KCK15B	B155
5700487	VNMA160408 KCK15B	B144
5701293	MS2263	T4–7
5704053	KCRA40Z03A32RN12	V146
5704054	KCRA50Z04S22RN12	V147
5704055	KCRA50Z06S22RN12	V147
5704056	KCRA63Z06S22RN12	V147
5704057	KCRA63Z09S22RN12	V147
5704058	KCRA80Z08S27RN12	V147
5707893	TNMG160408MP KCP25B	B125
5709281	DNMG150408FN KCPK05	B77
5712913	KW1008	V146–147
5720114	B285D08000HPS KN15	G89
5824127	4CH0200DK004A KC633M	Q24
5824128	4CH0250DL008A KC633M	Q24
5824129	4CH0300DK005A KC633M	Q24
5824130	4CH0350DL010A KC633M	Q24
5824171	4CH0400DK008A KC633M	Q24
5824172	4CH0400DL011A KC633M	Q24
5824173	4CH0450DL011A KC633M	Q24
5824174	4CH0500DK009A KC633M	Q24
5824175	4CH0500DL013A KC633M	Q24
5824176	4CH0550DL013A KC633M	Q24
5824177	4CH0600DK010A KC633M	Q24
5824178	4CH0600DL013A KC633M	Q24
5824179	4CH0650DL016A KC633M	Q24
5824180	4CH0700DK011A KC633M	Q24
5824181	4CH0700DL016A KC633M	Q24
5824182	4CH0800DK012A KC633M	Q24
5824183	4CH0800DL019A KC633M	Q24
5824184	4CH0900DK013A KC633M	Q24
5824185	4CH0900DL019A KC633M	Q24
5824186	4CH1000DK014A KC633M	Q24
5824187	4CH1000DL022A KC633M	Q24
5824188	4CH1200DK016A KC633M	Q24
5824189	4CH1200DL026A KC633M	Q24
5824190	4CH1400DK018A KC633M	Q24
5824191	4CH1400DL026A KC633M	Q25
5824192	4CH1600DK022A KC633M	Q25
5824193	4CH1600DL032A KC633M	Q25
5824194	4CH1800DK024A KC633M	Q25
5824195	4CH1800DL032A KC633M	Q25
5824196	4CH2000DK026A KC633M	Q25
5824197	4CH2000DL038A KC633M	Q25
5824198	4CH0400DD011A KC633M	Q26
5824199	4CH0500DD013A KC633M	Q26
5824200	4CH0600DD013A KC633M	Q26
5824201	4CH0800DD019A KC633M	Q26
5824202	4CH1000DD022A KC633M	Q26
5824203	4CH1200DD026A KC633M	Q26
5824204	4CH1400DD026A KC633M	Q26
5824205	4CH1600DD032A KC633M	Q26
5824206	4CH1800DD032A KC633M	Q26
5824207	4CH2000DD038A KC633M	Q26
5824208	4CH1200DK016B KC633M	Q24
5824209	4CH1200DL026B KC633M	Q24
5824210	4CH1400DK018B KC633M	Q24
5824211	4CH1400DL026B KC633M	Q25
5824212	4CH1600DK022B KC633M	Q25
5824213	4CH1600DL032B KC633M	Q25
5824214	4CH1800DK024B KC633M	Q25
5824215	4CH1800DL032B KC633M	Q25
5824216	4CH2000DK026B KC633M	Q25
5824217	4CH2000DL038B KC633M	Q25
5824218	4CH0200MR006A KC633M	Q27
5824219	4CH0300MR009A KC633M	Q27
5824220	4CH0300ML019A KC633M	Q27
5824221	4CH0300MX025A KC633M	Q27
5824222	4CH0400MR011A KC633M	Q27
5824223	4CH0400ML019A KC633M	Q27
5824224	4CH0400MX031A KC633M	Q27
5824225	4CH0500MR030A KC633M	Q27
5824226	4CH0600MR016A KC633M	Q27

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5824227	4CH0600ML028A KC633M	Q27
5824228	4CH0600MX038A KC633M	Q27
5824229	4CH0800MR020A KC633M	Q27
5824230	4CH0800ML028A KC633M	Q27
5824231	4CH0800MX041A KC633M	Q27
5824232	4CH1000MR022A KC633M	Q27
5824233	4CH1000ML032A KC633M	Q27
5824234	4CH1000MX045A KC633M	Q27
5824235	4CH1200MR025A KC633M	Q27
5824236	4CH1200ML045A KC633M	Q27
5824237	4CH1200MX075A KC633M	Q27
5824238	4CH1400MR032A KC633M	Q27
5824239	4CH1400ML050A KC633M	Q27
5824240	4CH1400MX075A KC633M	Q27
5824241	4CH1600MR032A KC633M	Q27
5824242	4CH1600ML056A KC633M	Q28
5824243	4CH1600MX075A KC633M	Q28
5824244	4CH1800MR038A KC633M	Q28
5824245	4CH1800ML060A KC633M	Q28
5824246	4CH1800MX075A KC633M	Q28
5824247	4CH2000MR038A KC633M	Q28
5824248	4CH2000ML056A KC633M	Q28
5824249	4CH2000MX075A KC633M	Q28
5824250	4CH1200MR025B KC633M	Q27
5824252	4CH1200ML045B KC633M	Q27
5824253	4CH1200MX075B KC633M	Q27
5824254	4CH1400MR032B KC633M	Q27
5824255	4CH1400ML050B KC633M	Q27
5824256	4CH1400MX075B KC633M	Q27
5824257	4CH1600MR032B KC633M	Q27
5824258	4CH1600ML056B KC633M	Q28
5824259	4CH1600MX075B KC633M	Q28
5824260	4CH1800MR038B KC633M	Q28
5824281	4CH1800ML060B KC633M	Q28
5824282	4CH1800MX075B KC633M	Q28
5824283	4CH2000MR038B KC633M	Q28
5824284	4CH2000ML056B KC633M	Q28
5824285	4CH2000MX075B KC633M	Q28
5824720	4BN0300DL008A KC633M	Q29
5824921	4BN0400DL011A KC633M	Q29
5824922	4BN0500DL013A KC633M	Q29
5824923	4BN0600DL013A KC633M	Q29
5824924	4BN0800DL019A KC633M	Q29
5824925	4BN1000DL022A KC633M	Q29
5824926	4BN1200DL026A KC633M	Q29
5824927	4BN1400DL026A KC633M	Q29
5824928	4BN1600DL032A KC633M	Q29
5824929	4BN1800DL032A KC633M	Q29
5824930	4BN2000DL038A KC633M	Q29
5824931	4BN0400DD011A KC633M	Q30
5824932	4BN0500DD013A KC633M	Q30
5824933	4BN0600DD013A KC633M	Q30
5824934	4BN0800DD019A KC633M	Q30
5824935	4BN1000DD022A KC633M	Q30
5824936	4BN1200DD026A KC633M	Q30
5824937	4BN1400DD026A KC633M	Q30
5824938	4BN1600DD032A KC633M	Q30
5824939	4BN1800DD032A KC633M	Q30
5824940	4BN2000DD038A KC633M	Q30
5824951	4BN0300MR020A KC633M	Q31
5824952	4BN0400MR025A KC633M	Q31
5824953	4BN0500MR030A KC633M	Q31
5824954	4BN0600MR030A KC633M	Q31
5824955	4BN0800MR040A KC633M	Q31
5824956	4BN1000MR040A KC633M	Q31
5824957	4BN1200MR025A KC633M	Q31
5824958	4BN1200ML045A KC633M	Q31
5824959	4BN1600MR032A KC633M	Q31
5824960	4BN1800MR038A KC633M	Q31
5824961	4BN2000MR056A KC633M	Q31
5824962	4BN1200DL026B KC633M	Q29
5824964	4BN1600DL032B KC633M	Q29
5824965	4BN1800DL032B KC633M	Q29
5824966	4BN2000DL038B KC633M	Q29
5826308	RIQ09EDR00 KC6105	K56
5826309	RIQ09EDR00 KC6305	K56
5826310	RIQ09R0506FT KT6315	K55
5872943	2CH0200DK003A KC633M	Q6
5872944	2CH0300DK004A KC633M	Q6
5872945	2CH0300DL007A KC633M	Q6
5872946	2CH0350DK004A KC633M	Q6
5872947	2CH0400DK005A KC633M	Q6
5872948	2CH0400DL008A KC633M	Q6
5872949	2CH0450DK005A KC633M	Q6
5872950	2CH0450DL008A KC633M	Q6
5872961	2CH0500DK006A KC633M	Q6
5872962	2CH0500DL010A KC633M	Q6
5872963	2CH0600DK007A KC633M	Q6
5872964	2CH0600DL010A KC633M	Q6
5872965	2CH0700DK008A KC633M	Q6
5872966	2CH0700DL013A KC633M	Q6
5872967	2CH0800DK009A KC633M	Q6
5872968	2CH0800DL016A KC633M	Q6
5872970	2CH0900DK010A KC633M	Q6
5872971	2CH0900DL016A KC633M	Q6
5872972	2CH1000DK011A KC633M	Q6
5872974	2CH1000DL019A KC633M	Q6
5872975	2CH1200DK012A KC633M	Q6
5872976	2CH1200DL022A KC633M	Q6
5872977	2CH1400DK014A KC633M	Q6
5872978	2CH1400DL022A KC633M	Q6
5872979	2CH1600DK016A KC633M	Q7
5872980	2CH1600DL026A KC633M	Q7
5872981	2CH1800DK018A KC633M	Q7
5872982	2CH1800DL026A KC633M	Q7
5872983	2CH2000DK020A KC633M	Q7
5872984	2CH2000DL032A KC633M	Q7
5872985	2CH1200DK012B KC633M	Q6
5872986	2CH1200DL022B KC633M	Q6
5872987	2CH1400DK014B KC633M	Q6
5872988	2CH1400DL022B KC633M	Q6
5872989	2CH1600DK016B KC633M	Q7
5872990	2CH1600DL026B KC633M	Q7
5872991	2CH1800DK018B KC633M	Q7
5872993	2CH2000DK020B KC633M	Q7
5872994	2CH2000DL032B KC633M	Q7
5872995	2CH0300DD007A KC633M	Q8
5872996	2CH0400DD008A KC633M	Q8
5872997	2CH0500DD010A KC633M	Q8
5872998	2CH0600DD010A KC633M	Q8
5872999	2CH0700DD013A KC633M	Q8
5873000	2CH0800DD016A KC633M	Q8
5873001	2CH0900DD016A KC633M	Q8
5873002	2CH1000DD019A KC633M	Q8
5873003	2CH1200DD022A KC633M	Q8
5873005	2CH1400DD022A KC633M	Q8
5873006	2CH1500DD026A KC633M	Q8
5873007	2CH1600DD026A KC633M	Q8
5873008	2CH1800DD026A KC633M	Q8
5873009	2CH2000DD032A KC633M	Q8
5873010	2CH0200MR006A KC633M	Q9
5873011	2CH0250MR006A KC633M	Q9
5873012	2CH0300MR009A KC633M	Q9
5873013	2CH0300ML019A KC633M	Q9
5873014	2CH0300MX025A KC633M	Q9
5873015	2CH0350MR012A KC633M	Q9
5873016	2CH0400MR012A KC633M	Q9
5873017	2CH0400ML019A KC633M	Q9
5873018	2CH0400MX031A KC633M	Q9
5873019	2CH0450MR014A KC633M	Q9
5873020	2CH0480MR014A KC633M	Q9
5873021	2CH0500MR014A KC633M	Q9
5873022	2CH0500ML020A KC633M	Q9
5873023	2CH0500MX031A KC633M	Q9
5873024	2CH0550MR014A KC633M	Q9
5873025	2CH0600MR016A KC633M	Q9
5873026	2CH0600ML028A KC633M	Q9
5873027	2CH0600MX038A KC633M	Q9
5873028	2CH0700MR020A KC633M	Q9
5873029	2CH0800MR020A KC633M	Q9
5873031	2CH0800ML028A KC633M	Q9
5873032	2CH0800MX041A KC633M	Q9
5873033	2CH0900MR020A KC633M	Q9
5873034	2CH1000MR022A KC633M	Q9
5873035	2CH1000ML032A KC633M	Q9
5873036	2CH1000MX045A KC633M	Q9
5873037	2CH1100MR025A KC633M	Q9
5873038	2CH1200MR025A KC633M	Q9
5873039	2CH1200ML045A KC633M	Q10
5873040	2CH1200MX075A KC633M	Q10
5873041	2CH1400MR032A KC633M	Q10
5873042	2CH1400ML050A KC633M	Q10
5873043	2CH1400MX075A KC633M	Q10
5873044	2CH1600MR032A KC633M	Q10
5873045	2CH1600ML056A KC633M	Q10
5873046	2CH1600MX075A KC633M	Q10
5873049	2CH1800MX075A KC633M	Q10
5873050	2CH2000MR038A KC633M	Q10
5873051	2CH2000ML056A KC633M	Q10
5873052	2CH2000MX075A KC633M	Q10
5873053	2CH1200MR025B KC633M	Q9
5873054	2CH1200ML045B KC633M	Q10
5873055	2CH1200MX075B KC633M	Q10
5873056	2CH1400MR032B KC633M	Q10
5873057	2CH1400ML050B KC633M	Q10
5873058	2CH1400MX075B KC633M	Q10
5873059	2CH1600MR032B KC633M	Q10
5873060	2CH1600ML056B KC633M	Q10
5873061	2CH1600MX075B KC633M	Q10
5873065	2CH2000MR038B KC633M	Q10
5873066	2CH2000ML056B KC633M	Q10
5873067	2CH2000MX075B KC633M	Q10
5874065	2BN0200DL006A KC633M	Q11
5874066	2BN0300DK004A KC633M	Q11
5874067	2BN0300DL007A KC633M	Q11
5874068	2BN0400DK005A KC633M	Q11
5874069	2BN0400DL008A KC633M	Q11
5874070	2BN0500DL010A KC633M	Q11
5874161	2BN0600DL010A KC633M	Q11
5874162	2BN0700DL013A KC633M	Q11
5874163	2BN0800DL016A KC633M	Q11
5874164	2BN1000DL019A KC633M	Q11
5874165	2BN1200DL022A KC633M	Q11
5874166	2BN1400DL022A KC633M	Q11
5874167	2BN1600DL026A KC633M	Q11
5874168	2BN2000DK020A KC633M	Q11
5874169	2BN2000DL032A KC633M	Q11
5874170	2BN0200DD007A KC633M	Q12
5874171	2BN0300DD007A KC633M	Q12
5874172	2BN0400DD008A KC633M	Q12
5874173	2BN0500DD010A KC633M	Q12
5874174	2BN0600DD010A KC633M	Q12
5874175	2BN0800DD016A KC633M	Q12
5874176	2BN1000DD019A KC633M	Q12
5874177	2BN1200DD022A KC633M	Q12
5874178	2BN1400DD022A KC633M	Q12
5874179	2BN1600DD026A KC633M	Q12
5874180	2BN2000DD032A KC633M	Q12
5874191	2BN0100MR004A KC633M	Q13
5874192	2BN0200MR006A KC633M	Q13
5874193	2BN0300MR009A KC633M	Q13
5874194	2BN0350MR012A KC633M	Q13
5874195	2BN0400MR012A KC633M	Q13
5874196	2BN0500MR014A KC633M	Q13
5874197	2BN0600MR038A KC633M	Q13
5874198	2BN0800MR040A KC633M	Q13
5874199	2BN1000MR045A KC633M	Q13
5874200	2BN1200MR025A KC633M	Q13
5874201	2BN1200ML045A KC633M	Q13
5874202	2BN1200MX075A KC633M	Q13
5874203	2BN1400MR032A KC633M	Q13
5874204	2BN1600MR032A KC633M	Q13
5874205	2BN2000MR038A KC633M	Q13
5874206	2BN2000ML075A KC633M	Q13
5874646	CNMM160624RP KCP10B	B56
5878707	SPGX070304MD KCPK10	J89
5879813	XNGJ0604ANENLD3W KCPM40	S12
5879814	LNPU2410ANSLHD2 KCPM40	S117
5879816	LNPU2410ANSLHD2 KCPK30	S117
5882266	CNMM250924RH KCP30B	B55
5882267	CNMG120412RN KCP30B	B53
5882268	CNMG120408MN KCP30B	B50
5882269	CNMG120408RN KCP30B	B53
5882270	WNMG080408MN KCP30B	B157
5882322	CNMG120408RP KCP30B	B53
5882323	TNMG160408MN KCP30B	B125
5882324	DNMG150408MN KCP30B	B78
5882580	DT3IP	W34–35
5882752	MS9000	W17–19, W24–25
5882754	MS5001	W12–13
5882756	MS5004	W12
5882757	MS5003	W18–19, W25
5882758	MS5002	W12
5882863	CNMG120408MP KCM35B	B51
5882865	CNMG120412RP KCM35B	B53
5882866	CNMG120408RP KCM35B	B53
5882870	CNMG120408UP KCM35B	B54
5882881	TNMG160404MP KCM35B	B125
5882884	TNMG160408MP KCM35B	B125
5882886	WNMG080408RP KCM35B	B159
5882890	WNMG060408MP KCM35B	B157
5882891	WNMG080408MP KCM35B	B157
5882892	CNMG160612RP KCM35B	B53
5882893	CNMG120404MP KCM35B	B51
5882899	DNMG150612RP KCM35B	B81
5882905	SNMG120408MP KCM35B	B98
5882906	WNMG080412RP KCM35B	B159
5882924	TCMT16T308LF KCK05B	B244
5882925	WNMG080408RP KCK05B	B159
5882934	CCMT060208LF KCK05B	B177
5882966	WNMG080408UN KCK05B	B160
5882972	CNMG120412UN KCK05B	B54
5882973	CNMA120416 KCK05B	B47
5882976	TNMG160412UN KCK05B	B128
5883000	CNMA120404 KCK05B	B47
5883011	CNMG120412FN KCK05B	B49
5883013	VNMG160408UN KCK05B	B147
5883017	SCMT09T308LF KCK05B	B230
5883018	SNMG120412UN KCK05B	B102
5883022	CNMG120416UN KCK05B	B54
5883025	WNMG080404FN KCK05B	B155
5883443	RPPT1204M0SGDX5 KCM40	V97
5883444	RPPT1204M0SGDX8 KCM40	V97
5883445	RPHT1204M0SGDX5 KCM40	V96
5883446	RPHT1204M0SGDX8 KCM40	V96
5883520	CNMG120408RP KCP05B	B53
5883573	DNMG150608MN KCP05B	B78
5883576	CNMG120408MN KCP05B	B50
5883577	DNMG150408MN KCP05B	B78
5883581	TNMG160408FN KCP05B	B124
5886541	CNMG120412RP KCP40B	B53
5886542	CNMG160612RP KCP40B	B53
5886544	SNMG190612RP KCP40B	B101
5886545	TNMG220408RP KCP40B	B128
5887614	SNMG190616RP KCPK05	B101
5892306	CNMG120408MR KCP30B	B51
5892307	DNMG150408RN KCP30B	B81
5892308	SNMG120408MN KCP30B	B98
5892411	CNMG120412MN KCP30B	B50
5892412	WNMG080408RN KCP30B	B159
5892413	CNMG160612RN KCP30B	B53
5892414	TNMG270612RN KCP30B	B127
5892415	SNMG120412RN KCP30B	B101
5892416	TNMG220408RN KCP30B	B127
5892417	CNMG190612RN KCP30B	B53
5892418	CNMG190616RN KCP30B	B53
5892419	TNMG330924RN KCP30B	B127
5892420	WNMG080412RN KCP30B	B159
5892432	CNMM120408MR KCP30B	B54
5892433	CNMG120412P KCP30B	B52
5892434	CNMG120408P KCP30B	B52
5892435	SNMG190616RN KCP30B	B101
5892436	DNMG150408MR KCP30B	B80
5892437	WNMG080408RP KCP30B	B159
5892438	TNMG270616RN KCP30B	B127
5892441	CNMM160612MR KCP30B	B54
5892442	SNMG120408RN KCP30B	B101
5892443	TNMG220412RN KCP30B	B127
5892445	SNMG190612RN KCP30B	B101
5892446	WNMG060412MN KCP30B	B157
5892447	DNMG150412MN KCP30B	B78
5892450	SNMG150616RN KCP30B	B101
5892453	CNMG120412RP KCP30B	B53
5892558	DNMG150612CT KCP05B	B76
5892560	VNMG160408MN KCP05B	B145
5892655	CNMG120408FW KCP05B	B49
5892659	DNMG110408FF KCP05B	B76
5894139	RPPT10T3M0E432X5 X500	V91
5894140	RPPT10T3M0E432X5 SC6525	V91
5894201	RPPT10T3M0E432X5 SP6519	V91
5894202	RPPT10T3M0E432X5 X700	V91
5894258	SDET120412PDSRGB KC725M	T105, T112, U51
5894812	SDET120424ENGB KC725M	T105, T112, U51

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5894813	SDET120424SNGB KC725M	T105, T112, U51
5894815	SDET120416SNGB KC725M	T105, T112, U51
5897007	B967A16500 KC7315	G134
5903579	SNMG150612MR KCPK05	B99
5904367	CNMG160616MG KCP10B	B57
5904368	DNMG150616MG KCP10B	B80
5904369	DNMG150612MG KCP10B	B80
5910213	CPMT060208MF KCP10B	B190
5914006	SCW5E	C49
5914007	SCW8E	C49
5914680	NG3094RK KCP10B	C146
5914889	NGD4M400LK KCU25	C149
5939432	EVSML3232P0432C	C37
5939433	EVSML3232P0426C	C37
5939435	EVSML2525M0426C	C37
5939436	EVSML2525M0416C	C37
5939437	EVSML2525M0326C	C37
5939438	EVSML2525M0316C	C37
5939439	EVSML2020K0422C	C37
5939440	EVSML2020K0416C	C37
5939441	EVSML2020K0322C	C37
5939442	EVSML2020K0316C	C37
5939443	EVSMR3232P0432C	C36
5939444	EVSMR3232P0426C	C36
5939445	EVSMR2525M0426C	C36
5939446	EVSMR2525M0416C	C36
5939447	EVSMR2525M0326C	C36
5939448	EVSMR2525M0316C	C36
5939449	EVSMR2020K0422C	C36
5939450	EVSMR2020K0416C	C36
5939451	EVSMR2020K0322C	C36
5939452	EVSMR2020K0316C	C36
5940092	TPMR160304 KCP25B	B171
5940093	TPMR110304 KCP25B	B171
5941012	LNUX301940RRSM KCP10B	E52
5941056	EG0312M03U02GUP KCU25	C17
5941057	EG0312M03U04GUP KCU25	C17
5941058	EG0312M03U02GUN KCU25	C22
5941059	EG0312M03U04GUN KCU25	C22
5941071	EG0412M04U04GUP KCU25	C17
5941072	EG0412M04U04GUN KCU25	C22
5941073	EC030M03N00CF02 KCU25	C24
5941074	EC030M03L06CF02 KCU25	C24
5941075	EC030M03R06CF02 KCU25	C24
5941076	EC040M04N00CF02 KCU25	C24
5941077	EC040M04L06CF02 KCU25	C24
5941078	EC040M04R06CF02 KCU25	C24
5941079	EC030M03N00CM02 KCU25	C26
5941080	EC040M04N00CM02 KCU25	C26
5941081	EC030M03N00CR02 KCU25	C27
5941082	EC040M04N00CR02 KCU25	C27
5941083	EG0412M04U08GUP KCU25	C17
5941084	EG0412M04U08GUN KCU25	C22
5941085	EC030M03L06CM02 KCU25	C26
5941086	EC030M03R06CM02 KCU25	C26
5941087	EC040M04L06CM02 KCU25	C26
5941088	EC040M04R06CM02 KCU25	C26
5941089	EC030M03L06CR02 KCU25	C27
5941090	EC030M03R06CR02 KCU25	C27
5941091	EC040M04L06CR02 KCU25	C27
5941092	EC040M04R06CR02 KCU25	C27
5941093	EG130I03U05GUP KCU25	C19
5941094	EG130I03U1GUP KCU25	C19
5941095	EG130I03U05GUN KCU25	C23
5941096	EG130I03U1GUN KCU25	C23
5941097	EG192I04U1GUP KCU25	C19
5941098	EG192I04U1GUN KCU25	C23
5941099	EG192I04U2GUP KCU25	C19
5941100	EG192I04U2GUN KCU25	C23
5941101	EG0300M03P02GUP KCU25	C18
5941102	EG0300M03P04GUP KCU25	C18
5941103	EG0400M04P04GUP KCU25	C18
5941104	EG0400M04P08GUP KCU25	C18
5941105	EG0300M03P02GUP K313	C18
5941107	EG0300M03P04GUP K313	C18
5941108	EG0400M04P04GUP K313	C18
5941109	EG0400M04P08GUP K313	C18
5941110	EG125I03P05GUP KCU25	C20
5941111	EG125I03P1GUP KCU25	C20
5941112	EG187I04P1GUP KCU25	C20
5941113	EG187I04P2GUP KCU25	C20
5941114	EG125I03P05GUP K313	C20
5941115	EG125I03P1GUP K313	C20
5941116	EG187I04P1GUP K313	C20
5941117	EG187I04P2GUP K313	C20
5941706	EVBSN19G1B14	C49
5941707	EVBSN19G0220	C49
5941708	EVBSN26J1B15	C49
5941709	EVBSN26J0230	C49
5941710	EVBSN26M0230	C49
5941721	EVBSN26J0340	C49
5941722	EVBSN26M0340	C49
5941723	EVBSN26J0440	C49
5941724	EVBSN32M0250	C49
5941725	EVBSN32M0350	C49
5941726	EVBSN32M0450	C49
5947280	LNGU15T612SRGEM KC520M	T19
5947511	LNGU15T612SRGEM KCK15	T19
5947517	KTIP0794FEGM KCPM45	H29
5947518	KTIP2000FEGM KCPM45	H29
5949101	RCMT1204M0 KCM25B	B224
5949288	KSEM2955HPGM KC7315	H43
5949382	KSEM1600FEGM KCPM45	H54
5949383	KSEM2800FEGM KCPM45	H54
5949384	KSEM4000FEGM KCPM45	H55
5953953	EVSML2525M0226	C37
5953954	EVSML2525M0216	C37
5953955	EVSML2020K0222	C37
5953956	EVSML2020K0216	C37
5953957	EVSMR2525M0226	C36
5953958	EVSMR2525M0216	C36
5953959	EVSMR2020K0222	C36
5953960	EVSMR2020K0216	C36
5954211	EVSML4040R1040C	C38
5954212	EVSML4040R0840C	C38
5954213	EVSML4040R0640C	C38
5954214	EVSML3232P1032C	C38
5954215	EVSML3232P0832C	C38
5954216	EVSML3232P0826C	C38
5954217	EVSML3232P0632C	C38
5954218	EVSML3232P0626C	C38
5954219	EVSML3232P0532C	C37
5954220	EVSML3232P0526C	C37
5954231	EVSML2525M0826C	C38
5954232	EVSML2525M0626C	C37
5954233	EVSML2525M0616C	C37
5954234	EVSML2525M0526C	C37
5954235	EVSML2525M0516C	C37
5954236	EVSML2020K0622C	C37
5954237	EVSML2020K0616C	C37
5954238	EVSML2020K0522C	C37
5954239	EVSML2020K0516C	C37
5954240	EVSMR4040R1040C	C37
5954241	EVSMR4040R0840C	C37
5954242	EVSMR4040R0640C	C37
5954243	EVSMR3232P1032C	C37
5954244	EVSMR3232P0832C	C37
5954245	EVSMR3232P0826C	C37
5954246	EVSMR3232P0632C	C37
5954247	EVSMR3232P0626C	C37
5954248	EVSMR3232P0532C	C37
5954249	EVSMR3232P0526C	C36
5954250	EVSMR2525M0826C	C37
5954251	EVSMR2525M0626C	C37
5954252	EVSMR2525M0616C	C37
5954253	EVSMR2525M0526C	C36
5954254	EVSMR2525M0516C	C36
5954255	EVSMR2020K0622C	C37
5954256	EVSMR2020K0616C	C37
5954257	EVSMR2020K0522C	C36
5954258	EVSMR2020K0516C	C36
5954259	A16MEVEMR0307M	C46
5954260	A20QEVEMR0307M	C46
5954281	A25REVEMR0310M	C46
5954282	A25REVEMR0410M	C46
5954283	A32SEVEMR0312M	C46
5954284	A32SEVEMR0412M	C46
5954285	A16MEVEML0307M	C47
5954286	A20QEVEML0307M	C47
5954287	A25REVEML0310M	C47
5954288	A25REVEML0410M	C47
5954289	A32SEVEML0312M	C47
5954290	A32SEVEML0412M	C47
5955391	EVBSN19G1F16	C49
5955392	EVBSN26J1F17	C49
5955415	EVM50R0526MC	C50
5955416	EVM50R0532MC	C50
5955417	EVM65R0626MC	C50
5955418	EVM65R0826MC	C50
5955419	EVM50L0526MC	C51
5955420	EVM50L0532MC	C51
5955421	EVM65L0626MC	C51
5955422	EVM65L0826MC	C51
5955423	EVM50R0216M	C50
5955424	EVM50L0216M	C51
5955479	NG2M050LK KCU10	C147
5955480	NG2M050RK KCU10	C146
5955491	NG2M275LK KCU10	C147
5955492	NGD2M150LK KCU10	C149
5955493	NGD2M150RK KCU10	C149
5955494	NGD2M200RK KCU10	C149
5955495	NGD2M250LK KCU10	C149
5955496	NGD2M250RK KCU10	C149
5955498	NGD3M300LK KCU10	C149
5955499	NGD3M300RK KCU10	C149
5955500	NGD3M400LK KCU10	C149
5955502	NGD3M400RK KCU10	C149
5955505	NG2M050LK KCU25	C147
5955506	NG4M450LK KCU25	C148
5955507	NGD2M150LK KCU25	C149
5955508	NGD2M150RK KCU25	C149
5955509	NGD2M200LK KCU25	C149
5955510	NGD2M200RK KCU25	C149
5955621	NGD2M250LK KCU25	C149
5955622	NGD2M250RK KCU25	C149
5955623	NGD3M200LK KCU25	C149
5955624	NGD3M200RK KCU25	C149
5955625	NGD3M250LK KCU25	C149
5955626	NGD3M250RK KCU25	C149
5955627	NGD3M300LK KCU25	C149
5955628	NGD3M300RK KCU25	C149
5955629	NGD3M400LK KCU25	C149
5955630	NGD3M400RK KCU25	C149
5955631	NGD4M500LK KCU25	C149
5955632	NGD4M550RK KCU25	C149
5956374	UADE1200A4BV KCPM15	P17
5956375	UADE1600A4BV KCPM15	P17
5956376	UADE2000A4BV KCPM15	P17
5956377	UADE2500A4BV KCPM15	P17
5956378	UADE1200B4BV KCPM15	P17
5956379	UADE1600B4BV KCPM15	P17
5956380	UADE2000B4BV KCPM15	P17
5956421	UADE2500B4BV KCPM15	P17
5956817	M4KITD25Z02A25SGEKCPM40	T21
5956818	M4KITD32Z03A32SGEKCPM40	T21
5956819	M4KITD40Z04S16SGEKCPM40	T21
5956820	M4KITD50Z05S22SGEKCPM40	T21
5956872	M4KITD50Z06S22SGEKCPM40	T21
5956873	M4KITD63Z06S22SGEKCPM40	T21
5956874	M4KITD80Z07S27SGEKCPM40	T21
5956875	M4KITD100Z08S32SGEKCPM40	T21
5956876	M4KITD25Z02A25SGEKCM725M	T21
5956877	M4KITD32Z03A32EGEKC725M	T21
5956878	M4KITD40Z04S16EGEKC725M	T21
5956879	M4KITD50Z05S22EGEKC725M	T21
5956880	M4KITD50Z06S22EGEKC725M	T21
5956891	M4KITD63Z06S22EGEKC725M	T21
5956892	M4KITD80Z07S27EGEKC725M	T21
5956893	M4KITD25Z02A25SGEMKC520M	T21
5956894	M4KITD32Z03A32SGEMKC520M	T21
5956896	M4KITD40Z04S16SGEMKC520M	T21
5956897	M4KITD50Z05S22SGEMKC520M	T21
5956898	M4KITD50Z06S22SGEMKC520M	T21
5956899	M4KITD63Z07S22SGEMKC520M	T21
5956900	M4KITD80Z09S27SGEMKC520M	T21
5956901	M4KITD100Z11S32SGEMKC520M	T21
5957724	FSDE0600A7DYA KC643M	P94
5957726	FSDE0600A7DYE KC643M	P94
5957728	FSDE0800A7DYA KC643M	P94
5957730	FSDE0800A7DYE KC643M	P94
5957772	FSDE1000A9DYE KC643M	P94
5957774	FSDE1000A9DYG KC643M	P94
5957776	FSDE1200E9DYE KC643M	P94
5957778	FSDE1200E9DYG KC643M	P94
5957780	FSDE1200E9DYL KC643M	P94
5957782	FSDE1600EBDYG KC643M	P94
5957784	FSDE1600EBDYM KC643M	P94
5957786	FSDE2000EFDYG KC643M	P94
5957788	FSDE2000EFDYK KC643M	P94
5957790	FSDE2000EFDYL KC643M	P94
5957792	FSDE2500EJDYG KC643M	P94
5964045	KSEM1250SPLM KCMS35	H52
5964046	KSEM1270SPLM KCMS35	H52
5964047	KSEM1300SPLM KCMS35	H52
5964048	KSEM1350SPLM KCMS35	H52
5964049	KSEM1400SPLM KCMS35	H52
5964050	KSEM1429SPLM KCMS35	H52
5964101	KSEM1450SPLM KCMS35	H52
5964102	KSEM1500SPLM KCMS35	H52
5964103	KSEM1550SPLM KCMS35	H52
5964104	KSEM1588SPLM KCMS35	H52
5964105	KSEM1600SPLM KCMS35	H52
5964106	KSEM1609SPLM KCMS35	H52
5964107	KSEM1615SPLM KCMS35	H52
5964108	KSEM1627SPLM KCMS35	H52
5964109	KSEM1650SPLM KCMS35	H52
5964110	KSEM1667SPLM KCMS35	H52
5964111	KSEM1700SPLM KCMS35	H52
5964112	KSEM1746SPLM KCMS35	H52
5964113	KSEM1750SPLM KCMS35	H52
5964115	KSEM1800SPLM KCMS35	H52
5964117	KSEM1850SPLM KCMS35	H52
5964119	KSEM1900SPLM KCMS35	H52
5964121	KSEM1905SPLM KCMS35	H52
5964123	KSEM1920SPLM KCMS35	H52
5964125	KSEM1923SPLM KCMS35	H52
5964127	KSEM1925SPLM KCMS35	H52
5964129	KSEM1927SPLM KCMS35	H52
5964131	KSEM1935SPLM KCMS35	H52
5964133	KSEM1945SPLM KCMS35	H52
5964135	KSEM1950SPLM KCMS35	H52
5964137	KSEM1984SPLM KCMS35	H52
5964139	KSEM2000SPLM KCMS35	H52
5964151	KSEM2050SPLM KCMS35	H52
5964153	KSEM2064SPLM KCMS35	H52
5964155	KSEM2100SPLM KCMS35	H52
5964157	KSEM2150SPLM KCMS35	H52
5964159	KSEM2200SPLM KCMS35	H52
5964161	KSEM2223SPLM KCMS35	H52
5964163	KSEM2300SPLM KCMS35	H52
5964165	KSEM2381SPLM KCMS35	H52
5964167	KSEM2400SPLM KCMS35	H52
5964169	KSEM2500SPLM KCMS35	H52
5964171	KSEM2540SPLM KCMS35	H52
5964173	KSEM2560SPLM KCMS35	H52
5964175	KSEM2565SPLM KCMS35	H52
5964177	KSEM2567SPLM KCMS35	H52
5964179	KSEM2581SPLM KCMS35	H52
5964181	KSEM2600SPLM KCMS35	H52
5964183	KSEM2619SPLM KCMS35	H52
5964184	KSEM2700SPLM KCMS35	H52
5964185	KSEM2858SPLM KCMS35	H53
5964186	KSEM3000SPLM KCMS35	H53
5964187	KSEM3175SPLM KCMS35	H53
5964188	KSEM3200SPLM KCMS35	H53
5964189	KSEM3846SPLM KCMS35	H53
5964190	KSEM4000SPLM KCMS35	H53
5964798	UADE0600A4BV KCPM15	P17
5964799	UADE0800A4BV KCPM15	P17
5964800	UADE1000A4BV KCPM15	P17
5964801	UADE0600B4BV KCPM15	P17
5964802	UADE0800B4BV KCPM15	P17
5964803	UADE1000B4BV KCPM15	P17
5964865	RPPT1204M0E432X8 X700	V97
5967744	NG2031LK KCP10B	C147
5967745	NG2031RK KCP10B	C146
5967747	NG2047LK KCP10B	C147
5967748	NG2047RK KCP10B	C146
5967749	NG2062LK KCP10B	C147
5967750	NG2062RK KCP10B	C146
5967802	NG2094LK KCP10B	C147
5967803	NG2094RK KCP10B	C146
5967804	NG2125LK KCP10B	C148
5967805	NG2125RK KCP10B	C146

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5967806	NG2M080LK KCP10B	C147
5967807	NG2M080RK KCP10B	C146
5967808	NG2M100LK KCP10B	C147
5967810	NG2M100RK KCP10B	C146
5967821	NG2M120LK KCP10B	C147
5967822	NG2M120RK KCP10B	C146
5967823	NG2M140LK KCP10B	C147
5967825	NG2M140RK KCP10B	C146
5967826	NG2M170LK KCP10B	C147
5967827	NG2M170RK KCP10B	C146
5967828	NG2M195LK KCP10B	C147
5967829	NG2M195RK KCP10B	C146
5967830	NG2M200LK KCP10B	C147
5967831	NG2M200RK KCP10B	C146
5967832	NG2M225LK KCP10B	C147
5967833	NG2M225RK KCP10B	C146
5967834	NG2M275RK KCP10B	C146
5967835	NG2M300LK KCP10B	C148
5967836	NG2M300RK KCP10B	C146
5967837	NG3047LK KCP10B	C148
5967838	NG3047RK KCP10B	C146
5967839	NG3062RK KCP10B	C146
5967840	NG3072LK KCP10B	C148
5967841	NG3072RK KCP10B	C146
5967842	NG3078LK KCP10B	C148
5967843	NG3078RK KCP10B	C146
5967844	NG3094LK KCP10B	C148
5967845	NG3125LK KCP10B	C148
5967846	NG3125RK KCP10B	C147
5967847	NG3156LK KCP10B	C148
5967848	NG3156RK KCP10B	C147
5967849	NG3189LK KCP10B	C148
5967850	NG3189RK KCP10B	C147
5967872	NG3M120LK KCP10B	C148
5967873	NG3M120RK KCP10B	C146
5967874	NG3M225LK KCP10B	C148
5967875	NG3M225RK KCP10B	C146
5967876	NG3M275LK KCP10B	C148
5967877	NG3M275RK KCP10B	C147
5967878	NG3M300LK KCP10B	C148
5967879	NG3M300RK KCP10B	C147
5967880	NG3M400LK KCP10B	C148
5967881	NG3M400RK KCP10B	C147
5967882	NG3M425LK KCP10B	C148
5967883	NG3M425RK KCP10B	C147
5967884	NG4125LK KCP10B	C148
5967885	NG4125RK KCP10B	C147
5967886	NG4189LK KCP10B	C148
5967887	NG4189RK KCP10B	C147
5967888	NG4250LK KCP10B	C148
5967889	NG4250RK KCP10B	C147
5967891	NG4M400LK KCP10B	C148
5967892	NG4M400RK KCP10B	C147
5967893	NG4M500LK KCP10B	C148
5967894	NG4M500RK KCP10B	C147
5967943	NG2031LK KCP25B	C147
5967944	NG2031RK KCP25B	C146
5967945	NG2047LK KCP25B	C147
5967946	NG2047RK KCP25B	C146
5967947	NG2062LK KCP25B	C147
5967948	NG2062RK KCP25B	C146
5967949	NG2094LK KCP25B	C147
5967950	NG2094RK KCP25B	C146
5967991	NG2125LK KCP25B	C148
5967992	NG2125RK KCP25B	C146
5967993	NG2M050LK KCP25B	C147
5967994	NG2M050RK KCP25B	C146
5967995	NG2M080LK KCP25B	C147
5967996	NG2M080RK KCP25B	C146
5967997	NG2M100LK KCP25B	C147
5967998	NG2M100RK KCP25B	C146
5967999	NG2M120LK KCP25B	C147
5968000	NG2M120RK KCP25B	C146
5968001	NG2M140LK KCP25B	C147
5968002	NG2M140RK KCP25B	C146
5968003	NG2M150LK KCP25B	C147
5968004	NG2M150RK KCP25B	C146
5968005	NG2M170LK KCP25B	C147
5968006	NG2M170RK KCP25B	C146
5968007	NG2M175LK KCP25B	C147
5968008	NG2M175RK KCP25B	C146
5968009	NG2M195LK KCP25B	C147
5968010	NG2M195RK KCP25B	C146
5968011	NG2M200LK KCP25B	C147
5968012	NG2M200RK KCP25B	C146
5968013	NG2M220LK KCP25B	C147
5968014	NG2M220RK KCP25B	C146
5968015	NG2M225LK KCP25B	C147
5968016	NG2M225RK KCP25B	C146
5968017	NG2M250LK KCP25B	C147
5968018	NG2M250RK KCP25B	C146
5968019	NG2M275LK KCP25B	C147
5968020	NG2M275RK KCP25B	C146
5968021	NG2M300LK KCP25B	C148
5968022	NG2M300RK KCP25B	C146
5968023	NG2M320RK KCP25B	C146
5968024	NG2M325LK KCP25B	C148
5968025	NG2M325RK KCP25B	C146
5968026	NG3047LK KCP25B	C148
5968027	NG3047RK KCP25B	C146
5968028	NG3062RK KCP25B	C146
5968029	NG3072LK KCP25B	C148
5968030	NG3072RK KCP25B	C146
5968031	NG3078LK KCP25B	C148
5968032	NG3078RK KCP25B	C146
5968034	NG3094LK KCP25B	C148
5968035	NG3125LK KCP25B	C148
5968036	NG3125RK KCP25B	C147
5968037	NG3156LK KCP25B	C148
5968038	NG3156RK KCP25B	C147
5968039	NG3189LK KCP25B	C148
5968040	NG3189RK KCP25B	C147
5968041	NG3M100LK KCP25B	C148
5968042	NG3M100RK KCP25B	C146
5968043	NG3M120LK KCP25B	C148
5968044	NG3M120RK KCP25B	C146
5968045	NG3M150LK KCP25B	C148
5968047	NG3M150RK KCP25B	C146
5968048	NG3M175LK KCP25B	C148
5968049	NG3M175RK KCP25B	C146
5968050	NG3M200LK KCP25B	C148
5968051	NG3M200RK KCP25B	C146
5968052	NG3M220LK KCP25B	C148
5968053	NG3M220RK KCP25B	C146
5968054	NG3M225LK KCP25B	C148
5968055	NG3M225RK KCP25B	C146
5968056	NG3M250LK KCP25B	C148
5968057	NG3M250RK KCP25B	C146
5968058	NG3M275LK KCP25B	C148
5968059	NG3M275RK KCP25B	C147
5968060	NG3M300LK KCP25B	C148
5968061	NG3M300RK KCP25B	C147
5968062	NG3M320LK KCP25B	C148
5968063	NG3M320RK KCP25B	C147
5968064	NG3M325LK KCP25B	C148
5968065	NG3M325RK KCP25B	C147
5968066	NG3M350LK KCP25B	C148
5968067	NG3M350RK KCP25B	C147
5968068	NG3M400LK KCP25B	C148
5968069	NG3M400RK KCP25B	C147
5968071	NG3M425LK KCP25B	C148
5968072	NG3M425RK KCP25B	C147
5968073	NG3M450LK KCP25B	C148
5968074	NG3M450RK KCP25B	C147
5968075	NG4125LK KCP25B	C148
5968076	NG4125RK KCP25B	C147
5968077	NG4189LK KCP25B	C148
5968078	NG4189RK KCP25B	C147
5968079	NG4250LK KCP25B	C148
5968080	NG4250RK KCP25B	C147
5968081	NG4M300LK KCP25B	C148
5968082	NG4M300RK KCP25B	C147
5968083	NG4M320LK KCP25B	C148
5968084	NG4M350LK KCP25B	C148
5968085	NG4M350RK KCP25B	C147
5968086	NG4M400LK KCP25B	C148
5968087	NG4M400RK KCP25B	C147
5968088	NG4M450LK KCP25B	C148
5968089	NG4M450RK KCP25B	C147
5968090	NG4M500LK KCP25B	C148
5968101	NG4M500RK KCP25B	C147
5968102	NG4M550LK KCP25B	C148
5968103	NG4M550RK KCP25B	C147
5968104	NG4M600LK KCP25B	C148
5968105	NG4M600RK KCP25B	C147
5968391	KTIP0800FEGM KCPM45	H29
5968392	KTIP0850FEGM KCPM45	H29
5968393	KTIP0900FEGM KCPM45	H29
5968394	KTIP0950FEGM KCPM45	H29
5968395	KTIP1000FEGM KCPM45	H29
5968396	KTIP1050FEGM KCPM45	H29
5968397	KTIP1100FEGM KCPM45	H29
5968398	KTIP1150FEGM KCPM45	H29
5968399	KTIP1200FEGM KCPM45	H29
5968400	KTIP1250FEGM KCPM45	H29
5968401	KTIP1270FEGM KCPM45	H29
5968402	KTIP1300FEGM KCPM45	H29
5968403	KTIP1350FEGM KCPM45	H29
5968404	KTIP1400FEGM KCPM45	H29
5968405	KTIP1450FEGM KCPM45	H29
5968406	KTIP1500FEGM KCPM45	H29
5968407	KTIP1550FEGM KCPM45	H29
5968408	KTIP1600FEGM KCPM45	H29
5968409	KTIP1650FEGM KCPM45	H29
5968410	KTIP1700FEGM KCPM45	H29
5968411	KTIP1750FEGM KCPM45	H29
5968412	KTIP1800FEGM KCPM45	H29
5968413	KTIP1850FEGM KCPM45	H29
5968414	KTIP1900FEGM KCPM45	H29
5968416	KTIP1905FEGM KCPM45	H29
5968417	KTIP1950FEGM KCPM45	H29
5970180	UJBE0400A6CP KCSM15	P62
5970211	UJBE0400A6BP KCSM15	P62
5970212	UJBE0500A6CP KCSM15	P62
5970213	UJBE0500A6BP KCSM15	P62
5970214	UJBE0600A6BP KCSM15	P62
5970215	UJBE0600A6CP KCSM15	P62
5970216	UJBE0700A6BP KCSM15	P62
5970217	UJBE0700A6CP KCSM15	P62
5970218	UJBE0800A6CP KCSM15	P62
5970219	UJBE0800A6BP KCSM15	P62
5970220	UJBE1000A6CP KCSM15	P62
5970221	UJBE1000A6BP KCSM15	P62
5970234	RPPT1204M0E432X4 X700	V97
5970235	RPPT1204M0E432X4 X500	V97
5970237	RPPT1204M0E432X4 SC6525	V97
5971570	200C09RS90RC20CHP	V82
5971596	160C08RS90RC20CHP	V82
5971597	160C07RS90RC20CHP	V82
5972039	KTIP1394HPM KCP15	H27
5975092	LNEU1235R03 4 KCPM40	U19
5975093	LNEU1250R04 KCPM40	U19
5975094	LNEU1250R08 KCPM40	U19
5976169	LNPU15T612SRGE KCPM40	T19
5976170	LNGU15T608SRGEM KCPM40	T19
5976671	LNGU15T612SRGEM KCPM40	T19
5976672	LNGU15T616SRGEM KCPM40	T19
5976676	MCC0800HP	V82
5976677	MCCM160HP	V82
5976678	SDSW66	V82
5977291	LNUX301960RRP KCP10B	E48
5977292	LNUX301960RRP KCP25B	E48
5977635	EVBSN26J0540	C49
5977636	EVBSN26J0640	C49
5977637	EVBSN32M0560	C49
5977638	EVBSN32M0660	C49
5977639	EVBSN32M0860	C49
5977640	EVBSN52X06120	C49
5977721	EVBSN52X08120	C49
5979010	EVM50R0316MC	C50
5979181	EVM50R0322MC	C50
5979182	EVM50R0416MC	C50
5979183	EVM50R0422MC	C50
5979184	EVM50R0432MC	C50
5979185	EVM50L0316MC	C51
5979186	EVM50L0322MC	C51
5979187	EVM50L0416MC	C51
5979188	EVM50L0422MC	C51
5979189	EVM50L0432MC	C51
5979190	KGMSR2525M50C	C58
5979191	KGMSL2525M50C	C58
5979192	KGMER2525M50C	C59
5979193	KGMEL2525M50C	C59
5979198	EVM50R0426MC	C50
5979199	EVM50L0426MC	C51
5979200	EVM50R0312MC	C50
5979201	EVM50R0412MC	C50
5979202	EVM50L0312MC	C51
5979203	EVM50L0412MC	C51
5979745	KGMSR2525M65C	C58
5979746	KGMSR3232P50C	C58
5979747	KGMSR3232P65C	C58
5979748	KGMSL2525M65C	C58
5979749	KGMSL3232P50C	C58
5979750	KGMSL3232P65C	C58
5979765	KGMER2525M65C	C59
5979766	KGMER3232P50C	C59
5979767	KGMER3232P65C	C59
5979768	KGMEL2525M65C	C59
5979769	KGMEL3232P50C	C59
5979770	KGMEL3232P65C	C59
5979852	WNMG080408MG KCP10B	B156
5979853	WNMG080408MG KCP25B	B156
5980138	EVSCTR2525M0316C	C39
5980139	EVSCTR1616K0216	C39
5980140	EVSCTR1616K0316C	C39
5980518	A12KEVEMR1F05M	C46
5980519	A12KEVEMR0205M	C46
5980520	A16MEVEMR1F07M	C46
5980621	A16MEVEMR0207M	C46
5980622	A20QEVEMR1F07M	C46
5980623	A20QEVEMR0207M	C46
5980624	A25REVEMR0210M	C46
5980625	A12KEVEML1F05M	C47
5980626	A12KEVEML0205M	C47
5980627	A16MEVEML1F07M	C47
5980628	A16MEVEML0207M	C47
5980629	A20QEVEML1F07M	C47
5980630	A20QEVEML0207M	C47
5980631	A25REVEML0210M	C47
5980761	EVSCTR1616K0416C	C39
5980762	EVSCTR2020K0216	C39
5980763	EVSCTR2020K0316C	C39
5980764	EVSCTR2020K0326C	C39
5980765	EVSCTR2020K0416C	C39
5980766	EVSCTR2020K0426C	C39
5980767	EVSCTR2525M0216	C39
5980768	EVSCTR2525M0226	C39
5980769	EVSCTR2525M0326C	C39
5980770	EVSCTR2525M0426C	C39
5980771	EVSCTR2525M0432C	C39
5980772	EVSCTR2525M0526C	C39
5980773	EVSCTR2525M0532C	C39
5980774	EVSCTR3232P0432C	C39
5980775	EVSCTR3232P0540C	C39
5980776	EVSCTL2525M0316C	C40
5980777	EVSCTL1616K0216	C40
5980778	EVSCTL1616K0316C	C40
5980779	EVSCTL1616K0416C	C40
5980780	EVSCTL2020K0216	C40
5980801	EVSCTL2020K0316C	C40
5980802	EVSCTL2020K0326C	C40
5980803	EVSCTL2020K0416C	C40
5980804	EVSCTL2020K0426C	C40
5980805	EVSCTL2525M0216	C40
5980806	EVSCTL2525M0226	C40
5980807	EVSCTL2525M0326C	C40
5980808	EVSCTL2525M0426C	C40
5980809	EVSCTL2525M0432C	C40
5980810	EVSCTL2525M0526C	C40
5980811	EVSCTL2525M0532C	C40
5980812	EVSCTL3232P0432C	C40
5980813	EVSCTL3232P0540C	C40
5981500	KSEM1650FEGM KCPM45	H54
5981571	KSEM1700FEGM KCPM45	H54
5981572	KSEM1750FEGM KCPM45	H54
5981573	KSEM1800FEGM KCPM45	H54
5981574	KSEM1850FEGM KCPM45	H54
5981575	KSEM1900FEGM KCPM45	H54
5981576	KSEM1905FEGM KCPM45	H54
5981577	KSEM1950FEGM KCPM45	H54
5981578	KSEM2000FEGM KCPM45	H54
5981579	KSEM2050FEGM KCPM45	H54
5981580	KSEM2100FEGM KCPM45	H54
5981581	KSEM2150FEGM KCPM45	H54
5981582	KSEM2200FEGM KCPM45	H54
5981583	KSEM2250FEGM KCPM45	H54
5981584	KSEM2300FEGM KCPM45	H54

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5981585	KSEM2350FEGM KCPM45	H54
5981586	KSEM2400FEGM KCPM45	H54
5981587	KSEM2450FEGM KCPM45	H54
5981588	KSEM2500FEGM KCPM45	H54
5981589	KSEM2540FEGM KCPM45	H54
5981591	KSEM2550FEGM KCPM45	H54
5981592	KSEM2600FEGM KCPM45	H54
5981593	KSEM2650FEGM KCPM45	H54
5981594	KSEM2700FEGM KCPM45	H54
5981595	KSEM2750FEGM KCPM45	H54
5981596	KSEM2850FEGM KCPM45	H54
5981597	KSEM2900FEGM KCPM45	H54
5981598	KSEM2950FEGM KCPM45	H54
5981599	KSEM3000FEGM KCPM45	H54
5981600	KSEM3100FEGM KCPM45	H54
5981601	KSEM3175FEGM KCPM45	H54
5981602	KSEM3200FEGM KCPM45	H54
5981603	KSEM3300FEGM KCPM45	H54
5981604	KSEM3400FEGM KCPM45	H54
5981605	KSEM3500FEGM KCPM45	H54
5981606	KSEM3600FEGM KCPM45	H55
5981607	KSEM3700FEGM KCPM45	H55
5981608	KSEM3800FEGM KCPM45	H55
5981609	KSEM3810FEGM KCPM45	H55
5981610	KSEM3900FEGM KCPM45	H55
5982089	VBMT160404MP KCP25B	B265
5984676	KSEM2670FEGM KCPM45	H54
5986819	KGIP0300N0189GD KCU45	H76
5987474	B286D03000HPS KN15	G88
5987475	B286D03100HPS KN15	G88
5987476	B286D03175HPS KN15	G88
5987477	B286D03200HPS KN15	G88
5987478	B286D03264HPS KN15	G88
5987479	B286D03300HPS KN15	G88
5987480	B286D03455HPS KN15	G88
5987531	B286D03500HPS KN15	G88
5987532	B286D03571HPS KN15	G88
5987533	B286D03700HPS KN15	G88
5987534	B286D03734HPS KN15	G88
5987535	B286D03900HPS KN15	G88
5987536	B286D03970HPS KN15	G88
5987537	B286D04000HPS KN15	G88
5987538	B286D04039HPS KN15	G88
5987539	B286D04100HPS KN15	G88
5987540	B286D04200HPS KN15	G88
5987551	B286D04400HPS KN15	G88
5987552	B286D04305HPS KN15	G88
5987553	B286D04500HPS KN15	G88
5987554	B286D04600HPS KN15	G88
5987555	B286D04700HPS KN15	G88
5987556	B286D04763HPS KN15	G88
5987557	B286D04800HPS KN15	G88
5987558	B286D04900HPS KN15	G88
5987559	B286D05000HPS KN15	G88
5987560	B286D05100HPS KN15	G88
5987561	B286D05106HPS KN15	G88
5987562	B286D05159HPS KN15	G88
5987563	B286D05200HPS KN15	G88
5987564	B286D05300HPS KN15	G88
5987565	B286D05400HPS KN15	G88
5987566	B286D05410HPS KN15	G88
5987567	B286D05500HPS KN15	G88
5987568	B286D05558HPS KN15	G88
5987569	B286D05600HPS KN15	G89
5987571	B286D05791HPS KN15	G89
5987572	B286D06000HPS KN15	G89
5987573	B286D06200HPS KN15	G89
5987574	B286D06300HPS KN15	G89
5987575	B286D06350HPS KN15	G89
5987576	B286D06400HPS KN15	G89
5987577	B286D06500HPS KN15	G89
5987578	B286D06528HPS KN15	G89
5987579	B286D06600HPS KN15	G89
5987580	B286D06630HPS KN15	G89
5987581	B286D06700HPS KN15	G89
5987582	B286D06746HPS KN15	G89
5987583	B286D06800HPS KN15	G89
5987584	B286D06900HPS KN15	G89
5987585	B286D07000HPS KN15	G89
5987587	B286D07145HPS KN15	G89
5987588	B286D07300HPS KN15	G89
5987589	B286D07400HPS KN15	G89
5987590	B286D07541HPS KN15	G89
5987591	B286D07600HPS KN15	G89
5987592	B286D07700HPS KN15	G89
5987593	B286D07938HPS KN15	G89
5987595	B286D08000HPS KN15	G89
5987596	B286D08334HPS KN15	G89
5987597	B286D08400HPS KN15	G89
5987598	B286D08433HPS KN15	G89
5987599	B286D08500HPS KN15	G89
5987600	B286D08700HPS KN15	G89
5987601	B286D08733HPS KN15	G89
5987602	B286D08800HPS KN15	G89
5987603	B286D08900HPS KN15	G89
5987604	B286D09000HPS KN15	G89
5987605	B286D09100HPS KN15	G89
5987606	B286D09129HPS KN15	G89
5987607	B286D09300HPS KN15	G89
5987608	B286D09400HPS KN15	G89
5987609	B286D09500HPS KN15	G89
5987610	B286D09525HPS KN15	G89
5987611	B286D09900HPS KN15	G89
5987612	B286D09921HPS KN15	G89
5987613	B286D10000HPS KN15	G89
5987614	B286D10100HPS KN15	G89
5987615	B286D10200HPS KN15	G89
5987616	B286D10300HPS KN15	G89
5987617	B286D10320HPS KN15	G89
5987618	B286D10500HPS KN15	G89
5987619	B286D10600HPS KN15	G89
5987620	B286D10716HPS KN15	G90
5987631	B286D10800HPS KN15	G90
5987632	B286D11000HPS KN15	G90
5987633	B286D11100HPS KN15	G90
5987634	B286D11113HPS KN15	G90
5987635	B286D11200HPS KN15	G90
5987636	B286D11300HPS KN15	G90
5987637	B286D11400HPS KN15	G90
5987638	B286D11500HPS KN15	G90
5987639	B286D11509HPS KN15	G90
5987640	B286D11800HPS KN15	G90
5987641	B286D11908HPS KN15	G90
5987642	B286D12000HPS KN15	G90
5987643	B286D12304HPS KN15	G90
5987644	B286D12500HPS KN15	G90
5987645	B286D12600HPS KN15	G90
5987646	B286D12700HPS KN15	G90
5987647	B286D13000HPS KN15	G90
5987648	B286D13096HPS KN15	G90
5987649	B286D13100HPS KN15	G90
5987650	B286D13300HPS KN15	G90
5987651	B286D13400HPS KN15	G90
5987652	B286D13500HPS KN15	G90
5987653	B286D14000HPS KN15	G90
5987654	B286D14200HPS KN15	G90
5987655	B286D14288HPS KN15	G90
5987656	B286D14500HPS KN15	G90
5987657	B286D14684HPS KN15	G90
5987658	B286D15000HPS KN15	G90
5987659	B286D15083HPS KN15	G90
5987660	B286D15100HPS KN15	G90
5987661	B286D15300HPS KN15	G90
5987662	B286D15400HPS KN15	G90
5987663	B286D15875HPS KN15	G90
5987664	B286D16000HPS KN15	G90
5987665	B286D16500HPS KN15	G90
5987666	B286D16670HPS KN15	G90
5987667	B286D16800HPS KN15	G90
5987668	B286D16900HPS KN15	G90
5987669	B286D17000HPS KN15	G90
5987670	B286D17300HPS KN15	G90
5987671	B286D17463HPS KN15	G90
5987672	B286D17500HPS KN15	G90
5987673	B286D17859HPS KN15	G90
5987674	B286D18000HPS KN15	G90
5987675	B286D19000HPS KN15	G90
5987676	B286D19050HPS KN15	G90
5987677	B286D20000HPS KN15	G90
5987680	B284D03100HPS KN15	G88
5987751	B284D03264HPS KN15	G88
5987752	B284D03455HPS KN15	G88
5987753	B284D03700HPS KN15	G88
5987754	B284D03734HPS KN15	G88
5987755	B284D03900HPS KN15	G88
5987756	B284D04039HPS KN15	G88
5987757	B284D04100HPS KN15	G88
5987758	B284D04305HPS KN15	G88
5987759	B284D04400HPS KN15	G88
5987760	B284D04600HPS KN15	G88
5987761	B284D04700HPS KN15	G88
5987762	B284D04900HPS KN15	G88
5987763	B284D05106HPS KN15	G88
5987764	B284D05200HPS KN15	G88
5987765	B284D05300HPS KN15	G88
5987766	B284D05400HPS KN15	G88
5987767	B284D05410HPS KN15	G88
5987768	B284D05500HPS KN15	G88
5987769	B284D05791HPS KN15	G89
5987770	B284D06200HPS KN15	G89
5987771	B284D06300HPS KN15	G89
5987772	B284D06350HPS KN15	G89
5987773	B284D06528HPS KN15	G89
5987774	B284D06600HPS KN15	G89
5987775	B284D06630HPS KN15	G89
5987776	B284D06700HPS KN15	G89
5987777	B284D06900HPS KN15	G89
5987778	B284D07300HPS KN15	G89
5987779	B284D07600HPS KN15	G89
5987780	B284D07700HPS KN15	G89
5987781	B284D08400HPS KN15	G89
5987782	B284D08433HPS KN15	G89
5987783	B284D08700HPS KN15	G89
5987784	B284D08800HPS KN15	G89
5987785	B284D08900HPS KN15	G89
5987786	B284D09100HPS KN15	G89
5987787	B284D09300HPS KN15	G89
5987788	B284D09400HPS KN15	G89
5987789	B284D09900HPS KN15	G89
5987790	B284D10100HPS KN15	G89
5987791	B284D10300HPS KN15	G89
5987792	B284D10600HPS KN15	G89
5987793	B284D10800HPS KN15	G90
5987794	B284D11100HPS KN15	G90
5987795	B284D11200HPS KN15	G90
5987796	B284D11300HPS KN15	G90
5987797	B284D11400HPS KN15	G90
5987798	B284D11500HPS KN15	G90
5987799	B284D11509HPS KN15	G90
5987800	B284D11800HPS KN15	G90
5987801	B284D12304HPS KN15	G90
5987802	B284D12600HPS KN15	G90
5987803	B284D13000HPS KN15	G90
5987804	B284D13096HPS KN15	G90
5987805	B284D13100HPS KN15	G90
5987806	B284D13300HPS KN15	G90
5987807	B284D13400HPS KN15	G90
5987808	B284D13500HPS KN15	G90
5987809	B284D14200HPS KN15	G90
5987810	B284D14500HPS KN15	G90
5987821	B284D14684HPS KN15	G90
5987822	B284D15000HPS KN15	G90
5987823	B284D15083HPS KN15	G90
5987824	B284D15100HPS KN15	G90
5987825	B284D15300HPS KN15	G90
5987826	B284D15400HPS KN15	G90
5987827	B284D16000HPS KN15	G90
5987828	B284D16500HPS KN15	G90
5987829	B284D16670HPS KN15	G90
5987830	B284D16800HPS KN15	G90
5987831	B284D16900HPS KN15	G90
5987832	B284D17000HPS KN15	G90
5987833	B284D17300HPS KN15	G90
5987834	B284D17463HPS KN15	G90
5987835	B284D17859HPS KN15	G90
5987836	B284D17500HPS KN15	G90
5987837	B284D18000HPS KN15	G90
5987838	B284D19000HPS KN15	G90
5988771	EG0200M02P02GUP KCU25	C18
5988772	EG0600M06P04GUP KCU25	C18
5988773	EG0600M06P08GUP KCU25	C18
5988774	EG0500M05P04GUP KCU25	C18
5988775	EG0500M05P08GUP KCU25	C18
5988776	EG0700M06P08GUP KCU25	C18
5988777	EG0800M08P08GUP KCU25	C18
5988778	EG0800M08P12GUP KCU25	C18
5988779	EG1000M10P12GUP KCU25	C18
5988780	ER0300M03P00GUP KCU25	C21
5988781	ER0400M04P00GUP KCU25	C21
5988782	ER0500M05P00GUP KCU25	C21
5988783	ER0600M06P00GUP KCU25	C21
5988785	ER0800M08P00GUP KCU25	C21
5988787	EG094I02P05GUP KCU25	C20
5988788	EG250I06P1GUP KCU25	C20
5988789	EG250I06P2GUP KCU25	C20
5988790	EG312I08P3GUP KCU25	C20
5988811	EG063I1FP05GUP KCU25	C20
5988812	EG375I10P3GUP KCU25	C20
5988813	ER125I03P00GUP KCU25	C22
5988814	ER187I04P00GUP KCU25	C22
5988815	ER250I06P00GUP KCU25	C22
5988816	ER312I08P00GUP KCU25	C22
5988818	EG0200M02P02GUP K313	C18
5988833	ER0300M03P00GUP K313	C21
5988834	EG0600M06P04GUP K313	C18
5988835	EG0600M06P08GUP K313	C18
5988836	EG0500M05P04GUP K313	C18
5988837	EG0500M05P08GUP K313	C18
5988838	EG0700M06P08GUP K313	C18
5988839	EG0800M08P08GUP K313	C18
5988840	EG0800M08P12GUP K313	C18
5988851	EG1000M10P12GUP K313	C18
5988858	ER0400M04P00GUP K313	C21
5988859	ER0500M05P00GUP K313	C21
5988860	ER0600M06P00GUP K313	C21
5988861	ER0800M08P00GUP K313	C21
5988903	EG094I02P05GUP K313	C20
5988904	EG063I1FP05GUP K313	C20
5988905	ER125I03P00GUP K313	C22
5988961	EG250I06P1GUP K313	C20
5988962	EG250I06P2GUP K313	C20
5988963	EG312I08P3GUP K313	C20
5988964	EG375I10P3GUP K313	C20
5988965	ER187I04P00GUP K313	C22
5988966	ER250I06P00GUP K313	C22
5988967	ER312I08P00GUP K313	C22
5989962	CNMG120408MG KCP25B	B57
5989963	CNMG120412MG KCP25B	B57
5989965	CNMG120408MG KCP10B	B57
5989966	CNMG120412MG KCP10B	B57
5989967	CNMG120416MG KCP10B	B57
5990785	B285D03100HPS KN15	G88
5990786	B285D03264HPS KN15	G88
5990787	B285D03455HPS KN15	G88
5990788	B285D03500HPS KN15	G88
5990789	B285D03571HPS KN15	G88
5990790	B285D03700HPS KN15	G88
5990911	B285D03734HPS KN15	G88
5990912	B285D03900HPS KN15	G88
5990913	B285D04039HPS KN15	G88
5990914	B285D04100HPS KN15	G88
5990915	B285D04305HPS KN15	G88
5990916	B285D04400HPS KN15	G88
5990917	B285D04600HPS KN15	G88
5990918	B285D04700HPS KN15	G88
5990919	B285D05106HPS KN15	G88
5990920	B285D05159HPS KN15	G88
5990931	B285D05300HPS KN15	G88
5990932	B285D05400HPS KN15	G88
5990933	B285D05410HPS KN15	G88
5990934	B285D05791HPS KN15	G89
5990935	B285D06200HPS KN15	G89
5990936	B285D06350HPS KN15	G89
5990937	B285D06528HPS KN15	G89
5990938	B285D06630HPS KN15	G89
5990939	B285D06746HPS KN15	G89
5990940	B285D06800HPS KN15	G89
5990941	B285D06900HPS KN15	G89
5990942	B285D07300HPS KN15	G89
5990943	B285D07400HPS KN15	G89
5990944	B285D07541HPS KN15	G89
5990945	B285D07600HPS KN15	G89
5990946	B285D08433HPS KN15	G89
5990947	B285D08700HPS KN15	G89
5990948	B285D08800HPS KN15	G89
5990949	B285D08900HPS KN15	G89
5990950	B285D09100HPS KN15	G89
5990951	B285D09129HPS KN15	G89

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
5990952	B285D09400HPS KN15	G89
5990953	B285D09900HPS KN15	G89
5990954	B285D09921HPS KN15	G89
5990955	B285D10100HPS KN15	G89
5990956	B285D10200HPS KN15	G89
5990957	B285D10300HPS KN15	G89
5990958	B285D10320HPS KN15	G89
5990959	B285D10600HPS KN15	G89
5990960	B285D10716HPS KN15	G90
5990971	B285D10800HPS KN15	G90
5990972	B285D11100HPS KN15	G90
5990973	B285D11200HPS KN15	G90
5990974	B285D11300HPS KN15	G90
5990975	B285D11400HPS KN15	G90
5990976	B285D11509HPS KN15	G90
5990977	B285D11800HPS KN15	G90
5990978	B285D11908HPS KN15	G90
5990979	B285D12304HPS KN15	G90
5990980	B285D12500HPS KN15	G90
5990981	B285D12600HPS KN15	G90
5990982	B285D12700HPS KN15	G90
5990983	B285D13000HPS KN15	G90
5990984	B285D13096HPS KN15	G90
5990985	B285D13100HPS KN15	G90
5990986	B285D13300HPS KN15	G90
5990987	B285D13400HPS KN15	G90
5990988	B285D13500HPS KN15	G90
5990989	B285D14200HPS KN15	G90
5990990	B285D14288HPS KN15	G90
5990991	B285D14684HPS KN15	G90
5990992	B285D15000HPS KN15	G90
5990993	B285D15083HPS KN15	G90
5990994	B285D15100HPS KN15	G90
5990995	B285D15300HPS KN15	G90
5990996	B285D15400HPS KN15	G90
5990997	B285D15875HPS KN15	G90
5990998	B285D16000HPS KN15	G90
5990999	B285D16500HPS KN15	G90
5991000	B285D16670HPS KN15	G90
5991001	B285D16800HPS KN15	G90
5991002	B285D16900HPS KN15	G90
5991003	B285D17000HPS KN15	G90
5991004	B285D17300HPS KN15	G90
5991005	B285D17463HPS KN15	G90
5991006	B285D17500HPS KN15	G90
5991007	B285D17859HPS KN15	G90
5991008	B285D19000HPS KN15	G90
5991009	B285D19050HPS KN15	G90
5991010	B285D20000HPS KN15	G90
5991410	KSEM2370HPGM KCPM45	H45
5996610	B978F12500 KC7315	G149
5999788	KM40TSKGMER50C	C61, C132
5999789	KM40TSKGMEL50C	C61, C132
5999790	KM40TSKGMSR50C	C60, C131
5999861	KM40TSKGMSL50C	C60, C131
5999862	KM50TSKGMER50C	C61, C132
5999863	KM50TSKGMEL50C	C61, C132
5999864	KM50TSKGMSR50C	C60, C131
5999865	KM50TSKGMSL50C	C60, C131
5999946	KM63TSKGMER50C	C61, C132
5999947	KM63TSKGMEL50C	C61, C132
5999948	KM63TSKGMSR50C	C60, C131
5999949	KM63TSKGMSL50C	C60, C131
5999950	KM63XMZKGMER50CY	C61, C132
5999971	KM63XMZKGMELF50CY	C61, C132
5999972	KM63XMZKGMSR50CY	C60, C131
5999973	KM63XMZKGMSLF50CY	C60, C131
6000012	KM80TSKGMER50C	C61, C132
6000013	KM80TSKGMEL50C	C61, C132
6000014	KM80TSKGMSR50C	C60, C131
6000015	KM80TSKGMSL50C	C60, C131
6000016	KM80ATCKGMER50C	C61, C132
6000017	KM80ATCKGMEL50C	C61, C132
6000018	KM80ATCKGMSR50C	C60, C131
6000019	KM80ATCKGMSL50C	C60, C131
6000026	PSC40KGMER50C	C65, C135
6000027	PSC40KGMEL50C	C65, C135
6000028	PSC40KGMSR50C	C64, C134
6000029	PSC40KGMSL50C	C64, C134
6000030	PSC50KGMER50C	C65, C135
6000151	PSC50KGMEL50C	C65, C135
6000152	PSC50KGMSR50C	C64, C134
6000153	PSC50KGMSL50C	C64, C134
6000159	PSC63KGMER50C	C65, C135
6000160	PSC63KGMEL50C	C65, C135
6000199	CNMU120612MN KCP05B	B51
6000211	PSC63KGMSR50C	C64, C134
6000213	PSC63KGMSL50C	C64, C134
6000214	PSC80KGMER50C	C65, C135
6000215	PSC80KGMEL50C	C65, C135
6000216	PSC80KGMSR50C	C64, C134
6000217	PSC80KGMSL50C	C64, C134
6000404	KM4X63KGMER50C	C63, C133
6000405	KM4X63KGMEL50C	C63, C133
6000407	KM4X63KGMSR50C	C62–63, C133
6000408	KM4X63KGMSL50C	C62–63, C133
6000410	KM50TSKGMER65C	C61, C132
6000421	KM50TSKGMEL65C	C61, C132
6000422	KM50TSKGMSR65C	C60, C131
6000424	KM50TSKGMSL65C	C60, C131
6000425	KM63TSKGMER65C	C61, C132
6000430	KM63TSKGMEL65C	C61, C132
6000431	KM63TSKGMSR65C	C60, C131
6000433	KM63TSKGMSL65C	C60, C131
6000434	KM63XMZKGMER65CY	C61, C132
6000436	KM63XMZKGMELF65CY	C61, C132
6000462	PSC63KGMER65C	C65, C135
6000463	PSC63KGMEL65C	C65, C135
6000464	PSC63KGMSR65C	C64, C134
6000465	PSC63KGMSL65C	C64, C134
6000466	PSC80KGMER65C	C65, C135
6000467	PSC80KGMEL65C	C65, C135
6000468	PSC80KGMSR65C	C64, C134
6000469	PSC80KGMSL65C	C64, C134
6001036	ONGX080620SNHB KCK15	S36
6001106	ONGX080620ENLE KC514M	S35
6001107	ONGX080620SNGP KC514M	S35
6001108	ONGX080620SNGP KCK15	S35
6001231	LNGU15T604ERGEJ KC422M	T18
6001232	LNGU15T608ERGEJ KC422M	T18
6001233	LNPU15T620SRGE KC725M	T19
6001234	LNPU15T620SRGE KCPK30	T19
6001235	LNPU15T620SRGE KCK15	T19
6001236	LNPU15T620SRGE KCPM40	T19
6001237	LNPU15T620SRGE KC522M	T19
6001244	ONGX080620SNHB KC514M	S36
6001245	ONGX080620SNHB KCPK30	S36
6001247	ONGX080620SNHB KCK20	S36
6001258	ONGX080630SNHB KC514M	S36
6001259	ONGX080630SNHB KCK15	S36
6001260	ONGX080630SNHB KCK20	S36
6001316	ONGX0806ANSNGP KC514M	S35
6001317	ONGX0806ANSNGP KCK15	S35
6001321	ONPX080608SNGP KCK15	S36
6001322	ONPX080620SNHB KCK15	S36
6001323	ONGX080608SNHB KC514M	S36
6001324	ONGX080608SNHB KCK15	S36
6001972	MILL16D050Z05ON08W	S32
6001973	MILL16D063Z06ON08W	S32
6001974	MILL16D080Z10ON08W	S32
6001975	MILL16D100Z14ON08W	S32
6001976	MILL16D125Z18ON08W	S32
6001977	MILL16D160Z22ON08W	S32
6001978	MILL16D200Z28ON08W	S32
6002128	KCRA40Z04S22RN12	V147
6003372	B269A14600HP KCPK15	G70
6003373	B269A15200HP KCPK15	G70
6003401	B269A17600HP KCPK15	G70
6003402	B269A18600HP KCPK15	G70
6010729	XDPT090408ERD41 X500	V15
6010730	XDPT090408ERD41 SP6519	V15
6010771	XDPT090408ERD41 SC6525	V15
6010772	XDPT120508ERD41 X500	V23
6010773	XDPT120508ERD41 SP6519	V23
6010774	XDPT120508ERD41 SC6525	V23
6012527	EG0212M02U02GUN KCU10	C22
6012528	EG0251M02U02GUN KCU10	C22
6012529	EG0312M03U02GUN KCU10	C22
6012530	EG0312M03U04GUN KCU10	C22
6012651	EG063I1FU05GUN KCU10	C23
6012652	EG130I03U05GUN KCU10	C23
6012653	EG130I03U1GUN KCU10	C23
6012654	ER0312M03U00GUN KCU10	C23
6012655	ER130I03U00GUN KCU10	C24
6012656	EG0412M04U04GUN KCP10B	C22
6012657	EG0412M04U08GUN KCP10B	C22
6012658	EG192I04U1GUN KCP10B	C23
6012659	EG192I04U2GUN KCP10B	C23
6012660	EG255I06U1GUN KCP10B	C23
6012671	EG255I06U2GUN KCP10B	C23
6012672	EG0812M08U08GUN KCP10B	C22
6012673	EG0812M08U12GUN KCP10B	C22
6012674	EG0612M06U04GUN KCP10B	C22
6012675	EG317I08U3GUN KCP10B	C23
6012676	EG0512M05U04GUN KCP10B	C22
6012677	EG0512M05U08GUN KCP10B	C22
6012678	EG380I10U3GUN KCP10B	C23
6012679	EG1012M10U12GUN KCP10B	C22
6012680	ER0412M04U00GUN KCP10B	C23
6012681	ER192I04U00GUN KCP10B	C24
6012682	ER0512M05U00GUN KCP10B	C23
6012683	ER0612M06U00GUN KCP10B	C23
6012684	ER255I06U00GUN KCP10B	C24
6012685	ER317I08U00GUN KCP10B	C24
6012686	ER0812M08U00GUN KCP10B	C23
6012687	EG0200M02P02GUP KCU10	C18
6012688	EG0300M03P02GUP KCU10	C18
6012689	EG0300M03P04GUP KCU10	C18
6012690	EG0400M04P04GUP KCU10	C18
6012701	EG0400M04P08GUP KCU10	C18
6012702	EG0500M05P04GUP KCU10	C18
6012703	EG0500M05P08GUP KCU10	C18
6012704	EG0600M06P04GUP KCU10	C18
6012705	EG0600M06P08GUP KCU10	C18
6012706	EG063I1FP05GUP KCU10	C20
6012707	EG0700M06P08GUP KCU10	C18
6012708	EG0800M08P08GUP KCU10	C18
6012709	EG0800M08P12GUP KCU10	C18
6012710	EG094I02P05GUP KCU10	C20
6012711	EG1000M10P12GUP KCU10	C18
6012712	EG125I03P05GUP KCU10	C20
6012713	EG125I03P1GUP KCU10	C20
6012714	EG187I04P1GUP KCU10	C20
6012715	EG187I04P2GUP KCU10	C20
6012716	EG250I06P1GUP KCU10	C20
6012717	EG250I06P2GUP KCU10	C20
6012718	EG312I08P3GUP KCU10	C20
6012719	EG375I10P3GUP KCU10	C20
6012720	ER0300M03P00GUP KCU10	C21
6012721	ER0400M04P00GUP KCU10	C21
6012722	ER0500M05P00GUP KCU10	C21
6012723	ER0600M06P00GUP KCU10	C21
6012724	ER0800M08P00GUP KCU10	C21
6012725	ER125I03P00GUP KCU10	C22
6012726	ER187I04P00GUP KCU10	C22
6012727	ER250I06P00GUP KCU10	C22
6012728	ER312I08P00GUP KCU10	C22
6012729	EG0412M04U04GUP KCP10B	C17
6012730	EG0412M04U08GUP KCP10B	C17
6012741	EG192I04U1GUP KCP10B	C19
6012742	EG192I04U2GUP KCP10B	C19
6012743	EG255I06U1GUP KCP10B	C19
6012744	EG255I06U2GUP KCP10B	C19
6012745	EG0812M08U08GUP KCP10B	C17
6012746	EG0812M08U12GUP KCP10B	C17
6012747	EG0612M06U04GUP KCP10B	C17
6012748	EG0612M06U08GUP KCP10B	C17
6012749	EG317I08U3GUP KCP10B	C19
6012750	EG0512M05U04GUP KCP10B	C17
6012751	EG0512M05U08GUP KCP10B	C17
6012752	EG0712M06U08GUP KCP10B	C17
6012753	EG380I10U3GUP KCP10B	C19
6012754	EG1012M10U12GUP KCP10B	C17
6012755	ER0412M04U00GUP KCP10B	C20
6012756	ER192I04U00GUP KCP10B	C21
6012757	ER0512M05U00GUP KCP10B	C20
6012758	ER0612M06U00GUP KCP10B	C20
6012759	ER255I06U00GUP KCP10B	C21
6012760	ER317I08U00GUP KCP10B	C21
6012761	ER0812M08U00GUP KCP10B	C20
6012762	EG0312M03U04GUP KCP25B	C17
6012763	EG130I03U05GUP KCP25B	C19
6012764	EG130I03U1GUP KCP25B	C19
6012765	EG0212M02U02GUP KCP25B	C17
6012766	EG0251M02U02GUP KCP25B	C17
6012767	ER0312M03U00GUP KCP25B	C20
6012768	ER130I03U00GUP KCP25B	C21
6012898	EG0412M04U04GUN KCU10	C22
6012899	EG0412M04U08GUN KCU10	C22
6012900	EG0512M05U04GUN KCU10	C22
6012901	EG0512M05U08GUN KCU10	C22
6012902	EG0612M06U04GUN KCU10	C22
6012903	EG0612M06U08GUN KCU10	C22
6012904	EG0812M08U08GUN KCU10	C22
6012905	EG0812M08U12GUN KCU10	C22
6012906	EG1012M10U12GUN KCU10	C22
6012907	EG192I04U1GUN KCU10	C23
6012908	EG192I04U2GUN KCU10	C23
6012909	EG255I06U1GUN KCU10	C23
6012910	EG255I06U2GUN KCU10	C23
6012911	EG317I08U3GUN KCU10	C23
6012913	EG380I10U3GUN KCU10	C23
6012914	ER0412M04U00GUN KCU10	C23
6012915	ER0512M05U00GUN KCU10	C23
6012916	ER0612M06U00GUN KCU10	C23
6012917	ER0812M08U00GUN KCU10	C23
6012918	ER192I04U00GUN KCU10	C24
6012919	ER255I06U00GUN KCU10	C24
6012920	ER317I08U00GUN KCU10	C24
6012944	EG0412M04U04GUP KCU10	C17
6012945	EG0412M04U08GUP KCU10	C17
6012946	EG0512M05U04GUP KCU10	C17
6012947	EG0512M05U08GUP KCU10	C17
6012948	EG0612M06U04GUP KCU10	C17
6012949	EG0612M06U08GUP KCU10	C17
6012950	EG0712M06U08GUP KCU10	C17
6012961	EG0812M08U08GUP KCU10	C17
6012962	EG0812M08U12GUP KCU10	C17
6012963	EG1012M10U12GUP KCU10	C17
6012964	EG192I04U1GUP KCU10	C19
6012965	EG192I04U2GUP KCU10	C19
6012966	EG255I06U1GUP KCU10	C19
6012967	EG255I06U2GUP KCU10	C19
6012968	EG317I08U3GUP KCU10	C19
6012969	EG380I10U3GUP KCU10	C19
6012970	ER0412M04U00GUP KCU10	C20
6012971	ER0512M05U00GUP KCU10	C20
6012972	ER0612M06U00GUP KCU10	C20
6012973	ER0812M08U00GUP KCU10	C20
6012974	ER192I04U00GUP KCU10	C21
6012975	ER255I06U00GUP KCU10	C21
6012976	ER317I08U00GUP KCU10	C21
6013031	EG0212M02U02GUP KCU10	C17
6013032	EG0251M02U02GUP KCU10	C17
6013033	EG0312M03U02GUP KCU10	C17
6013034	EG0312M03U04GUP KCU10	C17
6013035	EG130I03U05GUP KCU10	C19
6013036	EG130I03U1GUP KCU10	C19
6013037	ER0312M03U00GUP KCU10	C20
6013038	ER130I03U00GUP KCU10	C21
6013040	EG0312M03U02GUN KCP10B	C22
6013061	EG0312M03U04GUN KCP10B	C22
6013062	EG130I03U05GUN KCP10B	C23
6013063	EG130I03U1GUN KCP10B	C23
6013064	EG0212M02U02GUN KCP10B	C22
6013065	EG0251M02U02GUN KCP10B	C22
6013066	EG063I1FU05GUN KCP10B	C23
6013067	ER0312M03U00GUN KCP10B	C23
6013068	ER130I03U00GUN KCP10B	C24
6013069	EG0312M03U02GUP KCP10B	C17
6013070	EG0312M03U04GUP KCP10B	C17
6013091	EG130I03U05GUP KCP10B	C19
6013092	EG130I03U1GUP KCP10B	C19
6013093	EG0212M02U02GUP KCP10B	C17
6013095	EG0251M02U02GUP KCP10B	C17
6013096	ER0312M03U00GUP KCP10B	C20
6013097	ER130I03U00GUP KCP10B	C21
6013099	EG0312M03U02GUN KCP25B	C22
6013100	EG0312M03U04GUN KCP25B	C22
6013131	EG130I03U05GUN KCP25B	C23
6013132	EG130I03U1GUN KCP25B	C23
6013133	EG0212M02U02GUN KCP25B	C22
6013134	EG0251M02U02GUN KCP25B	C22
6013135	EG063I1FU05GUN KCP25B	C23
6013136	ER0312M03U00GUN KCP25B	C23
6013137	ER130I03U00GUN KCP25B	C24
6017353	EG0312M03U02GUN KCK20B	C22
6017354	EG0312M03U04GUN KCK20B	C22

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6017356	EG130I03U05GUN KCK20B	C23
6017357	EG130I03U1GUN KCK20B	C23
6017358	EG0212M02U02GUN KCK20B	C22
6017359	EG0251M02U02GUN KCK20B	C22
6017360	EG063I1FU05GUN KCK20B	C23
6017391	ER0312M03U00GUN KCK20B	C23
6017392	ER130I03U00GUN KCK20B	C24
6017393	EG0412M04U04GUN KCK20B	C22
6017394	EG0412M04U08GUN KCK20B	C22
6017395	EG192I04U1GUN KCK20B	C23
6017396	EG192I04U2GUN KCK20B	C23
6017397	EG255I06U1GUN KCK20B	C23
6017398	EG255I06U2GUN KCK20B	C23
6017399	EG0812M08U08GUN KCK20B	C22
6017400	EG0812M08U12GUN KCK20B	C22
6017481	EG0612M06U04GUN KCK20B	C22
6017482	EG0612M06U08GUN KCK20B	C22
6017483	EG317I08U3GUN KCK20B	C23
6017484	EG0512M05U04GUN KCK20B	C22
6017485	EG0512M05U08GUN KCK20B	C22
6017486	EG380I10U3GUN KCK20B	C23
6017487	EG1012M10U12GUN KCK20B	C22
6017488	ER0412M04U00GUN KCK20B	C23
6017489	ER192I04U00GUN KCK20B	C24
6017490	ER0512M05U00GUN KCK20B	C23
6017491	ER0612M06U00GUN KCK20B	C23
6017492	ER255I06U00GUN KCK20B	C24
6017493	ER317I08U00GUN KCK20B	C24
6017494	ER0812M08U00GUN KCK20B	C23
6017497	EC030M03L06CF02 KCM35B	C24
6017498	EC030M03R06CF02 KCM35B	C24
6017499	EC014M1BN00CF01 KCM35B	C24
6017500	EC020M02N00CF02 KCM35B	C24
6017511	EC014M1BN00CL01 KCM35B	C25
6017512	EC020M02N00CL02 KCM35B	C25
6017513	EC020M02L06CF02 KCM35B	C24
6017514	EC020M02R06CF02 KCM35B	C24
6017515	EC014M1BL06CL01 KCM35B	C25
6017516	EC014M1BR06CL01 KCM35B	C25
6017517	EC020M02L06CL02 KCM35B	C25
6017518	EC020M02R06CL02 KCM35B	C25
6017519	EC030M03L06CL02 KCM35B	C25
6017520	EC030M03R06CL02 KCM35B	C25
6017521	EC014M1BL06CF01 KCM35B	C24
6017522	EC014M1BR06CF01 KCM35B	C24
6017525	EG0412M04U04GUP KCP25B	C17
6017526	EG0412M04U08GUP KCP25B	C17
6017527	EG192I04U1GUP KCP25B	C19
6017528	EG192I04U2GUP KCP25B	C19
6017529	EG255I06U1GUP KCP25B	C19
6017530	EG255I06U2GUP KCP25B	C19
6017541	EG0812M08U08GUP KCP25B	C17
6017542	EG0812M08U12GUP KCP25B	C17
6017543	EG0612M06U04GUP KCP25B	C17
6017544	EG0612M06U08GUP KCP25B	C17
6017545	EG317I08U3GUP KCP25B	C19
6017546	EG0512M05U04GUP KCP25B	C17
6017547	EG0512M05U08GUP KCP25B	C17
6017548	EG0712M06U08GUP KCP25B	C17
6017549	EG380I10U3GUP KCP25B	C19
6017550	EG1012M10U12GUP KCP25B	C17
6017551	ER0412M04U00GUP KCP25B	C20
6017552	ER192I04U00GUP KCP25B	C21
6017553	ER0512M05U00GUP KCP25B	C20
6017555	ER0612M06U00GUP KCP25B	C20
6017556	ER255I06U00GUP KCP25B	C21
6017557	ER317I08U00GUP KCP25B	C21
6017558	ER0812M08U00GUP KCP25B	C20
6017560	EG0412M04U04GUN KCP25B	C22
6017581	EG0412M04U08GUN KCP25B	C22
6017582	EG192I04U1GUN KCP25B	C23
6017583	EG192I04U2GUN KCP25B	C23
6017584	EG255I06U1GUN KCP25B	C23
6017585	EG255I06U2GUN KCP25B	C23
6017587	EG0812M08U08GUN KCP25B	C22
6017588	EG0812M08U12GUN KCP25B	C22
6017589	EG0612M06U08GUN KCP25B	C22
6017590	EG317I08U3GUN KCP25B	C23
6017601	EG0512M05U04GUN KCP25B	C22
6017603	EG0512M05U08GUN KCP25B	C22
6017604	EG380I10U3GUN KCP25B	C23
6017605	EG1012M10U12GUN KCP25B	C22
6017606	ER0412M04U00GUN KCP25B	C23
6017607	ER192I04U00GUN KCP25B	C24
6017608	ER0512M05U00GUN KCP25B	C23
6017609	ER0612M06U00GUN KCP25B	C23
6017610	ER255I06U00GUN KCP25B	C24
6017611	ER317I08U00GUN KCP25B	C24
6017612	ER0812M08U00GUN KCP25B	C23
6017625	MILL16D250Z340N08W	S32
6017693	KM80TSKGMER65C	C61, C132
6017694	KM80TSKGMEL65C	C61, C132
6017695	KM80TSKGMSR65C	C60, C131
6017696	KM80TSKGMSL65C	C60, C131
6017697	KM80ATCKGMER65C	C61, C132
6017698	KM80ATCKGMEL65C	C61, C132
6017868	WNMG060404FW KCP05B	B156
6017935	EC040M04N00CF02 KCM35B	C24
6017936	EC040M04L06CF02 KCM35B	C24
6017937	EC040M04R06CF02 KCM35B	C24
6017938	EC040M04N00CL02 KCM35B	C25
6017939	EC030M03N00CF02 KCM35B	C24
6017940	EC030M03N00CL02 KCM35B	C25
6018001	EC050M05N00CF03 KCM35B	C24
6019340	ONGX0806ANENLE KC514M	S35
6019506	LNPU15T616SRGE KCPM40	T19
6019507	LNGU15T620SRGEM KC520M	T19
6019508	LNGU15T620SRGEM KCK15	T19
6019509	LNGU15T620SRGEM KCPK30	T19
6019510	LNGU15T620SRGEM KCPM40	T19
6020741	SDET1204PDSRGB KCSM40	T105, T112, U51
6023085	B053A01000CPG KC7325	G18
6023086	B053A01016CPG KC7325	G18
6023087	B053A01067CPG KC7325	G18
6023088	B053A01100CPG KC7325	G18
6023089	B053A01181CPG KC7325	G18
6023090	B053A01191CPG KC7325	G18
6023121	B053A01200CPG KC7325	G18
6023122	B053A01300CPG KC7325	G18
6023123	B053A01321CPG KC7325	G18
6023124	B053A01397CPG KC7325	G18
6023125	B053A01400CPG KC7325	G18
6024320	7792VXP06SA035Z6R43	V4, V6
6024361	7792VXD09SA025Z3R35	V9, V13
6024362	7792VXD09SA032Z4R43	V9, V13
6024363	7792VXD09SA035Z4R43	V9, V13
6024365	7792VXD09SA042Z5R43	V9, V13
6024366	7792VXD09CA025Z3R50	V11, V13
6024367	7792VXD09CA032Z4R70	V11, V13
6024368	7792VXD09-A050Z7R	V12–13
6024369	7792VXD09-A052Z5R	V12–13
6024370	7792VXD09-A052Z6R	V12–13
6024371	7792VXD09-A052Z7R	V12–13
6024372	7792VXD09-A063Z5R	V12–13
6024373	7792VXD09-A063Z6R	V12–13
6024374	7792VXD09-A063Z9R	V12–13
6024375	7792VXD09-A066Z5R	V12–13
6024376	7792VXD09-A066Z6R	V12–13
6024377	7792VXD09-A066Z9R	V12–13
6025272	7792VXD12-A040Z4R	V20–22
6025273	7792VXD12-A050Z6R	V20–22
6025274	7792VXD12-A052Z6R	V20–22
6025275	7792VXD12-A063Z7R	V20–22
6025276	7792VXD12-A066Z7R	V20–22
6025277	7792VXD12-A080Z10R	V20–22
6025278	7792VXD12-A100Z11R	V20–22
6025279	7792VXD12-A125Z13R	V20–22
6025280	7792VXD12SA032Z3R43	V18, V22
6025561	7792VXD12SA035Z3R43	V18, V22
6025562	7792VXD12SA042Z4R43	V18, V22
6025563	7792VXD12CA032Z3R70	V19, V22
6025614	7792VXE16-A050Z3R	V28–29
6025615	7792VXE16-A050Z4R	V28–29
6025616	7792VXE16-A052Z4R	V28–29
6025617	7792VXE16-A063Z6R	V28–29
6025618	7792VXE16-A066Z6R	V28–29
6025619	7792VXE16-A080Z7R	V28–29
6025620	7792VXE16-A100Z9R	V28–29
6025661	7792VXE16-A125Z11R	V28–29
6025662	7792VXE16-160Z13R	V28–29
6025665	DFT070408DS KCU40	J88
6025666	SPPX120408LP KCU40	J90
6025669	DFT030304DS KCU40	J88
6025670	SPPX070304LP KCU40	J90
6025821	DFTX20204DS KCU40	J88
6025822	SPGX050204LP KCU40	J90
6025823	DFT05T308DS KCU40	J88
6025824	SPPX09T308LP KCU40	J90
6025825	DFT05T308D32DS KCU40	H88
6025826	DFT05T308D33DS KCU40	H88
6025827	DFT06T308D36DS KCU40	H88
6025828	DFT06T308D39DS KCU40	H88
6025829	DFT06T308D44DS KCU40	H88
6025830	DFT070408D45DS KCU40	H88
6025891	DFT070408D50DS KCU40	H88
6025892	DFT090508D56DS KCU40	H88
6025893	DFT090508D63DS KCU40	H88
6025894	DFT090508DS KCU40	J88
6025895	DFC040310D28DS KCU40	H90
6025896	DFC05T312D32DS KCU40	H90
6025897	DFC06T312D36DS KCU40	H90
6025898	DFC070416D45DS KCU40	H90
6025899	DFC090520D56DS KCU40	H90
6026363	DFT06T308DS KCU40	J88
6026364	SPGX060304LP KCU40	J90
6026365	TPGN220408 KCP25B	B171
6026366	SPGR120308K KCP25B	B169
6026367	TPGR160308K KCP25B	B171
6027457	TPMR160308 KCP25B	B171
6030969	EVM50R0212M	C50
6030970	EVM50L0212M	C51
6031031	EVM50R0512MC	C50
6031032	EVM50L0512MC	C51
6031033	EVM50R0516MC	C50
6031034	EVM50L0516MC	C51
6031035	EVM65R0616MC	C50
6031036	EVM65L0616MC	C51
6031037	EVM65R0632MC	C50
6031038	EVM65L0632MC	C51
6031039	EVM65R0816MC	C50
6031040	EVM65L0816MC	C51
6031041	EVM50R1F12M	C50
6031042	EVM50L1F12M	C51
6031130	KTIP0852FEGM KCPM45	H29
6033254	XDPW120515SRD KCPM40	V25
6033255	XDPW120515SRD KCPK30	V25
6033256	XDPW120515SRD KC522M	V25
6033257	XDPW120515SRD KCK15	V25
6033258	XDPW120515SRD KC510M	V25
6034358	LNUX191950RRF KCP10B	E48
6034359	LNUX191950RRF KCP25B	E48
6034360	LNUX191950RRP KCP10B	E48
6034411	LNUX191950RRP KCP25B	E48
6039659	HNGJ0604ANSNHD KCPM40	S7, S12, S16
6039660	HNGJ0604ANSNHD KCK15	S7, S12, S16
6039811	HNGJ0604ANSNHD KC522M	S7, S12, S16
6039812	HNGJ0604ANSNHD KCPK30	S7, S12, S16
6039814	SNHJ120608SNGD KCPM40	S63
6039815	SNHJ120608SNGD KCPK30	S63
6039816	SNHJ120608SNGD KCK15	S63
6039817	SNHJ120608SNGD KC520M	S63
6039818	SNHJ120608SNGD KC522M	S63
6041797	KSEMP7200FDS71B1M	H86, H95
6041798	KSEMP7400FDS71B1M	H86, H95
6041799	KSEMP7600FDS71B1M	H86, H95
6041800	KSEMP7800FDS71B1M	H86, H95
6041881	KSEMP8000FDS80B1M	H86, H96
6041882	KSEMP8200FDS80B1M	H86, H96
6041883	KSEMP8400FDS80B1M	H86, H96
6041884	KSEMP8600FDS80B1M	H86, H96
6041885	KSEMP8800FDS80B1M	H86, H96
6041886	KSEMP9000FDS90B1M	H86, H96
6041887	KSEMP9200FDS90B1M	H86, H96
6041888	KSEMP9400FDS90B1M	H86, H96
6041889	KSEMP9600FDS90B1M	H86, H96
6041890	KSEMP9800FDS90B1M	H86, H96
6041901	KSEMP10000FDS90B1M	H86, H96
6041904	KSEMP7100FDS71A1M	H82, H92, H99
6041906	KSEMP7300FDS71A1M	H82, H92, H99
6041907	KSEMP7500FDS71A1M	H82, H92, H99
6041908	KSEMP7700FDS71A1M	H82, H93, H99
6041909	KSEMP7900FDS71A1M	H82, H93, H99
6041910	KSEMP8100FDS80A1M	H82, H93, H99
6041921	KSEMP8300FDS80A1M	H82, H93, H99
6041922	KSEMP8500FDS80A1M	H82, H93, H99
6041923	KSEMP8700FDS80A1M	H82, H93, H99
6041924	KSEMP8900FDS80A1M	H82, H93, H99
6041925	KSEMP9100FDS90A1M	H82, H93, H99
6041926	KSEMP9300FDS90A1M	H82, H93, H99
6041927	KSEMP9500FDS90A1M	H82, H93, H99
6041928	KSEMP9700FDS90A1M	H82, H93, H99
6041929	KSEMP9900FDS90A1M	H82, H93, H99
6041930	KSEMP10000FDS90A1M	H82, H93, H99
6041931	KSEMP7303FDS71A1M	H82, H92, H99
6041932	KSEMP7938FDS80A1M	H82, H93, H99
6041933	KSEMP8573FDS80A1M	H82, H93, H99
6041934	KSEMP9208FDS90A1M	H82, H93, H99
6041935	KSEMP9843FDS90A1M	H82, H93, H99
6041937	KSEMP7100FDS71B1M	H86, H95
6041938	KSEMP7300FDS71B1M	H86, H95
6041939	KSEMP7500FDS71B1M	H86, H95
6041940	KSEMP7700FDS71B1M	H86, H95
6041991	KSEMP7900FDS71B1M	H86, H96
6041992	KSEMP8100FDS80B1M	H86, H96
6041993	KSEMP8300FDS80B1M	H86, H96
6041994	KSEMP8500FDS80B1M	H86, H96
6041995	KSEMP8700FDS80B1M	H86, H96
6041996	KSEMP8900FDS80B1M	H86, H96
6041997	KSEMP9100FDS90B1M	H86, H96
6041998	KSEMP9300FDS90B1M	H86, H96
6041999	KSEMP9500FDS90B1M	H86, H96
6042000	KSEMP9700FDS90B1M	H86, H96
6042001	KSEMP9900FDS90B1M	H86, H96
6042002	KSEMP7303FDS71B1M	H86, H95
6042003	KSEMP7938FDS80B1M	H86, H96
6042004	KSEMP8573FDS80B1M	H86, H96
6042005	KSEMP9208FDS90B1M	H86, H96
6042006	KSEMP9843FDS90B1M	H86, H96
6042982	KSDR100031E0W4S KD1400	S127
6042983	KSDR100031E0W4S KD1425	S127
6042984	KSDR100031E1W4S KD1400	S127
6042985	KSDR100031E1W4S KD1425	S127
6042986	KSDR100031E3W4S KD1400	S128
6042987	KSDR100031E3W4S KD1425	S128
6042988	KSDR100093E1W4S KD1400	S127
6042989	KSDR100093E1W4S KD1425	S127
6042990	KSDR102S KD1400	S128
6043031	KSDR102S KD1425	S128
6044682	KBDM063SD06	S126
6044683	KBDM080SD08	S126
6044684	KBDM100SD12	S126
6044685	KBDM125SD16	S126
6044686	KBDM160SD18	S126
6044687	KBDM200SD24	S126
6044824	LNGU15T608SRGEH KCSM40	T20
6048710	KSEM2554HPGM KC7315	H43
6049015	WLJNR32CA19S	E49
6049016	WLJNL32CA19S	E49
6049017	WLJNR32CA30S	E49
6049018	WLJNL32CA30S	E49
6054192	KSCMA90UNBF KD1400	S134
6054193	KSCMA90UNBF KD1420	S134

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6054194	KSCMA90QFBF KD1400	S134
6054195	KSCMA90QFBF KD1420	S134
6055137	RMR14000H7SF KCU05	K15
6055138	RMR15000H7SF KCU05	K15
6055139	RMR16000H7SF KCU05	K15
6055140	RMR17000H7SF KCU05	K15
6055148	CNMM190616MR KCP25B	B54
6055261	RMR18000H7SF KCU05	K15
6055262	RMR19000H7SF KCU05	K15
6055263	RMR20000H7SF KCU05	K15
6055264	RMR14000H7HF KCU05	K16
6055265	RMR15000H7HF KCU05	K16
6055266	RMR16000H7HF KCU05	K16
6055267	RMR17000H7HF KCU05	K16
6055268	RMR18000H7HF KCU05	K16
6055270	RMR19000H7HF KCU05	K16
6055271	RMR20000H7HF KCU05	K16
6055272	RHR14000KST115H7SF KCU05	K27
6055273	RHR15000KST115H7SF KCU05	K27
6055274	RHR16000KST135H7SF KCU05	K27
6055275	RHR17000KST135H7SF KCU05	K27
6055276	RHR18000KST155H7SF KCU05	K27
6055277	RHR19000KST155H7SF KCU05	K27
6055278	RHR20000KST175H7SF KCU05	K27
6055279	RHR21000KST175H7SF KCU05	K27
6055280	RHR22000KST175H7SF KCU05	K27
6055281	RHR23000KST200H7SF KCU05	K27
6055282	RHR24000KST200H7SF KCU05	K27
6055283	RHR25000KST200H7SF KCU05	K27
6055284	RHR26000KST200H7SF KCU05	K27
6055285	RHR27000KST200H7SF KCU05	K27
6055287	RHR28000KST250H7SF KCU05	K27
6055288	RHR29000KST250H7SF KCU05	K27
6055289	RHR30000KST250H7SF KCU05	K27
6055290	RHR31000KST250H7SF KCU05	K27
6055291	RHR32000KST250H7SF KCU05	K27
6055292	RHR33000KST300H7SF KCU05	K27
6055293	RHR34000KST300H7SF KCU05	K27
6055294	RHR35000KST300H7SF KCU05	K27
6055295	RHR36000KST300H7SF KCU05	K27
6055296	RHR37000KST300H7SF KCU05	K27
6055297	RHR38000KST350H7SF KCU05	K27
6055298	RHR39000KST350H7SF KCU05	K27
6055299	RHR40000KST350H7SF KCU05	K27
6055300	RHR41000KST350H7SF KCU05	K27
6055301	RHR42000KST350H7SF KCU05	K27
6055302	RHR14000KST115H7HF KCU05	K28
6055303	RHR15000KST115H7HF KCU05	K28
6055304	RHR16000KST135H7HF KCU05	K28
6055305	RHR17000KST135H7HF KCU05	K28
6055306	RHR18000KST155H7HF KCU05	K28
6055307	RHR19000KST155H7HF KCU05	K28
6055308	RHR20000KST175H7HF KCU05	K28
6055309	RHR21000KST175H7HF KCU05	K28
6055310	RHR22000KST175H7HF KCU05	K28
6055311	RHR23000KST200H7HF KCU05	K28
6055312	RHR24000KST200H7HF KCU05	K28
6055313	RHR25000KST200H7HF KCU05	K28
6055314	RHR26000KST200H7HF KCU05	K28
6055315	RHR27000KST200H7HF KCU05	K28
6055316	RHR28000KST250H7HF KCU05	K28
6055317	RHR29000KST250H7HF KCU05	K28
6055318	RHR30000KST250H7HF KCU05	K28
6055319	RHR31000KST250H7HF KCU05	K28
6055320	RHR32000KST250H7HF KCU05	K28
6055321	RHR33000KST300H7HF KCU05	K28
6055322	RHR34000KST300H7HF KCU05	K28
6055323	RHR35000KST300H7HF KCU05	K28
6055324	RHR36000KST300H7HF KCU05	K28
6055325	RHR37000KST300H7HF KCU05	K28
6055326	RHR38000KST350H7HF KCU05	K28
6055327	RHR39000KST350H7HF KCU05	K28
6055328	RHR40000KST350H7HF KCU05	K28
6055329	RHR41000KST350H7HF KCU05	K28
6055330	RHR42000KST350H7HF KCU05	K28
6055505	SNMG120404MN KCP10B	B98
6056569	B256A11900YPC KCK10	G60
6056600	HDWM5EUS	S126
6059086	T877G01250-28R-D56 KSP39	M78
6059087	T877G01250-28R-D56 KSU31	M78
6059088	T877G02500-19R-D56 KSP39	M78
6059089	T877G02500-19R-D56 KSU31	M78
6059090	T877G03750-19R-D56 KSP39	M78
6059101	T877G03750-19R-D56 KSU31	M78
6059102	T877G05000-14R-D56 KSP39	M78
6059103	T877G05000-14R-D56 KSU31	M78
6059104	T877G06250-14R-D56 KSP39	M78
6059105	T877G06250-14R-D56 KSU31	M78
6059106	T877G07500-14R-D56 KSP39	M78
6059107	T877G07500-14R-D56 KSU31	M78
6059108	T877G08750-14R-D56 KSP39	M78
6059109	T877G08750-14R-D56 KSU31	M78
6059110	T877G10000-11R-D56 KSP39	M78
6059111	T877G10000-11R-D56 KSU31	M78
6059167	T857G01250-28R-D56 KSP39	M78
6059168	T857G01250-28R-D56 KSU31	M78
6059169	T857G02500-19R-D56 KSP39	M78
6059170	T857G02500-19R-D56 KSU31	M78
6059171	T857G03750-19R-D56 KSP39	M78
6059172	T857G03750-19R-D56 KSU31	M78
6059173	T857G05000-14R-D56 KSP39	M78
6059174	T857G05000-14R-D56 KSU31	M78
6059175	T857G06250-14R-D56 KSP39	M78
6059176	T857G06250-14R-D56 KSU31	M78
6059177	T857G07500-14R-D56 KSP39	M78
6059178	T857G07500-14R-D56 KSU31	M78
6059179	T857G08750-14R-D56 KSP39	M78
6059180	T857G08750-14R-D56 KSU31	M78
6059181	T857G10000-11R-D56 KSP39	M78
6059182	T857G10000-11R-D56 KSU31	M78
6059288	T848NPT00625-27R-D56 KSU30	M79
6059289	T848NPT01250-27R-D56 KSU30	M79
6059290	T848NPT02500-18R-D56 KSU30	M79
6059321	T848NPT03750-18R-D56 KSU30	M79
6059322	T848NPT05000-14R-D56 KSU30	M79
6059323	T848NPT07500-14R-D56 KSU30	M79
6059324	T848NPT10000-11,5R-D56 KSU30	M79
6059325	T848NPTF00625-27R-D56 KSU30	M79
6059328	T848NPTF01250-27R-D56 KSU30	M79
6059329	T848NPTF02500-18R-D56 KSU30	M79
6059341	T848NPTF03750-18R-D56 KSU30	M79
6059342	T848NPTF05000-14R-D56 KSU30	M79
6059343	T848NPTF07500-14R-D56 KSU30	M79
6059344	T848NPTF10000-11,5R-D56 KSU30	M79
6063443	UDDE1600A5ARP KC643M	P32
6063444	UDDE2000A5ARP KC643M	P32
6063445	UDDE2500A5ARP KC643M	P32
6063446	UJDE1600A6AQP KCSM15	P49
6063447	UJDE2000A6AQP KCSM15	P49
6063448	UJDE2500A6AQP KCSM15	P49
6063449	UGDE1600A5BRP KC643M	P37
6063450	UGDE2000A5BRP KC643M	P37
6063471	UGDE2500A5BRP KC643M	P37
6063599	FSDE1600EBDYL KC643M	P94
6063661	FSDE1600EBDYP KC643M	P94
6063663	FSDE2000EFDYP KC643M	P94
6063665	FSDE2500EJDYL KC643M	P94
6063667	FSDE2500EJDYP KC643M	P94
6064367	KTIP1080FEGM KCPM45	H29
6064575	F4AS1600AWX38R600 KCPM15	P18
6064576	F4AS2000AWX38R600 KCPM15	P18
6064577	F4AS2500AWX38R600 KCPM15	P18
6064578	F4AS1600BWX38R600 KCPM15	P18
6064579	F4AS2000BWX38R600 KCPM15	P18
6064580	F4AS2500BWX38R600 KCPM15	P18
6064691	UBDE1600E4AQP KCSM15	P18
6064692	UBDE2000E4AQP KCSM15	P18
6064693	UBDE2500E4AQP KCSM15	P18
6064694	UDDE1600B5ARP KC643M	P32
6064695	UDDE2000B5ARP KC643M	P32
6064696	UDDE2500B5ARP KC643M	P32
6064697	UDDE1600E5AQP KCSM15	P32
6064698	UDDE2000E5AQP KCSM15	P32
6064699	UDDE2500E5AQP KCSM15	P32
6064700	UGDE1600A5ARP KC643M	P36
6064701	UGDE2000A5ARP KC643M	P36
6064702	UGDE2500A5ARP KC643M	P36
6065059	RPPT1204M0SGDX4 KCM40	V97
6066131	ABDE1200A3ARL K600	P112
6066132	ABDE1600A3ARL K600	P113
6066133	F2AA1200AWL45R250 K600	P120
6066134	F2AA1600AWX45R250 K600	P120
6068043	HNGJ090543ANSNHD KCPM40	S19, S23
6068798	HNPJ060432ANSNHD KCPM40	S7, S13, S16
6069649	KTIP1490FEGM KCPM45	H29
6072110	UKDV1000X4CV KCPM15	08
6072161	UKDV1200X4CV KCPM15	08
6072162	UKDV1600X4CV KCPM15	08
6072163	UKDV2000X4CV KCPM15	08
6072164	UKDV2500X4CV KCPM15	08
6072165	UKDV3200X4CV KCPM15	08
6072166	ULDV1000X4CQE KCSM15	09
6072167	ULDV1000X4CQG KCSM15	09
6072168	ULDV1000X4CQJ KCSM15	09
6072169	ULDV1200X4CQE KCSM15	09
6072170	ULDV1200X4CQG KCSM15	09
6072181	ULDV1200X4CQJ KCSM15	09
6072182	ULDV1200X4CQL KCSM15	09
6072183	ULDV1600X4CQG KCSM15	09
6072184	ULDV1600X4CQJ KCSM15	09
6072185	ULDV1600X4CQK KCSM15	09
6072186	ULDV1600X4CQL KCSM15	09
6072187	ULDV1600X4CQM KCSM15	09
6072188	ULDV2000X4CQG KCSM15	09
6072189	ULDV2000X4CQK KCSM15	09
6072190	ULDV2000X4CQL KCSM15	09
6072191	ULDV2000X4CQM KCSM15	09
6072192	ULDV2000X4CQN KCSM15	09
6072193	ULDV2500X4CQL KCSM15	09
6072194	ULDV2500X4CQN KCSM15	09
6072195	ULDV3200X4CQL KCSM15	09
6072196	ULDV3200X4CQN KCSM15	09
6072386	UJBV1000X6CN KCSM15	019
6072387	UJBV1200X6CN KCSM15	019
6072388	UJBV1600X6CN KCSM15	019
6072389	UJBV2000X6CN KCSM15	019
6072390	UJBV2500X6CN KCSM15	019
6072411	UKBV1000X4CN KCPM15	018
6072412	UKBV1200X4CN KCPM15	018
6072413	UKBV1600X4CN KCPM15	018
6072414	UKBV2000X4CN KCPM15	018
6072415	UKBV2500X4CN KCPM15	018
6072442	UJDV1000X6CQE KCSM15	016
6072443	UJDV1000X6CQG KCSM15	016
6072444	UJDV1000X6CQJ KCSM15	016
6072445	UJDV1200X6CQE KCSM15	016
6072446	UJDV1200X6CQG KCSM15	016
6072447	UJDV1200X6CQJ KCSM15	016
6072448	UJDV1200X6CQL KCSM15	016
6072449	UJDV1600X6CQG KCSM15	016
6072450	UJDV1600X6CQJ KCSM15	016
6072481	UCDV1000X5CV KCPM15	012
6072482	UCDV1200X5CV KCPM15	012
6072483	UCDV1600X5CV KCPM15	012
6072484	UCDV2000X5CV KCPM15	012
6072485	UCDV2500X5CV KCPM15	012
6072486	UCDV3200X5CV KCPM15	012
6072487	UDDV1000X5CQE KC643M	013
6072488	UDDV1000X5CQG KC643M	013
6072489	UDDV1000X5CQJ KC643M	013
6072491	UDDV1200X5CQE KC643M	013
6072492	UDDV1200X5CQG KC643M	013
6072493	UDDV1200X5CQJ KC643M	013
6072494	UDDV1200X5CQL KC643M	013
6072495	UDDV1600X5CQG KC643M	013
6072496	UDDV1600X5CQJ KC643M	013
6072497	UDDV1600X5CQK KC643M	013
6072498	UDDV1600X5CQL KC643M	013
6072499	UDDV1600X5CQM KC643M	013
6072500	UDDV2000X5CQG KC643M	013
6072501	UDDV2000X5CQK KC643M	013
6072502	UDDV2000X5CQL KC643M	013
6072503	UDDV2000X5CQM KC643M	013
6072504	UDDV2000X5CQN KC643M	013
6072505	UDDV2500X5CQL KC643M	013
6072506	UDDV2500X5CQN KC643M	013
6072507	UDDV3200X5CQL KC643M	013
6072508	UDDV3200X5CQN KC643M	013
6072561	UJDV1600X6CQK KCSM15	016
6072562	UJDV1600X6CQL KCSM15	016
6072563	UJDV1600X6CQM KCSM15	016
6072564	UJDV2000X6CQG KCSM15	016
6072565	UJDV2000X6CQK KCSM15	016
6072566	UJDV2000X6CQL KCSM15	016
6072567	UJDV2000X6CQM KCSM15	016
6072568	UJDV2000X6CQN KCSM15	016
6072569	UJDV2500X6CQL KCSM15	016
6072570	UJDV2500X6CQN KCSM15	016
6072571	UJDV3200X6CQL KCSM15	016
6072572	UJDV3200X6CQN KCSM15	016
6074027	XDPT120515SRGP KCPM40	V24
6074028	XDPT120515SRGP KCPK30	V24
6074029	XDPT120515SRGP KC725M	V24
6074030	XDPT120515SRGP KC522M	V24
6075455	DFSP140R2WB20M	J30
6075456	DFSP145R2WB20M	J30
6075457	DFSP150R2WB20M	J30
6075458	DFSP155R2WB20M	J30
6075459	DFSP160R2WB20M	J30
6075460	DFSP165R2WB20M	J30
6075491	DFSP170R2WB20M	J30–31
6075492	DFSP175R2WB25M	J30
6075493	DFSP180R2WB25M	J30
6075494	DFSP185R2WB25M	J30
6075495	DFSP190R2WB25M	J30
6075496	DFSP195R2WB25M	J30
6075497	DFSP200R2WB25M	J30
6075498	DFSP205R2WB25M	J30
6075499	DFSP209R2WB25M	J30
6075500	DFSP210R2WB25M	J30
6075501	DFSP215R2WB25M	J30–31
6075502	DFSP220R2WB25M	J30
6075503	DFSP225R2WB25M	J30
6075504	DFSP230R2WB25M	J30
6075505	DFSP235R2WB25M	J30
6075506	DFSP239R2WB25M	J30
6075507	DFSP240R2WB25M	J30
6075508	DFSP245R2WB25M	J30
6075610	DFSP140R3WB20M	J32
6075631	DFSP145R3WB20M	J32
6075632	DFSP150R3WB20M	J32
6075633	DFSP155R3WB20M	J32
6075634	DFSP160R3WB20M	J32
6075635	DFSP165R3WB20M	J32
6075636	DFSP170R3WB20M	J32–33
6075637	DFSP175R3WB25M	J32
6075638	DFSP180R3WB25M	J32
6075639	DFSP185R3WB25M	J32
6075640	DFSP190R3WB25M	J32
6075651	DFSP195R3WB25M	J32
6075652	DFSP200R3WB25M	J32
6075653	DFSP205R3WB25M	J32
6075654	DFSP209R3WB25M	J32
6075655	DFSP210R3WB25M	J32
6075656	DFSP215R3WB25M	J32–33
6075657	DFSP220R3WB25M	J32
6075658	DFSP225R3WB25M	J32
6075659	DFSP230R3WB25M	J32
6075660	DFSP235R3WB25M	J32
6075671	DFSP239R3WB25M	J32
6075672	DFSP240R3WB25M	J32
6075673	DFSP245R3WB25M	J32
6075677	DFSP140R4WB20M	J34
6075678	DFSP145R4WB20M	J34
6075679	DFSP150R4WB20M	J34
6075680	DFSP155R4WB20M	J34
6075712	DFSP140R5WB20M	J36
6075713	DFSP145R5WB20M	J36
6075714	DFSP150R5WB20M	J36
6075715	DFSP155R5WB20M	J36
6075716	DFSP160R5WB20M	J36
6075718	DFSP165R5WB20M	J36
6075719	DFSP170R5WB20M	J36–37
6075720	DFSP175R5WB25M	J36
6075721	DFSP160R4WB20M	J34
6075722	DFSP165R4WB20M	J34
6075723	DFSP170R4WB20M	J34–35
6075724	DFSP175R4WB25M	J34

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6075725	DFSP180R4WB25M	J34
6075726	DFSP185R4WB25M	J34
6075727	DFSP190R4WB25M	J34
6075728	DFSP195R4WB25M	J34
6075729	DFSP200R4WB25M	J34
6075741	DFSP205R4WB25M	J34
6075742	DFSP209R4WB25M	J34
6075743	DFSP210R4WB25M	J34
6075744	DFSP215R4WB25M	J34–35
6075745	DFSP220R4WB25M	J34
6075746	DFSP225R4WB25M	J34
6075747	DFSP230R4WB25M	J34
6075748	DFSP235R4WB25M	J34
6075749	DFSP239R4WB25M	J34
6075750	DFSP240R4WB25M	J34
6075751	DFSP245R4WB25M	J34
6075752	DFSP140R4WD20M	J26
6075753	DFSP145R4WD20M	J26
6075754	DFSP150R4WD20M	J26
6075755	DFSP155R4WD20M	J26
6075756	DFSP160R4WD20M	J26
6075757	DFSP165R4WD20M	J26
6075758	DFSP170R4WD20M	J26–27
6075761	DFSP180R5WB25M	J36
6075762	DFSP185R5WB25M	J36
6075763	DFSP190R5WB25M	J36
6075764	DFSP195R5WB25M	J36
6075765	DFSP200R5WB25M	J36
6075766	DFSP205R5WB25M	J36
6075767	DFSP209R5WB25M	J36
6075768	DFSP210R5WB25M	J36
6075769	DFSP215R5WB25M	J36–37
6075770	DFSP220R5WB25M	J36
6075781	DFSP225R5WB25M	J36
6075782	DFSP230R5WB25M	J36
6075783	DFSP235R5WB25M	J36
6075784	DFSP239R5WB25M	J36
6075787	DFSP240R5WB25M	J36
6075788	DFSP245R5WB25M	J36
6076012	SDET1204PDERGB KCSM40	T105, T112, U51
6079223	EVM65R0620A060075C	C53
6079224	EVM65R0620A075100C	C53
6079225	EVM65R0620A100180C	C53
6079226	EVM65R0620A180250C	C53
6079227	EVM65R0620A250350C	C53
6079228	EVM65R0620A350999C	C53
6079229	EVM65R0820A080180C	C53
6079230	EVM65R0820A180999C	C53
6079234	EVM65L0620A060075C	C54
6079235	EVM65L0620A075100C	C54
6079236	EVM65L0620A100180C	C54
6079237	EVM65L0620A180250C	C54
6079238	EVM65L0620A250350C	C54
6079239	EVM65L0620A350999C	C54
6079240	EVM65L0820A080180C	C54
6079241	EVM65L0820A180999C	C54
6079246	EVM65R0620B060075C	C56
6079247	EVM65R0620B075100C	C56
6079248	EVM65R0620B100180C	C56
6079249	EVM65R0620B180250C	C56
6079250	EVM65R0620B250350C	C56
6079261	EVM65R0620B350999C	C56
6079262	EVM65R0820B080180C	C56
6079263	EVM65R0820B180999C	C56
6079266	EVM65L0620B060075C	C57
6079267	EVM65L0620B075100C	C57
6079268	EVM65L0620B100180C	C57
6079269	EVM65L0620B180250C	C57
6079270	EVM65L0620B250350C	C57
6079271	EVM65L0620B350999C	C57
6079272	EVM65L0820B080180C	C57
6079273	EVM65L0820B180999C	C57
6079340	EVM50R0312B035040C	C55
6079411	EVM50R0312B040050C	C55
6079412	EVM50R0312B050060C	C55
6079413	EVM50R0312B060075C	C55
6079414	EVM50R0320B075100C	C55
6079415	EVM50R0320B100180C	C55
6079416	EVM50R0320B180250C	C55
6079417	EVM50R0320B250350C	C55
6079418	EVM50R0320B350999C	C55
6079420	EVM50L0312B035040C	C56
6079421	EVM50L0312B040050C	C56
6079422	EVM50L0312B050060C	C56
6079423	EVM50L0312B060075C	C56
6079424	EVM50L0320B075100C	C56
6079425	EVM50L0320B100180C	C56
6079426	EVM50L0320B180250C	C56
6079427	EVM50L0320B250350C	C56
6079428	EVM50L0320B350999C	C56
6079429	EVM50R0416B040050C	C55
6079430	EVM50R0416B050060C	C55
6079451	EVM50R0416B060075C	C55
6079452	EVM50R0416B075100C	C55
6079453	EVM50R0426B100180C	C55
6079454	EVM50R0426B180250C	C56
6079455	EVM50R0426B250350C	C56
6079456	EVM50R0426B350999C	C56
6079457	EVM50R0520B050060C	C56
6079458	EVM50R0520B060075C	C56
6079459	EVM50R0520B075100C	C56
6079460	EVM50R0520B100180C	C56
6079461	EVM50R0520B180250C	C56
6079462	EVM50R0520B250350C	C56
6079463	EVM50R0520B350999C	C56
6079464	EVM50L0416B040050C	C56
6079465	EVM50L0416B050060C	C56
6079466	EVM50L0416B060075C	C56
6079467	EVM50L0416B075100C	C56
6079468	EVM50L0426B100180C	C56
6079469	EVM50L0426B180250C	C56
6079470	EVM50L0426B250350C	C56
6079471	EVM50L0426B350999C	C57
6079472	EVM50L0520B050060C	C57
6079473	EVM50L0520B060075C	C57
6079474	EVM50L0520B075100C	C57
6079475	EVM50L0520B100180C	C57
6079476	EVM50L0520B180250C	C57
6079477	EVM50L0520B250350C	C57
6079478	EVM50L0520B350999C	C57
6079480	EVM50R0416A040050C	C52
6079481	EVM50R0416A050060C	C52
6079482	EVM50R0416A060075C	C52
6079483	EVM50R0416A075100C	C52
6079484	EVM50R0426A100180C	C52
6079485	EVM50R0426A180250C	C53
6079486	EVM50R0426A250350C	C53
6079487	EVM50R0426A350999C	C53
6079488	EVM50R0520A050060C	C53
6079489	EVM50R0520A060075C	C53
6079490	EVM50R0520A075100C	C53
6079491	EVM50R0520A100180C	C53
6079492	EVM50R0520A180250C	C53
6079493	EVM50R0520A250350C	C53
6079494	EVM50R0520A350999C	C53
6079495	EVM50L0416A040050C	C53
6079496	EVM50L0416A050060C	C53
6079497	EVM50L0416A060075C	C53
6079498	EVM50L0416A075100C	C53
6079499	EVM50L0426A100180C	C53
6079500	EVM50L0426A180250C	C53
6079501	EVM50L0426A250350C	C53
6079502	EVM50L0426A350999C	C54
6079503	EVM50L0520A050060C	C54
6079504	EVM50L0520A060075C	C54
6079505	EVM50L0520A075100C	C54
6079506	EVM50L0520A100180C	C54
6079507	EVM50L0520A180250C	C54
6079508	EVM50L0520A250350C	C54
6079509	EVM50L0520A350999C	C54
6079778	DFR125R2WB20M	J13
6079779	DFR127R2WB20M	J13
6079780	DFR130R2WB20M	J13
6079879	DFSP250R4WB25M	J34
6079880	DFSP255R4WB25M	J34–35
6079881	DFR135R2WB20M	J13
6079882	DFR140R2WB20M	J13
6079883	DFR145R2WB20M	J13
6079884	DFR150R2WB20M	J13
6079885	DFR155R2WB20M	J13
6079886	DFR160R2WB20M	J13
6079887	DFR165R2WB20M	J13
6079888	DFR170R2WB20M	J13
6079889	DFR125R3WB20M	J14
6079890	DFR127R3WB20M	J14
6079891	DFR130R3WB20M	J14
6079892	DFR135R3WB20M	J14
6079893	DFR140R3WB20M	J14
6079894	DFR145R3WB20M	J14
6079895	DFR150R3WB20M	J14
6079896	DFR155R3WB20M	J14
6079897	DFR160R3WB20M	J14
6079898	DFR165R3WB20M	J14
6079899	DFR170R3WB20M	J14
6079900	DFR125R4WB20M	J15
6079901	DFR127R4WB20M	J15
6079902	DFR130R4WB20M	J15
6079903	DFR135R4WB20M	J15
6079904	DFR140R4WB20M	J15
6079905	DFR145R4WB20M	J15
6079906	DFR150R4WB20M	J15
6079907	DFR155R4WB20M	J15
6079908	DFR160R4WB20M	J15
6079909	DFR165R4WB20M	J15
6079910	DFR170R4WB20M	J15
6079913	DFSP250R2WB25M	J30
6079914	DFSP255R2WB25M	J30–31
6079915	DFSP260R2WB32M	J30
6079916	DFSP264R2WB32M	J30
6079917	DFSP265R2WB32M	J30
6079918	DFSP270R2WB32M	J30
6079919	DFSP280R2WB32M	J30
6079920	DFSP290R2WB32M	J30
6079931	DFSP294R2WB32M	J30
6079932	DFSP300R2WB32M	J30
6079933	DFSP310R2WB40M	J30
6079934	DFSP320R2WB40M	J30–31
6079935	DFSP330R2WB40M	J31
6079936	DFSP340R2WB40M	J31
6079937	DFSP350R2WB40M	J31
6079938	DFSP360R2WB40M	J31
6079940	DFSP370R2WB40M	J31
6079941	DFSP380R2WB40M	J31
6079942	DFSP390R2WB40M	J31
6079943	DFSP400R2WB40M	J31
6079944	DFSP250R3WB25M	J32
6079945	DFSP255R3WB25M	J32–33
6079946	DFSP260R3WB32M	J32
6079947	DFSP264R3WB32M	J32
6079948	DFSP265R3WB32M	J32
6079949	DFSP270R3WB32M	J32
6079950	DFSP280R3WB32M	J32
6079961	DFSP290R3WB32M	J32
6079962	DFSP294R3WB32M	J33
6079963	DFSP300R3WB32M	J33
6079964	DFSP310R3WB40M	J33
6079965	DFSP320R3WB40M	J33
6079966	DFSP330R3WB40M	J33
6079967	DFSP340R3WB40M	J33
6079968	DFSP350R3WB40M	J33
6079969	DFSP360R3WB40M	J33
6079970	DFSP370R3WB40M	J33
6079971	DFSP380R3WB40M	J33
6079972	DFSP390R3WB40M	J33
6079973	DFSP400R3WB40M	J33
6079991	DFSP260R4WB32M	J34
6079992	DFSP264R4WB32M	J34
6079993	DFSP265R4WB32M	J34
6079994	DFSP270R4WB32M	J34
6079995	DFSP280R4WB32M	J34
6079996	DFSP290R4WB32M	J34
6079997	DFSP294R4WB32M	J35
6079998	DFSP300R4WB32M	J35
6079999	DFSP310R4WB40M	J35
6080000	DFSP320R4WB40M	J35
6080001	DFSP330R4WB40M	J35
6080002	DFSP340R4WB40M	J35
6080003	DFSP350R4WB40M	J35
6080004	DFSP360R4WB40M	J35
6080005	DFSP370R4WB40M	J35
6080006	DFSP380R4WB40M	J35
6080007	DFSP390R4WB40M	J35
6080008	DFSP400R4WB40M	J35
6080031	EVSBR2020K0312035040C	C43
6080033	EVSBR2020K0416040050C	C43
6080035	EVSBR2525M0516050060C	C43
6080037	EVSBL2020K0312035040C	C44
6080038	EVSBL2020K0416040050C	C44
6080039	EVSBL2525M0516050060C	C45
6080040	EVSBR2020K0416050060C	C43
6080051	EVSBL2020K0416050060C	C44
6080053	EVSBR2525M0320060075C	C43
6080054	EVSBL2525M0320060075C	C44
6080055	EVSBR2525M0320075100C	C43
6080056	EVSBL2525M0320075100C	C44
6080057	EVSBR2525M0320100180C	C43
6080059	EVSBL2525M0320100180C	C44
6080060	EVSBR2525M0320180250C	C43
6080061	EVSBL2525M0320180250C	C44
6080067	EVSBR2525M0312100180C	C43
6080068	EVSBL2525M0312100180C	C44
6080069	EVSBR2525M0312180250C	C43
6080070	EVSBL2525M0312180250C	C44
6080194	DFSP250R5WB25M	J36
6080195	DFSP255R5WB25M	J36–37
6080196	DFSP260R5WB32M	J36
6080197	DFSP264R5WB32M	J36
6080198	DFSP265R5WB32M	J36
6080199	DFSP270R5WB32M	J36
6080200	DFSP280R5WB32M	J36
6080391	DFSP290R5WB32M	J36
6080392	DFSP294R5WB32M	J37
6080393	DFSP300R5WB32M	J37
6080394	DFSP310R5WB40M	J37
6080395	DFSP320R5WB40M	J37
6080396	DFSP330R5WB40M	J37
6080397	DFSP340R5WB40M	J37
6080398	DFSP350R5WB40M	J37
6080399	DFSP360R5WB40M	J37
6080400	DFSP370R5WB40M	J37
6080411	DFSP380R5WB40M	J37
6080412	DFSP390R5WB40M	J37
6080413	DFSP400R5WB40M	J37
6082135	CNGN090408T02020 KBK45	B284
6082136	CNGN090412S02020 KBK45	B284
6082137	CNGN120408T02020 KBK45	B284
6082138	CNGN120412S02020 KBK45	B284
6082139	CNGN120416S02020 KBK45	B284
6082140	CNGX120408T02020 KBK45	B287
6082231	CNGX120412S02020 KBK45	B287
6082232	CNGX120416S02020 KBK45	B287
6082233	RNGN090400S02020 KBK45	B284
6082234	RNGN120400S02020 KBK45	B284
6082235	RNGX120400S02020 KBK45	B287
6082236	RCGN090400T01015 KBK45	B288
6082237	DNGN120408S02020 KBK45	B284
6082238	DNGN120412S02020 KBK45	B284
6082239	SNGN090408S01015WCB KBK45	B285
6082240	SNGN090408S01015WCC KBK45	B285
6082241	SCGN090408S01015WCB KBK45	B288
6082242	SCGN090408S01015WCC KBK45	B288
6082243	SNGN120408T02020 KBK45	B285
6082244	SNGN120412S02020 KBK45	B285
6082245	SNGN120416S02020 KBK45	B285
6082246	SNGX120408T02020 KBK45	B287
6082247	SNGX120412S02020 KBK45	B287
6082248	SNGX120416S02020 KBK45	B287
6082249	TNGN110416S02020 KBK45	B286
6082250	TNGN160416S02020 KBK45	B286
6082261	TNGX160416S02020 KBK45	B288
6083010	B269A02400KMG KCPK15	G68
6083071	B269A02500KMG KCPK15	G68
6083072	B269A02600KMG KCPK15	G68
6083073	B269A02800KMG KCPK15	G68
6083074	B269A02900KMG KCPK15	G68
6083075	B269A03400HP KCPK15	G68
6083076	B269A04100HP KCPK15	G68
6083077	B269A06400HP KCPK15	G69
6083078	B707A04200FBS KN15	G114
6083079	B707A04900FBS KN15	G114
6083097	VCGR160408 KCP25B	E34
6087904	5720VZ16HA025Z2R75	T89
6088510	TPUN220412 KCK15B	B171

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6088651	KCGR110308L08 KCM15B	E29
6088652	VCMR160404 KCM15B	E33
6088653	VCMR160408 KCM15B	E33
6091572	SALS063S	S126
6097181	EVM50R0312A035040C	C52
6097182	EVM50R0312A040050C	C52
6097183	EVM50R0312A050060C	C52
6097184	EVM50R0312A060075C	C52
6097185	EVM50R0320A075100C	C52
6097186	EVM50R0320A100180C	C52
6097187	EVM50R0320A180250C	C52
6097188	EVM50R0320A250350C	C52
6097189	EVM50R0320A350999C	C52
6097190	EVM50L0312A035040C	C53
6097191	EVM50L0312A040050C	C53
6097192	EVM50L0312A050060C	C53
6097193	EVM50L0312A060075C	C53
6097194	EVM50L0320A075100C	C53
6097195	EVM50L0320A100180C	C53
6097196	EVM50L0320A180250C	C53
6097197	EVM50L0320A250350C	C53
6097198	EVM50L0320A350999C	C53
6098863	B978F17500 KC7315	G149
6102279	LNPU221012PNSLHD2 KCPM40	S121, S123
6103457	TNMG160408MG KCP10B	B126
6104860	KSEM2835HPGM KCPM45	H46
6105048	TNMG160408CT KCPK05	B123
6105085	CPGH09T304 KCP25B	B188
6105089	CNMP160608 KCP25B	B56
6105091	CNMU120412RN KCP10B	B53
6105093	SPUN120312 KCP25B	B169
6105094	SPUN120308 KCP25B	B169
6105095	SPUN120304 KCP25B	B169
6105099	TPUN160304 KCP25B	B171
6105100	TPUN220408 KCP25B	B171
6105101	TPMR220408 KCP25B	B171
6105102	TPMR110308 KCP25B	B171
6105103	TPUN160308 KCP25B	B171
6105104	TPUN220412 KCP25B	B171
6108706	SNMG120416MG KCP25B	B99
6109122	SDCT120464ENLD2 KCSM40	T104, T111, U51
6109124	SDET120464SNGB KCSM40	T105, T112, U51
6109130	SDET120424ENGB KCSM40	T105, T112, U51
6109210	KTIP1595FEGM KCPM45	H29
6109265	SDET120424SNGB KCSM40	T105, T112, U51
6111468	OFKT06L5AFENGB KCPM40	S50
6111469	OFKT07L6AFENGB KCPM40	S55
6111470	OFKT07L6AFSNHB KCPM40	S55
6111671	SDET120412PDERGB KCPM40	T105, T112, U51
6111672	SDET120412PDERGB2 KCPM40	T104, T111, U52
6111673	SDET120420SNGB2 KCPM40	T104, T111, U52
6111674	SDET1204PDSRGB2 KCPM40	T104, T111, U52
6111676	SEKT1404AEENGP2 KCPM40	S42
6111677	SEKT1404AESNGP2 KCPM40	S42
6116297	A32SEVSAR0312M033042	C48
6116298	A32SEVSAL0312M033042	C48
6116299	A40TEVSAR0312M041050	C48
6116300	A40TEVSAL0312M041050	C48
6116521	A25REVSAR0212M026030	C48
6116522	A25REVSAR0312M030035	C48
6116527	A25REVSAL0212M026030	C48
6116528	A25REVSAL0312M030035	C48
6116561	EVSBR2020K0312040050C	C43
6116562	EVSBL2020K0312040050C	C44
6116563	EVSBR2020K0312050060C	C43
6116564	EVSBL2020K0312050060C	C44
6116567	EVSBR2020K0312060075C	C43
6116568	EVSBL2020K0312060075C	C44
6116569	EVSBR2020K0312075100C	C43
6116570	EVSBL2020K0312075100C	C44
6116571	EVSBR2020K0416060075C	C43
6116572	EVSBL2020K0416060075C	C44
6116573	EVSBR2020K0416075100C	C43
6116574	EVSBL2020K0416075100C	C44
6116575	EVSBR2525M0426060075C	C43
6116576	EVSBL2525M0426060075C	C44
6116577	EVSBR2525M0426075100C	C43
6116578	EVSBL2525M0426075100C	C44
6116579	EVSBR2525M0426100180C	C43
6116580	EVSBL2525M0426100180C	C45
6116581	EVSBR2525M0426180250C	C43
6116582	EVSBL2525M0426180250C	C45
6116587	EVSBR2525M0416100180C	C43
6116588	EVSBL2525M0416100180C	C44
6116589	EVSBR2525M0416180250C	C43
6116590	EVSBL2525M0416180250C	C44
6116789	EVM50R0312A075100C	C52
6116790	EVM50L0312A075100C	C53
6117023	KSEM3115HPGM KCPM45	H46
6117061	EVM50R0312B075100C	C55
6117062	EVM50L0312B075100C	C56
6117063	EVM50R0312A100180C	C52
6117064	EVM50L0312A100180C	C53
6117065	EVM50R0312B100180C	C55
6117066	EVM50L0312B100180C	C56
6117067	EVM50R0312A180250C	C52
6117068	EVM50L0312A180250C	C53
6117069	EVM50R0312B180250C	C55
6117070	EVM50L0312B180250C	C56
6117071	EVM50R0312A250350C	C52
6117072	EVM50L0312A250350C	C53
6117073	EVM50R0312B250350C	C55
6117074	EVM50L0312B250350C	C56
6117075	EVM50R0312A350999C	C52
6117076	EVM50L0312A350999C	C53
6117077	EVM50R0312B350999C	C55
6117078	EVM50L0312B350999C	C56
6117079	EVM50R0416A100180C	C52
6117080	EVM50L0416A100180C	C53
6117091	EVM50R0416B100180C	C55
6117092	EVM50L0416B100180C	C56
6117093	EVM50R0416A180250C	C52
6117094	EVM50L0416A180250C	C53
6117095	EVM50R0416B180250C	C55
6117096	EVM50L0416B180250C	C56
6117097	EVM50R0416A250350C	C52
6117098	EVM50L0416A250350C	C53
6117099	EVM50R0416B250350C	C55
6117100	EVM50L0416B250350C	C56
6117101	EVM50R0416A350999C	C52
6117102	EVM50L0416A350999C	C53
6117103	EVM50R0416B350999C	C55
6117104	EVM50L0416B350999C	C56
6117419	CNMU120616MN KCP25B	B51
6117573	DNMM150612RP KCP10B	B83
6123362	KSEM3450FEGM KCPM45	H54
6123525	KTIP080R12SS10M	H31
6123526	KTIP085R12SS10M	H31
6123527	KTIP090R12SS10M	H31
6123528	KTIP095R12SS10M	H31
6123529	KTIP100R12SS12M	H31
6123530	KTIP105R12SS12M	H31
6123570	WD32FDS28076M	H102
6123571	WD32FDS32082M	H102
6123572	WD32FDS36092M	H102
6123573	WD50FDS40100M	H102
6123575	WD50FDS45112M	H102
6123576	WD50FDS50122M	H102
6123577	WD50FDS56140M	H102
6123578	WD50FDS63154M	H102
6123579	WD50FDS71172M	H102
6123580	WD50FDS80192M	H102
6123581	WD50FDS90212M	H102
6123601	KTIP110R12SS12M	H31
6123602	KTIP115R12SS12M	H31
6123603	KTIP120R12SS14M	H31
6123604	KTIP125R12SS14M	H31
6123605	KTIP130R12SS14M	H31
6123607	KTIP135R12SS14M	H31
6123608	KTIP140R12SS16M	H31
6123609	KTIP145R12SS16M	H31
6123610	KTIP150R12SS16M	H31
6123611	KTIP160R12SS18M	H31
6123612	KTIP170R12SS18M	H31
6123613	KTIP180R12SS20M	H31
6123614	KTIP190R12SS20M	H31
6123615	KTIP200R12SS25M	H31
6123616	KTIP210R12SS25M	H31
6123617	KTIP220R12SS25M	H31
6123618	KTIP230R12SS25M	H31
6123619	KTIP240R12SS25M	H31
6123620	KTIP250R12SS32M	H31
6123621	KTIP260R12SS32M	H31
6123622	KTIP270R12SS32M	H31
6123704	KSEM321R3WD40M	H60
6123705	KSEM330R3WD40M	H60
6123706	KSEM340R3WD40M	H60
6123707	KSEM350R3WD40M	H60
6123708	KSEM360R3WD40M	H60
6123709	KSEM361R3WD40M	H60
6123710	KSEM370R3WD40M	H60
6123741	KSEM380R3WD40M	H60
6123742	KSEM390R3WD40M	H60
6123743	KSEM400R3WD40M	H60
6123744	KSEM321R5WD40M	H60
6123745	KSEM330R5WD40M	H60
6123746	KSEM340R5WD40M	H60
6123747	KSEM350R5WD40M	H60
6123748	KSEM360R5WD40M	H60
6123749	KSEM361R5WD40M	H60
6123750	KSEM370R5WD40M	H60
6123751	KSEM380R5WD40M	H60
6123752	KSEM390R5WD40M	H60
6123753	KSEM400R5WD40M	H60
6124198	EVSBR2525M0526050060C	C44
6124199	EVSBL2525M0526050060C	C45
6124200	EVSBR2525M0516060075C	C43
6124211	EVSBL2525M0516060075C	C45
6124212	EVSBR2525M0526060075C	C44
6124213	EVSBL2525M0526060075C	C45
6124214	EVSBR2525M0516075100C	C44
6124215	EVSBL2525M0516075100C	C45
6124216	EVSBR2525M0526075100C	C44
6124217	EVSBL2525M0526075100C	C45
6124218	EVSBR2525M0516100180C	C44
6124219	EVSBL2525M0516100180C	C45
6124222	EVSBR2525M0516180250C	C44
6124223	EVSBL2525M0516180250C	C45
6124226	EVSBR2525M0516250350C	C44
6124227	EVSBL2525M0516250350C	C45
6124230	EVSBR2525M0516350999C	C44
6124232	EVSBL2525M0516350999C	C45
6124235	EVSBR3232P0532100180C	C44
6124236	EVSBL3232P0532100180C	C45
6124237	EVSBR3232P0532180250C	C44
6124238	EVSBL3232P0532180250C	C45
6124239	EVSBR3232P0532250350C	C44
6124240	EVSBL3232P0532250350C	C45
6124241	EVSBR3232P0532350999C	C44
6124242	EVSBL3232P0532350999C	C45
6124605	EVSBR2525M0616060075C	C44
6124606	EVSBL2525M0616060075C	C45
6124607	EVSBR2525M0626060075C	C44
6124608	EVSBL2525M0626060075C	C45
6124609	EVSBR2525M0616075100C	C44
6124610	EVSBL2525M0616075100C	C45
6124671	EVSBR2525M0626075100C	C44
6124672	EVSBL2525M0626075100C	C45
6124673	EVSBR2525M0616100180C	C44
6124674	EVSBL2525M0616100180C	C45
6124677	EVSBR2525M0616180250C	C44
6124678	EVSBL2525M0616180250C	C45
6124681	EVSBR2525M0616250350C	C44
6124682	EVSBL2525M0616250350C	C45
6124685	EVSBR2525M0616350999C	C44
6124686	EVSBL2525M0616350999C	C45
6124689	EVSBR3232P0632100180C	C44
6124690	EVSBL3232P0632100180C	C45
6124691	EVSBR3232P0632180250C	C44
6124692	EVSBL3232P0632180250C	C45
6124693	EVSBR3232P0632250350C	C44
6124694	EVSBL3232P0632250350C	C45
6124695	EVSBR3232P0632350999C	C44
6124696	EVSBL3232P0632350999C	C45
6125373	B271Z15300HPG KCPK20	G75
6126887	RQBB1000X4CN KCPM15	O36
6126888	RQBB1200X4CN KCPM15	O36
6126889	RQBB1600X4CN KCPM15	O36
6126890	RQBB2000X4CN KCPM15	O36
6126911	RQBB2500X4CN KCPM15	O36
6126912	RKDF1000X4CQE KCSM15	O35
6126913	RKDF1200X4CQF KCSM15	O35
6126914	RKDF1600X6CQF KCSM15	O35
6126915	RKDF2000X6CQF KCSM15	O35
6126916	RKDF2500X6CQF KCSM15	O35
6127040	FSDE1000X9CQE KC643M	O43
6127071	FSDE1000X9CQG KC643M	O43
6127072	FSDE1000X9CQJ KC643M	O43
6127073	FSDE1200X9CQE KC643M	O43
6127074	FSDE1200X9CQG KC643M	O43
6127075	FSDE1200X9CQJ KC643M	O43
6127076	FSDE1200X9CQL KC643M	O43
6127077	FSDE1600XBCQG KC643M	O43
6127078	FSDE1600XBCQJ KC643M	O43
6127079	FSDE1600XBCQK KC643M	O43
6127080	FSDE1600XBCQL KC643M	O43
6127081	FSDE1600XBCQM KC643M	O43
6127082	FSDE2000XFCQG KC643M	O43
6127083	FSDE2000XFCQK KC643M	O43
6127084	FSDE2000XFCQL KC643M	O43
6127085	FSDE2000XFCQM KC643M	O43
6127086	FSDE2000XFCQN KC643M	O43
6127087	FSDE2500XJCQL KC643M	O43
6127088	FSDE2500XJCQN KC643M	O43
6127198	FMDF1000X6CQE KCPM15	O42
6127199	FMDF1200X6CQF KCPM15	O42
6127200	FMDF1600X6CQF KCPM15	O42
6127286	RQDB1000X4CV KCPM15	O34
6127287	RQDB1200X4CV KCPM15	O34
6127288	RQDB1600X4CV KCPM15	O34
6127289	RQDB2000X4CV KCPM15	O34
6127290	RQDB2500X5CV KCPM15	O34
6127311	FMDF2000X6CQF KCPM15	O42
6127312	FMDF2500X6CQF KCPM15	O42
6127382	XRDA1000X4CHJ KCPM15	O49
6127383	XRDA1000X4CRM KCPM15	O49
6127384	XRDA1200X5CRG KCPM15	O49
6127385	XRDA1200X5CRK KCPM15	O49
6127386	XRDA1200X5CRM KCPM15	O49
6127387	XRDA1600X6CRK KCPM15	O49
6127388	XRDA1600X6CRM KCPM15	O49
6127389	XRDA1600X6CRN KCPM15	O49
6127404	XADA1000X4CH45 KCPM15	O48
6127405	XADA1200X5CH45 KCPM15	O48
6127406	XADA1600X6CH45 KCPM15	O48
6127885	EDPT10T304PDSRGE KCPM40	T36
6127886	EDPT10T308PDSRGE KCPM40	T36
6127887	EDPT10T312PDERHD KCPM40	T36
6127888	EDPT10T316PDERHD KCPM40	T36
6127889	EDPT10T320PDERHD KCPM40	T36
6128132	EDPT140404PDERHD KCPM40	T53, T62
6128133	EDPT140408PDSRGD KCPM40	T54, T63
6128134	EDPT140416PDERHD KCPM40	T53, T62
6128135	EDPT140416PDSRGD KCPM40	T54, T63
6128136	EDPT140424PDERHD KCPM40	T53, T62
6128137	EDCT180504PDERGD KCPM40	T74
6128138	EDCT180508PDERGD KCPM40	T74
6128139	EDCT180512PDERGD KCPM40	T74
6128780	KTIP1770FEGM KCPM45	H29
6130644	SEPT1404AEENGB2 KCPM40	S43
6130645	SEPT1404AESNGB2 KCPM40	S43
6130740	UADE0400A4BV KCPM15	P17
6130871	UADE0400B4BV KCPM15	P17
6130874	UADE0500A4BV KCPM15	P17
6130875	UADE0500B4BV KCPM15	P17
6130878	UADE1400A4BV KCPM15	P17

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6130879	UADE1400B4BV KCPM15	P17
6131423	LNGU110412SRGEM KCK15	T9
6131424	LNGU110412SRGEM KCPK30	T9
6131425	LNGU110412SRGEM KC520M	T9
6131426	LNGU110412SRGEM KCPM40	T9
6131428	LNPU110412SRGE KC522M	T9
6131429	LNPU110412SRGE KCPM40	T9
6131430	LNPU110412SRGE KC725M	T9
6131502	LNPU110408SRGE KC522M	T9
6131503	LNPU110408SRGE KCPM40	T9
6131504	LNPU110408SRGE KC725M	T9
6131505	LNPU110408SRGE KCPK30	T9
6131506	LNPU110408SRGE KC520M	T9
6131507	LNPU110408SRGE KCK15	T9
6131511	LNPU110412SRGE KCPK30	T9
6131512	LNPU110412SRGE KC520M	T9
6131513	LNPU110412SRGE KCK15	T9
6131514	LNGU110404ERGE KC725M	T8
6131515	LNGU110404ERGE KC522M	T8
6131516	LNGU110404ERGE KCPM40	T8
6131541	LNGU110408ERGE KC725M	T8
6131542	LNGU110408ERGE KC522M	T8
6131543	LNGU110408ERGE KCPM40	T8
6131544	LNGU110408ERGE KCSM30	T8
6131556	LNGU110408ERLEJ KC422M	T8
6131557	LNPU110416SRGE KC522M	T9
6131558	LNPU110416SRGE KCPM40	T9
6131559	LNPU110416SRGE KC725M	T9
6131560	LNPU110416SRGE KCPK30	T9
6131601	LNPU110416SRGE KC520M	T9
6131602	LNGU110408SRGEM KCK15	T9
6131603	LNGU110408SRGEM KCPK30	T9
6131604	LNGU110408SRGEM KC520M	T9
6131605	LNGU110408SRGEM KC522M	T9
6131606	LNGU110408SRGEM KCPM40	T9
6131627	M4D016Z02A16LN11L090	T6, T11
6131628	M4D016Z02B16LN11	T5
6131629	M4D020Z02A20LN11L150	T6
6131630	M4D020Z02B20LN11	T5, T11
6131681	M4D020Z03A20LN11L090	T6, T11
6131682	M4D020Z03M10LN11	T4
6131683	M4D025Z03A25LN11L170	T6
6131684	M4D025Z03B25LN11	T5, T11
6131685	M4D025Z04A25LN11L100	T6, T11
6131686	M4D025Z04M12LN11	T4
6132022	LNGU110408SRGE KC522M	T9
6132023	LNGU110408SRGE KCPM40	T9
6132024	LNGU110408SRGE KC725M	T9
6132025	LNGU110408SRGE KCPK30	T9
6132026	LNGU110408SRGE KCK15	T9
6132452	KSEM3750SPLM KCMS35	H53
6133107	B976F15400 KC7315	G145
6133656	KSEM2950SPLM KCMS35	H53
6134054	MILL16D080Z080N08W	S32
6134055	MILL16D100Z100N08W	S32
6134056	MILL16D125Z140N08W	S32
6134057	MILL16D160Z160N08W	S32
6134058	MILL16D200Z200N08W	S32
6134059	MILL16D250Z240N08W	S32
6134184	M4D032Z04A32LN11L200	T6
6134185	M4D032Z04B32LN11	T5, T11
6134186	M4D032Z05A32LN11L110	T6, T11
6134187	M4D032Z06M16LN11	T4
6134188	M4D040Z04S16LN11	T7, T11
6134189	M4D040Z06S16LN11	T7, T11
6134190	M4D050Z05S22LN11	T7, T11
6134231	M4D050Z07S22LN11	T7, T11
6134232	M4D063Z06S22LN11	T7
6134233	M4D063Z09S22LN11	T7, T11
6134234	M4D080Z08S27LN11	T7
6134889	SS10SLDL10055M	056
6134890	SS10DL10100M	057
6135041	SS12SLDL10065M	056
6135042	SS12DL10120M	057
6135043	SS12SLDL12065M	056
6135044	SS12DL12120M	057
6135045	SS16SLDL10090M	056
6135046	SS16DL10160M	057
6135047	SS16SLDL12080M	056
6135048	SS16DL12160M	057
6135049	SS16SLDL16070M	056
6135050	SS16DL16160M	057
6135051	SS20SLDL10115M	056
6135052	SS20DL10200M	057
6135053	SS20SLDL12105M	056
6135054	SS20DL12200M	057
6135055	SS20SLDL16080M	056
6135056	SS20DL16200M	057
6135057	SS20SLDL20080M	056
6135058	SS20DL20200M	057
6135059	SS25SLDL16115M	056
6135060	SS25DL16250M	057
6135061	SS25SLDL20095M	056
6135062	SS25DL20250M	057
6135063	SS25SLDL25090M	056
6135064	SS25DL25250M	057
6135065	SS32SLDL25105M	056
6135066	SS32DL25250M	057
6135067	SS32SLDL32105M	056
6135068	SS32DL32250M	057
6135069	SS40SLDL32140M	056
6135070	SS40DL32250M	057
6135081	SS50SLDL32200M	056
6135082	SS50DL32250M	057
6135413	TWDLTM	058
6135414	TWTMINSERTDL10	058
6135415	TWTMINSERTDL12	058
6135416	TWTMINSERTDL16	058
6135417	TWTMINSERTDL20	058
6135418	TWTMINSERTDL25	058
6135419	TWTMINSERTDL32	058
6135420	TWTMINSERTDL10W	058
6135421	TWTMINSERTDL12W	058
6135422	TWTMEXT	058
6135423	TWTMBC	058
6136737	M4D016Z02A16LN11L150	T6
6136738	M4D016Z02M08LN11	T4
6136739	M4D020Z03A20LN11L150	T6
6136740	M4D020Z03B20LN11	T5
6136780	TCMT16T312LF KCP10B	B244
6136791	M4D025Z04A25LN11L170	T6
6136792	M4D032Z05A32LN11L200	T6
6136793	M4D032Z05M16LN11	T4
6136794	M4D040Z05A32LN11L200	T6
6136795	M4D040Z05B32LN11	T5
6136796	M4D040Z07S16LN11	T7
6136797	M4D050Z09S22LN11	T7
6136798	M4D080Z10S27LN11	T7
6136949	HSK63ADL10048M	052
6136950	HSK63ADL12052M	052
6136951	HSK63ADL16057M	052
6136952	HSK63ADL20057M	052
6136953	HSK63ADL25061M	052
6136954	HSK63ADL32072M	052
6136955	PSC63DL10050M	052
6136956	PSC63DL12050M	052
6136957	PSC63DL16055M	052
6136958	PSC63DL20055M	052
6136959	PSC63DL25060M	052
6136960	PSC63DL32068M	052
6136971	CV40BDL10041M	053
6136972	CV40BDL12041M	053
6136973	CV40BDL16050M	053
6136974	CV40BDL20050M	053
6136975	CV40BDL25056M	053
6136976	CV40BDL32065M	053
6136977	BT40BDL10049M	053
6136978	BT40BDL12049M	053
6136979	BT40BDL16058M	053
6136980	BT40BDL20058M	053
6136991	BT40BDL25060M	053
6136992	BT40BDL32068M	053
6136993	DV40BDL10041M	054
6136994	DV40BDL12041M	054
6136995	DV40BDL16050M	054
6136996	DV40BDL20050M	054
6136997	DV40BDL25056M	054
6136998	DV40BDL32065M	054
6137128	DNMG110408FP KCPK05	B77
6137163	DNMG110404FP KCPK05	B77
6140064	HNEC0905ANSN KY3500	S24
6143985	3CH0300MX019A KC633M	Q20
6143986	3CH0400MX019A KC633M	Q20
6143987	3CH0500MX020A KC633M	Q20
6143988	3CH0600MX028A KC633M	Q20
6143989	3CH0800MX028A KC633M	Q20
6143990	3CH1000MX032A KC633M	Q20
6144061	3CH1200MX045A KC633M	Q20
6144062	3CH1600MX056A KC633M	Q20
6144063	3CH2000MX064A KC633M	Q20
6144064	3CH0300MX019B KC633M	Q20
6144066	3CH0500MX020B KC633M	Q20
6144067	3CH0600MX028B KC633M	Q20
6144068	3CH0800MX028B KC633M	Q20
6144069	3CH1000MX032B KC633M	Q20
6144070	3CH1200MX045B KC633M	Q20
6144071	3CH1600MX056B KC633M	Q20
6144072	3CH2000MX064B KC633M	Q20
6145374	1-16NPTF-JIC	C75
6145375	1-8NPTF-JIC	C75
6145376	G18-JIC	C75
6145377	M10-JIC	C75
6145378	M8-JIC	C75
6145379	JICM-JICF-ELB	C75
6145380	COOL-HOSE-200	C75
6145381	COOL-HOSE-300	C75
6145382	M6-JIC	C75
6145383	JICM-JICM-STR	C75
6145386	G14-G18-RED	C75
6146871	3CH0250DK003A KC633M	Q18
6146872	3CH0300DK004A KC633M	Q18
6146874	3CH0350DK004A KC633M	Q18
6146875	3CH0400DK005A KC633M	Q18
6146876	3CH0450DK005A KC633M	Q18
6146877	3CH0500DK006A KC633M	Q18
6146878	3CH0550DK007A KC633M	Q18
6146879	3CH0600DK007A KC633M	Q18
6146880	3CH0700DK008A KC633M	Q18
6146881	3CH0800DK009A KC633M	Q18
6146882	3CH1000DK011A KC633M	Q18
6146883	3CH1200DK012A KC633M	Q18
6146884	3CH1400DK014A KC633M	Q19
6146885	3CH1600DK016A KC633M	Q19
6146886	3CH1800DK018A KC633M	Q19
6146888	3CH2000DK020A KC633M	Q19
6146890	3CH0250DK003B KC633M	Q18
6146891	3CH0300DK004B KC633M	Q18
6146892	3CH0350DK004B KC633M	Q18
6146893	3CH0400DK005B KC633M	Q18
6146894	3CH0450DK005B KC633M	Q18
6146895	3CH0500DK006B KC633M	Q18
6146896	3CH0550DK007B KC633M	Q18
6146897	3CH0600DK007B KC633M	Q18
6146898	3CH0700DK008B KC633M	Q18
6146899	3CH0800DK009B KC633M	Q18
6146900	3CH1000DK011B KC633M	Q18
6146901	3CH1200DK012B KC633M	Q18
6146902	3CH1400DK014B KC633M	Q19
6146903	3CH1600DK016B KC633M	Q19
6146904	3CH1800DK018B KC633M	Q19
6146905	3CH2000DK020B KC633M	Q19
6146906	3CH0100MS004A KC633M	Q20
6146907	3CH0150MS004A KC633M	Q20
6146908	3CH0200MS006A KC633M	Q20
6146909	3CH0250MS006A KC633M	Q20
6146910	3CH0300MS009A KC633M	Q20
6146911	3CH0400MS012A KC633M	Q20
6146913	3CH0600MS016A KC633M	Q20
6146914	3CH0800MS019A KC633M	Q20
6146915	3CH1000MS022A KC633M	Q20
6146916	3CH1200MS025A KC633M	Q20
6146917	3CH1600MS032A KC633M	Q20
6146935	3CH0600MS016B KC633M	Q20
6146937	3CH1000MS022B KC633M	Q20
6146938	3CH1200MS025B KC633M	Q20
6146939	3CH1600MS032B KC633M	Q20
6146940	3CH0200DL006A KC633M	Q18
6146941	3CH0250DL007A KC633M	Q18
6146942	3CH0300DL007A KC633M	Q18
6146943	3CH0350DL007A KC633M	Q18
6146944	3CH0400DL008A KC633M	Q18
6146945	3CH0450DL008A KC633M	Q18
6146946	3CH0500DL010A KC633M	Q18
6146947	3CH0550DL010A KC633M	Q18
6146948	3CH0600DL010A KC633M	Q18
6146949	3CH0700DL013A KC633M	Q18
6146950	3CH0800DL016A KC633M	Q18
6146951	3CH1000DL019A KC633M	Q18
6146952	3CH1200DL022A KC633M	Q19
6146953	3CH1400DL022A KC633M	Q19
6146954	3CH1600DL026A KC633M	Q19
6146955	3CH1800DL026A KC633M	Q19
6146956	3CH2000DL032A KC633M	Q19
6146957	3CH0200DL006B KC633M	Q18
6146958	3CH0250DL007B KC633M	Q18
6146959	3CH0300DL007B KC633M	Q18
6146960	3CH0350DL007B KC633M	Q18
6146961	3CH0400DL008B KC633M	Q18
6146962	3CH0450DL008B KC633M	Q18
6146963	3CH0500DL010B KC633M	Q18
6146964	3CH0550DL010B KC633M	Q18
6146965	3CH0600DL010B KC633M	Q18
6146966	3CH0700DL013B KC633M	Q18
6146967	3CH0800DL016B KC633M	Q18
6146968	3CH1000DL019B KC633M	Q18
6146969	3CH1200DL022B KC633M	Q19
6146970	3CH1400DL022B KC633M	Q19
6146971	3CH1600DL026B KC633M	Q19
6146972	3CH1800DL026B KC633M	Q19
6146973	3CH2000DL032B KC633M	Q19
6151025	ABDE1000X3CQE K600	029
6151026	ABDE1000X3CQG K600	029
6151027	ABDE1000X3CQJ K600	029
6151028	ABDE1200X3CQE K600	029
6151029	ABDE1200X3CQG K600	029
6151030	ABDE1200X3CQJ K600	029
6151031	ABDE1200X3CQL K600	029
6151032	ABDE1600X3CQG K600	029
6151033	ABDE1600X3CQJ K600	029
6151034	ABDE1600X3CQK K600	029
6151035	ABDE1600X3CQL K600	029
6151036	ABDE1600X3CQM K600	029
6151037	ABDE2000X3CQG K600	029
6151038	ABDE2000X3CQK K600	029
6151039	ABDE2000X3CQL K600	029
6151040	ABDE2000X3CQM K600	029
6151042	ABDE2000X3CQN K600	029
6151043	ABDE2500X3CQL K600	029
6151044	ABDE2500X3CQN K600	029
6151062	ABDF1000X2CU K600	028
6151063	ABDF1200X2CU K600	028
6151064	ABDF1600X2CU K600	028
6151066	ABDF2000X2CU K600	028
6151491	VDIB1M302040C	C67
6151492	VDIB1M402544C	C67
6151493	VDIB2M302040C	C67
6151494	VDIB2M402544C	C67
6151495	VDIB3M302040C	C68
6151497	VDIB3M402544C	C68
6151498	VDIB4M302040C	C68
6151499	VDIB4M402544C	C68
6151500	VDIB5M302040C	C69
6151511	VDIB5M402544C	C69
6151512	VDIB6M302040C	C69
6151513	VDIB6M402544C	C69
6151514	VDIC1M302070C	C70
6151515	VDIC1M402585C	C70
6151516	VDIC2M302070C	C70
6151517	VDIC2M402585C	C70
6151518	VDIC3M302070C	C71
6151519	VDIC3M402585C	C71
6151520	VDIC4M302070C	C71
6151521	VDIC4M402585C	C71
6151522	CNMG120402LF KCP25B	B50
6151523	CNMG120404LF KCP25B	B50
6151524	CNMG120408LF KCP25B	B50
6151525	CNMG160612MG KCP25B	B57
6151527	CNMG190612MG KCP25B	B57
6151528	CNMM120408MR KCP25B	B54
6151529	CNMM160612MR KCP25B	B54
6151530	CNMM160616MR KCP25B	B54
6151562	DNMP110408K KCP25B	B83
6151565	VNMG160408LF KCP25B	B144
6151567	RCMH190600K KCP10B	B223
6152227	MILL16D315Z440N08WSC	S33
6152228	MILL16D355Z480N08WSC	S33
6152229	MILL16D400Z560N08WSC	S33
6152230	MILL16D500Z700N08WSC	S33

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6152251	D315CFA	S33
6152252	D355CFA	S33
6152253	D400CFA	S33
6152254	D500CFA	S33
6159024	MILL16D050Z040N08SC	S34
6159025	MILL16D063Z040N08SC	S34
6159026	MILL16D063Z050N08SC	S34
6159027	MILL16D080Z050N08SC	S34
6159028	MILL16D080Z070N08SC	S34
6159029	MILL16D100Z060N08SC	S34
6159030	MILL16D100Z080N08SC	S34
6159061	MILL16D125Z080N08SC	S34
6159062	MILL16D125Z100N08SC	S34
6159063	MILL16D160Z100N08SC	S34
6159064	MILL16D160Z120N08SC	S34
6159065	MILL16D200Z100N08SC	S34
6159066	MILL16D200Z140N08SC	S34
6159067	MILL16D250Z120N08SC	S34
6159068	MILL16D250Z160N08SC	S34
6160117	5720VZ16HA050Z4R75	T89
6162808	EDPT180516PDERHD KCPM40	T75
6162809	EDPT180532PDERHD KCPM40	T75
6162869	KSEM1830SPLM KCMS35	H52
6162870	KSEM2024SPLM KCMS35	H52
6163121	KSEM2250SPLM KCMS35	H52
6163122	KSEM2350SPLM KCMS35	H52
6163123	KSEM2450SPLM KCMS35	H52
6163124	KSEM2525SPLM KCMS35	H52
6163125	KSEM2530SPLM KCMS35	H52
6163126	KSEM2550SPLM KCMS35	H52
6163127	KSEM2630SPLM KCMS35	H52
6163128	KSEM2650SPLM KCMS35	H52
6163129	KSEM2659SPLM KCMS35	H52
6163130	KSEM2750SPLM KCMS35	H52
6163131	KSEM2800SPLM KCMS35	H52
6163132	KSEM2850SPLM KCMS35	H52
6163133	KSEM2900SPLM KCMS35	H53
6163134	KSEM3050SPLM KCMS35	H53
6163135	KSEM3100SPLM KCMS35	H53
6163136	KSEM3150SPLM KCMS35	H53
6163137	KSEM3250SPLM KCMS35	H53
6163138	KSEM3350SPLM KCMS35	H53
6163139	KSEM3400SPLM KCMS35	H53
6163141	KSEM3450SPLM KCMS35	H53
6163142	KSEM3500SPLM KCMS35	H53
6163143	KSEM3550SPLM KCMS35	H53
6163144	KSEM3600SPLM KCMS35	H53
6163145	KSEM3650SPLM KCMS35	H53
6163146	KSEM3700SPLM KCMS35	H53
6163147	KSEM3800SPLM KCMS35	H53
6163148	KSEM3850SPLM KCMS35	H53
6163149	KSEM3900SPLM KCMS35	H53
6163150	KSEM3950SPLM KCMS35	H53
6163300	KTIP0913FEGM KCPM45	H29
6163381	KTIP1010FEGM KCPM45	H29
6163382	KTIP1170FEGM KCPM45	H29
6163383	KSEM1984FEGM KCPM45	H54
6163384	KSEM2580FEGM KCPM45	H54
6163385	KSEM2581FEGM KCPM45	H54
6163386	KSEM2619FEGM KCPM45	H54
6163387	KSEM3050FEGM KCPM45	H54
6163388	KSEM3150FEGM KCPM45	H54
6163389	KSEM3250FEGM KCPM45	H54
6163390	KSEM3350FEGM KCPM45	H54
6163411	KSEM3550FEGM KCPM45	H54
6163412	KSEM3650FEGM KCPM45	H55
6163413	KSEM3750FEGM KCPM45	H55
6163414	KSEM3850FEGM KCPM45	H55
6163415	KSEM3950FEGM KCPM45	H55
6163504	KSEM2360HPGM KCPM45	H45
6163505	KSEM1965HPGM KCPM45	H45
6165212	B978F17000 KC7315	G149
6165214	B978F20000 KC7315	G149
6165350	RNGJ10T3M0ELDJ KCSM40	V50
6165392	RNGJ1204M0SGDJ KCSM40	V57
6165393	RNPJ1605M0SGD KCSM40	V61
6165397	LNGU110408SRGE KCSM40	T9
6165400	LNGU15T608SRGE KCSM40	T19
6165421	LNGU15T612SRGE KCSM40	T19
6165422	LNGU15T608ERGE KCSM40	T18
6165423	LNGU15T612ERGE KCSM40	T18
6165759	HNPJ0604ANSNGD KCSM40	S7, S13, S16
6165760	HNPJ0604ANSNHD KCSM40	S7, S13, S16
6165861	HNPJ060432ANSNHD KCSM40	S7, S13, S16
6165862	HNGJ0604ANENLD KCSM40	S6, S12, S15
6165863	XNGJ0604ANENLD3W KCSM40	S12
6165864	HNGJ0604ANSNHD KCSM40	S7, S12, S16
6167618	FSDE1000A9BCE KC643M	P92
6167619	FSDE1000A9BCG KC643M	P92
6167620	FSDE1200A9BCE KC643M	P92
6167621	FSDE1200A9BCG KC643M	P92
6167622	FSDE1200A9BCL KC643M	P92
6167623	FSDE1600ABBCG KC643M	P92
6167624	FSDE1600ABBCL KC643M	P92
6167625	FSDE1600ABBCM KC643M	P92
6167626	FSDE1600ABBCP KC643M	P92
6167627	FSDE2000AFBCG KC643M	P92
6167628	FSDE2000AFBCK KC643M	P92
6167629	FSDE2000AFBCL KC643M	P92
6167630	FSDE2000AFBCN KC643M	P92
6167631	FSDE2000AFBCP KC643M	P92
6167633	FSDE2500AJBCG KC643M	P92
6167634	FSDE2500AJBCL KC643M	P92
6167635	FSDE2500AJBCP KC643M	P92
6168013	SDCT1204PDERLD2 KCSM40	T104, T111, U51
6168014	SDCT120412PDERLD2 KCSM40	T104, T111, U51
6168015	SDET120412PDERGB KCSM40	T105, T112, U51
6168016	SDCT120416ENLD2 KCSM40	T104, T111, U51
6168017	SDCT120432ENLD2 KCSM40	T104, T111, U51
6168018	SDET1204PDERGB2 KCSM40	T104, T111, U52
6168019	SDET120464ENGB KCSM40	T105, T112, U51
6168020	SDET120448SNGB KCSM40	T105, T112, U51
6168101	SDET120448ENGB KCSM40	T105, T112, U51
6168102	SDET120432SNGB KCSM40	T105, T112, U51
6168103	SDET120432ENGB KCSM40	T105, T112, U51
6168104	SDET120416SNGB KCSM40	T105, T112, U51
6168105	SDET120416ENGB KCSM40	T105, T112, U51
6168106	SDET120412PDSRGB KCSM40	T105, T112, U51
6171518	EDCT140408PDERGD KCSM40	T52, T61
6171519	EDCT140412PDERGD KCSM40	T52, T61
6171520	EDCT140416PDERGD KCSM40	T52, T61
6171591	EDCT140431PDERGD KCSM40	T52, T61
6172122	EDPT140408PDERHD KCSM40	T53, T62
6172123	EDPT140412PDERHD KCSM40	T53, T62
6172124	EDPT140416PDERHD KCSM40	T53, T62
6172125	EDPT140420PDERHD KCSM40	T53, T62
6172126	EDPT140424PDERHD KCSM40	T53, T62
6172127	EDPT140431PDERHD KCSM40	T53, T62
6172128	EDPT140440PDERHD KCSM40	T53, T62
6172129	EDPT140408PDSRGD KCSM40	T54, T63
6172130	EDPT140412PDSRGD KCSM40	T54, T63
6172191	EDPT140416PDSRGD KCSM40	T54, T63
6172192	EDPT140408PDSRGE KCSM40	T53, T62
6172193	EDPT140412PDSRGE KCSM40	T53, T62
6172194	EDPT140416PDSRGE KCSM40	T53, T62
6172195	EDPT140431PDSRGE KCSM40	T53, T62
6172348	EDPT180508PDSRGD KCSM40	T75
6172349	EDPT180512PDSRGD KCSM40	T75
6172350	EDPT180516PDSRGD KCSM40	T75
6172391	EDPT180532PDSRGD KCSM40	T75
6172392	EDPT180548PDSRGD KCSM40	T75
6172393	EDPT180564PDSRGD KCSM40	T75
6172394	EDPT180508PDSRGE KCSM40	T75
6172395	EDPT180512PDSRGE KCSM40	T75
6172396	EDPT180516PDSRGE KCSM40	T75
6172397	EDPT180532PDSRGE KCSM40	T75
6172398	EDPT180508PDERGD KCSM40	T74
6172399	EDPT180516PDERGD KCSM40	T74
6172400	EDPT180532PDERGD KCSM40	T74
6172411	EDPT180548PDERGD KCSM40	T74
6172412	EDPT180564PDERGD KCSM40	T74
6172413	EDPT180508PDERHD KCSM40	T75
6172414	EDPT180512PDERHD KCSM40	T75
6172415	EDPT180516PDERHD KCSM40	T75
6172416	EDPT180532PDERHD KCSM40	T75
6172417	EDPT180540PDERHD KCSM40	T75
6172418	EDPT180548PDERHD KCSM40	T75
6172513	B967A03000 KC7315	G132
6172514	B967A03100 KC7315	G132
6172515	B967A03200 KC7315	G132
6172516	B967A03300 KC7315	G132
6172517	B967A03500 KC7315	G132
6172518	B967A03800 KC7315	G132
6172519	B967A04000 KC7315	G132
6172520	B967A04200 KC7315	G132
6172531	B967A04300 KC7315	G132
6172532	B967A04500 KC7315	G132
6172533	B967A04800 KC7315	G132
6172534	B967A05100 KC7315	G132
6172535	B967A05200 KC7315	G132
6172536	B967A05500 KC7315	G132
6172537	B967A05800 KC7315	G132
6172538	B967A06100 KC7315	G132
6172539	B967A06600 KC7315	G133
6172540	B967A06800 KC7315	G133
6172541	B967A07800 KC7315	G133
6172542	B967A08100 KC7315	G133
6172543	B967A08600 KC7315	G133
6172544	B967A08800 KC7315	G133
6172655	T839M030X050R6H-D1 KSP39	M45
6172656	T839M030X050R6H-D1 KSU31	M45
6172657	T839M040X070R6H-D1 KSP39	M45
6172658	T839M040X070R6H-D1 KSU31	M45
6172659	T839M050X080R6H-D1 KSP39	M45
6172660	T839M050X080R6H-D1 KSU31	M45
6172681	T839M060X100R6H-D1 KSP39	M45
6172682	T839M060X100R6H-D1 KSU31	M45
6172683	T839M080X125R6H-D1 KSP39	M45
6172684	T839M080X125R6H-D1 KSU31	M45
6172685	T839M100X150R6H-D1 KSP39	M45
6172686	T839M100X150R6H-D1 KSU31	M45
6172687	T839M120X175R6H-D6 KSP39	M45
6172688	T839M120X175R6H-D6 KSU31	M45
6172689	T839M140X200R6H-D6 KSP39	M45
6172690	T839M140X200R6H-D6 KSU31	M45
6172701	T839M160X200R6H-D6 KSP39	M45
6172702	T839M160X200R6H-D6 KSU31	M45
6172703	T839M180X250R6H-D6 KSP39	M45
6172704	T839M180X250R6H-D6 KSU31	M45
6172705	T839M200X250R6H-D6 KSP39	M45
6172706	T839M200X250R6H-D6 KSU31	M45
6172875	T838NC05625-12R2B-D6 KSP39	M47
6172876	T838NC05625-12R2B-D6 KSU31	M47
6172877	T838NF05625-18R2B-D4 KSP39	M47
6172878	T838NF05625-18R2B-D4 KSU31	M47
6172879	T838NC06250-11R2B-D6 KSP39	M47
6172880	T838NC06250-11R2B-D6 KSU31	M47
6172967	T838M020X040R6H-D1 KSP39	M43
6172968	T838M020X040R6H-D1 KSU31	M43
6172969	T838M030X050R6H-D1 KSP39	M43
6172970	T838M030X050R6H-D1 KSU31	M43
6173001	T838M040X070R6H-D1 KSP39	M43
6173002	T838M040X070R6H-D1 KSU31	M43
6173003	T838M050X080R6H-D1 KSP39	M43
6173004	T838M050X080R6H-D1 KSU31	M43
6173005	T838M050X080R6H-D6 KSP39	M43
6173006	T838M050X080R6H-D6 KSU31	M43
6173007	T838MF060X075R6H-D4 KSP39	M43
6173008	T838MF060X075R6H-D4 KSU31	M43
6173009	T838M060X100R6H-D1 KSP39	M43
6173010	T838M060X100R6H-D1 KSU31	M43
6173011	T838M060X100R6H-D6 KSP39	M43
6173012	T838M060X100R6H-D6 KSU31	M43
6173013	T838MF080X075R6H-D4 KSP39	M43
6173014	T838MF080X075R6H-D4 KSU31	M43
6173015	T838MF080X100R6H-D4 KSP39	M43
6173016	T838MF080X100R6H-D4 KSU31	M43
6173017	T838M080X125R6H-D1 KSP39	M43
6173018	T838M080X125R6H-D1 KSU31	M43
6173019	T838M080X125R6H-D6 KSP39	M43
6173020	T838M080X125R6H-D6 KSU31	M43
6173021	T838MF100X075R6H-D4 KSP39	M43
6173022	T838MF100X075R6H-D4 KSU31	M43
6173023	T838MF100X100R6H-D4 KSP39	M43
6173024	T838MF100X100R6H-D4 KSU31	M43
6173025	T838MF100X125R6H-D4 KSP39	M43
6173026	T838MF100X125R6H-D4 KSU31	M43
6173027	T838M100X150R6H-D1 KSP39	M43
6173028	T838M100X150R6H-D1 KSU31	M43
6173029	T838M100X150R6H-D6 KSP39	M43
6173030	T838M100X150R6H-D6 KSU31	M43
6173051	T838MF120X100R6H-D4 KSP39	M43
6173052	T838MF120X100R6H-D4 KSU31	M43
6173053	T838MF120X125R6H-D4 KSP39	M43
6173054	T838MF120X125R6H-D4 KSU31	M43
6173055	T838MF120X150R6H-D4 KSP39	M43
6173056	T838MF120X150R6H-D4 KSU31	M43
6173057	T838M120X175R6H-D6 KSP39	M43
6173058	T838M120X175R6H-D6 KSU31	M43
6173059	T838MF140X100R6H-D4 KSP39	M43
6173060	T838MF140X100R6H-D4 KSU31	M43
6173061	T838MF140X125R6H-D4 KSP39	M43
6173062	T838MF140X125R6H-D4 KSU31	M43
6173063	T838MF140X150R6H-D4 KSP39	M43
6173064	T838MF140X150R6H-D4 KSU31	M43
6173065	T838M140X200R6H-D6 KSP39	M43
6173066	T838M140X200R6H-D6 KSU31	M43
6173068	T838MF160X150R6H-D4 KSP39	M43
6173069	T838MF160X150R6H-D4 KSU31	M43
6173070	T838M160X200R6H-D6 KSP39	M43
6173071	T838NF06250-18R2B-D4 KSP39	M47
6173072	T838NF06250-18R2B-D4 KSU31	M47
6173073	T838NC07500-10R2B-D6 KSP39	M47
6173074	T838NC07500-10R2B-D6 KSU31	M47
6173075	T838NF07500-16R2B-D4 KSP39	M47
6173076	T838NF07500-16R2B-D4 KSU31	M47
6173077	T838NC08750-9R2B-D6 KSP39	M47
6173078	T838NC08750-9R2B-D6 KSU31	M47
6173079	T838NF08750-14R2B-D4 KSP39	M47
6173080	T838NF08750-14R2B-D4 KSU31	M47

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6173081	T838NC10000-8R2B-D6 KSP39	M47
6173082	T838NC10000-8R2B-D6 KSU31	M47
6173083	T838NF10000-12R2B-D4 KSP39	M47
6173084	T838NF10000-12R2B-D4 KSU31	M47
6173085	T838NC11250-7R2B-D6 KSP39	M48
6173086	T838NC11250-7R2B-D6 KSU31	M48
6173087	T838NF11250-12R2B-D4 KSP39	M48
6173088	T838NF11250-12R2B-D4 KSU31	M48
6173089	T838NC12500-7R2B-D6 KSP39	M48
6173090	T838NC12500-7R2B-D6 KSU31	M48
6173091	T838NF12500-12R2B-D4 KSP39	M48
6173092	T838NF12500-12R2B-D4 KSU31	M48
6173093	T838NC13750-6R2B-D6 KSP39	M48
6173094	T838NC13750-6R2B-D6 KSU31	M48
6173095	T838NF13750-12R2B-D4 KSP39	M48
6173096	T838NF13750-12R2B-D4 KSU31	M48
6173097	T838NC15000-6R2B-D6 KSP39	M48
6173098	T838NC15000-6R2B-D6 KSU31	M48
6173099	T838NF15000-12R2B-D4 KSP39	M48
6173100	T838NF15000-12R2B-D4 KSU31	M48
6173101	T838NC17500-5R2B-D6 KSP39	M48
6173102	T838NC17500-5R2B-D6 KSU31	M48
6173103	T838NC20000-4,5R2B-D6 KSP39	M48
6173104	T838NC20000-4,5R2B-D6 KSU31	M48
6173111	T838M160X200R6H-D6 KSU31	M43
6173112	T838MF180X150R6H-D4 KSP39	M43
6173113	T838MF180X150R6H-D4 KSU31	M43
6173114	T838MF180X200R6H-D4 KSP39	M43
6173115	T838MF180X200R6H-D4 KSU31	M43
6173116	T838M180X250R6H-D6 KSP39	M43
6173117	T838M180X250R6H-D6 KSU31	M43
6173118	T838MF200X150R6H-D4 KSP39	M43
6173119	T838MF200X150R6H-D4 KSU31	M43
6173120	T838MF200X200R6H-D4 KSP39	M43
6173131	T838MF200X200R6H-D4 KSU31	M43
6173132	T838M200X250R6H-D6 KSP39	M44
6173133	T838M200X250R6H-D6 KSU31	M44
6173134	T838MF220X150R6H-D4 KSP39	M44
6173135	T838MF220X150R6H-D4 KSU31	M44
6173136	T838MF220X200R6H-D4 KSP39	M44
6173137	T838MF220X200R6H-D4 KSU31	M44
6173138	T838M220X250R6H-D6 KSP39	M44
6173139	T838M220X250R6H-D6 KSU31	M44
6173140	T838MF240X150R6H-D4 KSP39	M44
6173141	T838MF240X150R6H-D4 KSU31	M44
6173142	T838MF240X200R6H-D4 KSP39	M44
6173143	T838MF240X200R6H-D4 KSU31	M44
6173144	T838M240X300R6H-D6 KSP39	M44
6173145	T838M240X300R6H-D6 KSU31	M44
6173146	T838MF270X150R6H-D4 KSP39	M44
6173147	T838MF270X150R6H-D4 KSU31	M44
6173148	T838M270X300R6H-D6 KSP39	M44
6173149	T838M270X300R6H-D6 KSU31	M44
6173150	T838MF300X150R6H-D4 KSP39	M44
6173151	T838MF300X150R6H-D4 KSU31	M44
6173152	T838MF300X200R6H-D4 KSP39	M44
6173153	T838MF300X200R6H-D4 KSU31	M44
6173154	T838M300X350R6H-D6 KSP39	M44
6173155	T838M300X350R6H-D6 KSU31	M44
6173156	T838M330X350R6H-D6 KSP39	M44
6173157	T838M330X350R6H-D6 KSU31	M44
6173158	T838M360X400R6H-D6 KSP39	M44
6173159	T838M360X400R6H-D6 KSU31	M44
6173160	T838M390X400R6H-D6 KSP39	M44
6173171	T838M390X400R6H-D6 KSU31	M44
6173172	T838M420X450R6H-D6 KSP39	M44
6173173	T838M420X450R6H-D6 KSU31	M44
6173174	T838M450X450R6H-D6 KSP39	M44
6173175	T838M450X450R6H-D6 KSU31	M44
6173176	T838M480X500R6H-D6 KSP39	M44
6173177	T838M480X500R6H-D6 KSU31	M44
6173178	T838M520X500R6H-D6 KSP39	M44
6173179	T838M520X500R6H-D6 KSU31	M44
6173240	T838NC#06-32R2B-D1 KSP39	M47
6173261	T838NC#06-32R2B-D1 KSU31	M47
6173262	T838NF#06-40R2B-D1 KSP39	M47
6173263	T838NF#06-40R2B-D1 KSU31	M47
6173264	T838NC#08-32R2B-D1 KSP39	M47
6173265	T838NC#08-32R2B-D1 KSU31	M47
6173266	T838NF#08-36R2B-D1 KSP39	M47
6173267	T838NF#08-36R2B-D1 KSU31	M47
6173268	T838NC#10-24R2B-D1 KSP39	M47
6173269	T838NC#10-24R2B-D1 KSU31	M47
6173270	T838NF#10-32R2B-D1 KSP39	M47
6173271	T838NF#10-32R2B-D1 KSU31	M47
6173272	T838NC#12-24R2B-D1 KSP39	M47
6173273	T838NC#12-24R2B-D1 KSU31	M47
6173274	T838NF#12-28R2B-D1 KSP39	M47
6173275	T838NF#12-28R2B-D1 KSU31	M47
6173276	T838NC02500-20R2B-D1 KSP39	M47
6173277	T838NC02500-20R2B-D1 KSU31	M47
6173278	T838NC02500-20R2B-D6 KSP39	M47
6173279	T838NC02500-20R2B-D6 KSU31	M47
6173280	T838NF02500-28R2B-D1 KSP39	M47
6173281	T838NF02500-28R2B-D1 KSU31	M47
6173282	T838NF02500-28R2B-D4 KSP39	M47
6173283	T838NF02500-28R2B-D4 KSU31	M47
6173284	T838NC03125-18R2B-D1 KSP39	M47
6173285	T838NC03125-18R2B-D1 KSU31	M47
6173286	T838NC03125-18R2B-D6 KSP39	M47
6173287	T838NC03125-18R2B-D6 KSU31	M47
6173288	T838NF03125-24R2B-D4 KSP39	M47
6173289	T838NF03125-24R2B-D4 KSU31	M47
6173290	T838NC03750-16R2B-D1 KSP39	M47
6173301	T838NC03750-16R2B-D1 KSU31	M47
6173302	T838NC03750-16R2B-D6 KSP39	M47
6173303	T838NC03750-16R2B-D6 KSU31	M47
6173304	T838NF03750-24R2B-D4 KSP39	M47
6173305	T838NF03750-24R2B-D4 KSU31	M47
6173306	T838NC04375-14R2B-D6 KSP39	M47
6173307	T838NC04375-14R2B-D6 KSU31	M47
6173308	T838NF04375-20R2B-D4 KSP39	M47
6173309	T838NF04375-20R2B-D4 KSU31	M47
6173310	T838NC05000-13R2B-D6 KSP39	M47
6173311	T838NC05000-13R2B-D6 KSU31	M47
6173312	T838NF05000-20R2B-D4 KSP39	M47
6173313	T838NF05000-20R2B-D4 KSU31	M47
6173786	LNPU221012PNSRHD2 KCSM40	S121, S123
6174999	FSDE1200A9BCN KC643M	P92
6175000	FSDE1600ABBCN KC643M	P92
6175756	EDPT10T308PDERHD KCSM40	T36
6175757	EDPT10T312PDERHD KCSM40	T36
6175758	EDPT10T316PDERHD KCSM40	T36
6175759	EDPT10T320PDERHD KCSM40	T36
6175760	EDPT10T324PDERHD KCSM40	T36
6176091	EDPT10T331PDERHD KCSM40	T36
6176092	EDPT10T308PDSRGE KCSM40	T36
6176093	EDPT10T312PDSRGE KCSM40	T36
6176094	EDPT10T316PDSRGE KCSM40	T36
6176095	EDPT10T331PDSRGE KCSM40	T36
6176096	EDCT10T308PDERLD KCSM40	T35
6176097	EDCT10T312PDERLD KCSM40	T35
6176098	EDCT10T316PDERLD KCSM40	T35
6176099	EDCT10T324PDERLD KCSM40	T35
6176100	EDCT10T331PDERLD KCSM40	T35
6177823	SNHJ120608SNGD KCSM40	S63
6177924	OFKT06L5AFENLB KCSM40	S50
6177925	OFKT06L5AFENGB KCSM40	S50
6177926	OFKT06L5AFSNHB KCSM40	S50
6177927	OFPT06L5AFSNHB KCSM40	S51
6177928	OFKT07L6AFENLB KCSM40	S54
6177929	OFKT07L6AFENGB KCSM40	S55
6177930	OFKT07L6AFSNHB KCSM40	S55
6178011	OFPT07L6AFSNHB KCSM40	S55
6178103	HNGJ0905ANENLD KCSM40	S18, S22
6178104	HNGJ0905ANSNGD KCSM40	S18, S23
6178105	HNGJ0905ANSNHD KCSM40	S19, S23
6178106	HNGJ090543ANSNHD KCSM40	S19, S23
6178107	XNGJ0905ANSNGD3W KCSM40	S22
6178108	HNPJ0905ANSNHD KCSM40	S19, S24
6178109	HNPJ090543ANSNHD KCSM40	S19, S24
6178110	HNPJ1307ANSNHD KCSM40	S27
6178121	LNPU2410ANSRHD2 KCSM40	S117
6178232	DFT030304GD KC7140	J87
6178233	DFT05T308GD KC7140	J87
6178234	DFT06T308GD KC7140	J87
6178235	DFT070408GD KC7140	J87
6178236	DFT090508GD KC7140	J87
6178237	SDHT120412EN422 KCSM40	T119
6178238	SDHT120412EN423 KCSM40	T119
6178239	SDMT120412EN41 KCSM40	T120
6178240	SDMW120412TN KCSM40	T120
6178251	SDHT09T308EN422 KCSM40	T116
6178252	SDHT09T308EN423 KCSM40	T116
6178253	SDMT09T308EN41 KCSM40	T117
6178254	SDMW09T308TN KCSM40	T117
6179709	EVSCFL1010K1B10	C42
6179710	EVSCFL1010K1F10	C42
6179755	EVSCTR1212K0316C	C39
6179756	EVSCTL1212K0316C	C40
6179757	EVSCTR1212K1B16	C39
6179758	EVSCTR1212K1F16	C39
6179759	EVSCTR1212K0216	C39
6179760	EVSCTL1212K1B16	C40
6179761	EVSCTL1212K1F16	C40
6179762	EVSCTL1212K0216	C40
6179763	EVSCFR1010K1B10	C41
6179764	EVSCFR1010K1F10	C41
6179765	EVSCFR1010K0210	C41
6179766	EVSCFR1212K1B10	C41
6179767	EVSCFR1212K1B13	C41
6179768	EVSCFR1212K1F10	C41
6179769	EVSCFR1212K1F13	C41
6179770	EVSCFR1212K0210	C41
6179771	EVSCFR1212K0216	C41
6179772	EVSCFR1212K0310C	C41
6179773	EVSCFR1212K0316C	C41
6179774	EVSCFR1616K1B16	C41
6179775	EVSCFR1616K1F16	C41
6179776	EVSCFR1616K0216	C41
6179777	EVSCFR1616K0316C	C41
6179778	EVSCFR2020K1B16	C41
6179779	EVSCFR2020K1F16	C41
6179780	EVSCFR2020K0216	C41
6179781	EVSCFR2020K0316C	C41
6179921	EVSCFL1010K0210	C42
6179922	EVSCFL1212K1B10	C42
6179923	EVSCFL1212K1B13	C42
6179924	EVSCFL1212K1F10	C42
6179925	EVSCFL1212K1F13	C42
6179926	EVSCFL1212K0210	C42
6179927	EVSCFL1212K0216	C42
6179928	EVSCFL1212K0310C	C42
6179929	EVSCFL1212K0316C	C42
6179930	EVSCFL1616K1B16	C42
6179931	EVSCFL1616K1F16	C42
6179932	EVSCFL1616K0216	C42
6179933	EVSCFL1616K0316C	C42
6179934	EVSCFL2020K1B16	C42
6179935	EVSCFL2020K1F16	C42
6179936	EVSCFL2020K0216	C42
6179937	EVSCFL2020K0316C	C42
6180436	DNMG110412CT KCP10B	B76
6181213	LNUX191940S-WT5 KCP25B	E53
6181214	KNUX150405R20 KCP25B	E32
6181215	SNMX190640S-WT5 KCP25B	E53
6181216	KCUX110305R15 KCP25B	E32
6181217	KNUX150405R25 KCP25B	E31
6181311	CNMM190740RRP KCP10B	E53
6181316	RCMX2507M076 KCP25B	E53
6183779	RIQB6C4500S KBHK10	K56
6183780	RIQB7C4500S KBHK10	K56
6183831	RIQ07C4500S KBHK10	K56
6183832	RIQ08C4500S KBHK10	K56
6183833	RIQ09C4500S KBHK10	K56
6183834	RIQB6C4500S KBHK15	K56
6183836	RIQB7C4500S KBHK15	K56
6183837	RIQ07C4500S KBHK15	K56
6183838	RIQ08C4500S KBHK15	K56
6183839	RIQ09C4500S KBHK15	K56
6185769	XPPT060308ERD41 KCSM40	V7
6185770	XEPT160512ERD41 KCSM40	V31
6185921	XDPT090408ERD41 KCSM40	V15
6185922	XDPT090412ERD411 KCSM40	V15
6187383	SDPT1204PDERGB2 KCSM40	T105, T112, U52
6187384	SDPT1204PDSRGB2 KCSM40	T105, T112, U52
6187511	XPPW060310SRD KCPM40	V7
6187512	XPPW060310SRD KCPK30	V7
6187513	XPPW060310SRD KC522M	V7
6187514	XPPW060310SRD KC510M	V7
6187535	XDPW090412SRD KCPM40	V16
6187536	XDPW090412SRD KCPK30	V16
6187537	XDPW090412SRD KCK15	V16
6187538	XDPW090412SRD KC522M	V16
6187539	XDPW090412SRD KC510M	V16
6187714	XEPW160520SRD KCPM40	V31
6187715	XEPW160520SRD KCPK30	V31
6187716	XEPW160520SRD KCK15	V31
6187717	XEPW160520SRD KC522M	V31
6187806	XDPT120508ERD41 KCSM40	V23
6187808	XDPT120512ERD411 KCSM40	V24
6191237	KSDR100031E0W0S KD1400	S127
6191238	KSDR100031E0W0S KD1425	S127
6191356	RCGT2006M0ELF KCSM40	V83
6191357	RCGT2006M0SHF KCSM40	V83
6191557	XEPT160516ERD41 KCPM40	V31
6191558	XEPT160516ERD41 KCPK30	V31
6191559	XEPT160516ERD41 KC522M	V31
6191642	XDPT090412SRGP KCPM40	V16
6191643	XDPT090412SRGP KCPK30	V16
6191644	XDPT090412SRGP KC725M	V16
6191645	XDPT090412SRGP KC522M	V16
6197561	DTQ50140	S32–33
6200729	LNGU110416SRGEM KCK15	T9
6200730	LNGU110416SRGEM KCPK30	T9
6201021	LNGU110416SRGEM KC520M	T9
6201022	LNGU110416SRGEM KCPM40	T9
6201279	LNGU110404SRGE KC522M	T9
6201280	LNGU110404SRGE KCPM40	T9
6201291	LNGU110404SRGE KCSM40	T9
6201292	LNGU110404ERLEJ KC422M	T8
6201351	LNGU110412ERGE KCSM40	T8
6201352	LNGU110412ERGE KC522M	T8
6201353	LNGU110412ERGE KCPM40	T8
6201354	LNGU110408ERGE KCSM40	T8
6202331	250C246RF60HN09C	S94
6202333	315Z328RF60HN09WSC	S94
6202340	ONPX080608SNGP KCK20	S36
6202371	ONPX080620SNHB KCK20	S36
6205876	BTQSW3L90	S32–33
6207836	KBDM250SD30	S126
6210796	HDHN070408SR KBK50	S112
6210797	SDHN1204ZZSN4W KBK50	S112
6210836	KCFMCA45SD12C	S111
6210837	KCFMCA45HD07	S111
6210838	HDHN070408ER KC514M	S112
6210839	SDHN1204ZZEN4W KC514M	S112
6210840	HDHN070408SR KY3500	S112
6213970	M4-11KITD16Z2A16SGEKCPM40	T11
6214071	M4-11KITD20Z2B20SGEKCPM40	T11
6214072	M4-11KITD20Z3A20SGEKCPM40	T11
6214073	M4-11KITD25Z3B25SGEKCPM40	T11
6214074	M4-11KITD25Z4A25SGEKCPM40	T11
6214075	M4-11KITD32Z4B32SGEKCPM40	T11
6214076	M4-11KITD32Z5A32SGEKCPM40	T11
6214077	M4-11KITD40Z4S16SGEKCPM40	T11
6214078	M4-11KITD40Z6S16SGEKCPM40	T11
6214079	M4-11KITD50Z5S22SGEKCPM40	T11
6214080	M4-11KITD50Z7S22SGEKCPM40	T11
6214081	M4-11KITD63Z9S22SGEKCPM40	T11
6214082	M4-11KITD16Z2A16EGEKC725M	T11
6214083	M4-11KITD20Z2B20EGEKC725M	T11
6214084	M4-11KITD20Z3A20EGEKC725M	T11
6214085	M4-11KITD25Z3B20EGEKC725M	T11
6214086	M4-11KITD25Z4A25EGEKC725M	T11
6214087	M4-11KITD32Z4B32EGEKC725M	T11
6214088	M4-11KITD32Z5A32EGEKC725M	T11
6214089	M4-11KITD40Z4S16EGEKC725M	T11
6214090	M4-11KITD40Z6S16EGEKC725M	T11
6214091	M4-11KITD50Z5S22EGEKC725M	T11
6214092	M4-11KITD50Z7S22EGEKC725M	T11
6214093	M4-11KITD63Z9S22EGEKC725M	T11
6224238	KCFM080R08HD07W2	S110
6224239	KCFM100R08HD07W2	S110
6224240	KCFM125R10HD07W2	S110

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6224411	KCFM160R12HD07W4	S110
6224412	KCFM200R16HD07W4	S110
6224413	KCFM250R24HD07W6	S110
6226803	LNUX191940RRSM KCP25B	E52
6228171	NG2031L KCK20B	C155
6228172	NG2031R KCK20B	C154
6228173	NG2041L KCK20B	C155
6228174	NG2041R KCK20B	C154
6228175	NG2047R KCK20B	C154
6228176	NG2062L KCK20B	C155
6228177	NG2062R KCK20B	C154
6228178	NG2094L KCK20B	C155
6228179	NG2094R KCK20B	C154
6228180	NG2125L KCK20B	C155
6228181	NG3047L KCK20B	C155
6228182	NG3047R KCK20B	C154
6228183	NG3062L KCK20B	C155
6228184	NG3062R KCK20B	C154
6228185	NG3072R KCK20B	C154
6228186	NG3078R KCK20B	C154
6228187	NG3088R KCK20B	C154
6228188	NG3094L KCK20B	C155
6228189	NG3094R KCK20B	C154
6228190	NG3097R KCK20B	C154
6228191	NG3105R KCK20B	C154
6228192	NG3125L KCK20B	C155
6228193	NG3125R KCK20B	C154
6228194	NG3156R KCK20B	C154
6228195	NG3189L KCK20B	C155
6228196	NG3189R KCK20B	C154
6228197	NG4125R KCK20B	C154
6228198	NG4189L KCK20B	C155
6228199	NG4189R KCK20B	C154
6228200	NG4250L KCK20B	C155
6228201	NG4250R KCK20B	C154
6231915	ER094I02U00GUN KCU10	C24
6231916	ER125I03U00GUN KCU10	C24
6231917	ER187I04U00GUN KCU10	C24
6231918	ER250I06U00GUN KCU10	C24
6231919	ER312I08U00GUN KCU10	C24
6231920	ER094I02U00GUN KCU25	C24
6231921	ER125I03U00GUN KCU25	C24
6231922	ER187I04U00GUN KCU25	C24
6231923	ER250I06U00GUN KCU25	C24
6231924	ER312I08U00GUN KCU25	C24
6231925	ER094I02U00GUN KCP10B	C24
6231926	ER125I03U00GUN KCP10B	C24
6231927	ER187I04U00GUN KCP10B	C24
6231928	ER250I06U00GUN KCP10B	C24
6231929	ER312I08U00GUN KCP10B	C24
6231930	ER094I02U00GUN KCP25B	C24
6231931	ER125I03U00GUN KCP25B	C24
6231932	ER187I04U00GUN KCP25B	C24
6231933	ER250I06U00GUN KCP25B	C24
6231934	ER312I08U00GUN KCP25B	C24
6231935	ER094I02U00GUN KCK20B	C24
6231936	ER125I03U00GUN KCK20B	C24
6231937	ER187I04U00GUN KCK20B	C24
6231938	ER250I06U00GUN KCK20B	C24
6231939	ER312I08U00GUN KCK20B	C24
6274622	TCDE1000AC5RE KC643M	P42
6274623	TCDE1200AC5RF KC643M	P42
6283516	TCDE0800AC5RE KC643M	P42
6283517	TCDE1600A5CRG KC643M	P42
6283518	TCDE2000A5CRG KC643M	P42
6283519	TCDE2500A5CRG KC643M	P42
6295898	CNGA120404S01015MT KBH10	B310
6295899	CNGA120404S01015FWMT KBH10	B310
6295900	CNGA120408S01015MT KBH10	B310
6295921	CNGA120408S01015FWMT KBH10	B310
6295922	CNGA120412S01015MT KBH10	B310
6295923	CNGA120408S01225MT KBH10	B310
6295925	CNGA120408S01225FWMT KBH10	B310
6295926	CNGA120412S01225MT KBH10	B310
6295927	CNGA120412S01225FWMT KBH10	B310
6295928	CNGA120408S01735MT KBH10	B310
6295929	CNGA120412S01735MT KBH10	B310
6295930	DNGA150404S01015MT KBH10	B314
6295941	DNGA150408S01015MT KBH10	B314
6295942	DNGA150408S01015FWMT KBH10	B313
6295943	DNGA150412S01015MT KBH10	B314
6295944	DNGA150408S01225MT KBH10	B314
6295946	DNGA150408S01225FWMT KBH10	B313
6295947	DNGA150412S01225MT KBH10	B314
6295948	DNGA150412S01225FWMT KBH10	B313
6295949	DNGA150408S01735MT KBH10	B314
6295950	DNGA150412S01735MT KBH10	B314
6295951	DNGA150604S01015MT KBH10	B314
6295952	DNGA150608S01015MT KBH10	B314
6295953	DNGA150612S01015MT KBH10	B314
6295954	DNGA150608S01225MT KBH10	B314
6295955	DNGA150612S01225MT KBH10	B314
6295956	SNGA120408S01015MT KBH10	B318
6295957	SNGA120408S01225MT KBH10	B318
6295958	SNGA120412S01225MT KBH10	B318
6295959	TNGA160404S01015MT KBH10	B320
6295960	TNGA160408S01015MT KBH10	B320
6295971	TNGA160412S01015MT KBH10	B320
6295972	TNGA160408S01225MT KBH10	B320
6295973	TNGA160412S01225MT KBH10	B320
6295974	TNGA160408S01735MT KBH10	B320
6295975	TNGA160412S01735MT KBH10	B320
6295976	VNGA160404S01015MT KBH10	B323
6295977	VNGA160408S01015MT KBH10	B323
6295978	VNGA160404S01225MT KBH10	B323
6295979	VNGA160408S01225MT KBH10	B323
6295980	WNGA80408S01015MT KBH10	B324
6295991	WNGA80408S01225MT KBH10	B324
6295992	CCGW060202S01015MT KBH10	B308
6295993	CCGW060204S01015MT KBH10	B308
6295994	CCGW09T302S01015MT KBH10	B308
6295995	CCGW09T304S01015MT KBH10	B308
6295996	CCGW09T308S01015MT KBH10	B308
6295997	CCGW09T308S01015FWMT KBH10	B308
6295998	CCGW09T304S01225MT KBH10	B308
6296000	CCGW09T308S01225MT KBH10	B308
6296002	DCGW70202S01015MT KBH10	B312
6296004	DCGW70204S01015MT KBH10	B312
6296007	DCGW11T302S01015MT KBH10	B312
6296008	DCGW11T304S01015MT KBH10	B312
6296009	DCGW11T308S01015MT KBH10	B312
6296010	DCGW11T308S01015FWMT KBH10	B312
6296021	DCGW70204S01225MT KBH10	B312
6296022	DCGW11T304S01225MT KBH10	B312
6296023	DCGW11T308S01225MT KBH10	B312
6296024	DCGW11T308S01225FWMT KBH10	B312
6296025	TCGW110202S01015MT KBH10	B319
6296026	TCGW110204S01015MT KBH10	B319
6296027	TCGW110208S01015MT KBH10	B319
6296028	TCGW110204S01225MT KBH10	B319
6296029	TCGW110208S01225MT KBH10	B319
6296030	TPGW110304S01015MT KBH10	B321
6296031	TPGW160404S01015MT KBH10	B321
6296032	TPGW160408S01015MT KBH10	B321
6296033	TPGW110304S01225MT KBH10	B321
6296034	TPGW110308S01225MT KBH10	B321
6296035	TPGW160404S01225MT KBH10	B321
6296036	TPGW160408S01225MT KBH10	B321
6296037	VBGW110304S01015MT KBH10	B322
6296038	VBGW110308S01015MT KBH10	B322
6296039	VBGW160404S01015MT KBH10	B322
6296040	VBGW160408S01015MT KBH10	B322
6300607	KNUX160405L1 KCM15B	E31
6300608	KNUX160405L1 KCM25B	E31
6300609	KNUX160405L2 KU10	E31
6300610	KNUX160405R1 KCU25	E31
6300611	KNUX160405R1 KCM15B	E31
6300612	KNUX160405R1 KCM25B	E31
6300613	KNUX160405R2 KCM25B	E31
6300614	KNUX160410R1 KCM25B	E31
6300615	KNUX160410R2 KCM25B	E31
6320146	RCMH2507M0TUPG KCP10B	E60
6320147	RCMH2507M0TUPG KCP25B	E60
6320148	RCMX2507M0TUPG KCP10B	E61
6320149	RCMX2507M0TUPG KCP25B	E61
6320150	RCMH3209M0TUPG KCP10B	E60
6320351	RCMH3209M0TUPG KCP25B	E60
6320352	RCMX3209M0TUPG KCP10B	E61
6320353	RCMX3209M0TUPG KCP25B	E61
6320354	RCMT1606M0UPG KCPK05	E60
6320355	RCMT1606M0UPG KCP10B	E60
6320356	RCMT1606M0UPG KCP25B	E60
6320357	RCMT1606M0UPG KCK15B	E60
6320358	RCMT2006M0UPG KCPK05	E60
6320359	RCMT2006M0UPG KCP10B	E60
6320360	RCMT2006M0UPG KCP25B	E60
6320361	RCMT2006M0UPG KCK15B	E60
6342967	TWDL10TM	O58
6342968	TWDL12TM	O58
6342969	TWDL16TM	O58
6342970	TWDL20TM	O58
6343061	TWDL25TM	O58
6343062	TWDL32TM	O58
6348983	B273Z16000HPG KCPK15	G78
6348984	B274Z13500HPG KCPK15	G80
6348985	B274Z14000HPG KCPK15	G80
6348986	B274Z15000HPG KCPK15	G80
6348987	B275Z02500KMG KCPK20	G81
6348988	B275Z03000KMG KCPK20	G81
6348989	B275Z03175HPG KCPK20	G81
6348990	B275Z03500HPG KCPK20	G81
6349001	B275Z03571HPG KCPK20	G81
6349002	B275Z03970HPG KCPK20	G81
6349003	B275Z04000HPG KCPK20	G81
6349004	B275Z04200HPG KCPK20	G81
6349006	B275Z04763HPG KCPK20	G81
6349007	B275Z05000HPG KCPK20	G81
6349008	B275Z05500HPG KCPK20	G81
6349009	B275Z05558HPG KCPK20	G81
6349010	B275Z06000HPG KCPK20	G81
6349011	B275Z06350HPG KCPK20	G81
6349012	B275Z06500HPG KCPK20	G81
6349013	B275Z06800HPG KCPK20	G81
6349014	B275Z07000HPG KCPK20	G81
6349015	B275Z07145HPG KCPK20	G81
6349016	B275Z07500HPG KCPK20	G81
6349017	B275Z07938HPG KCPK20	G81
6349018	B275Z08000HPG KCPK20	G81
6349020	B275Z08733HPG KCPK20	G81
6349021	B275Z09000HPG KCPK20	G81
6349022	B275Z09525HPG KCPK20	G81
6349023	B275Z10000HPG KCPK20	G81
6349024	B275Z10200HPG KCPK15	G81
6349025	B275Z10320HPG KCPK15	G81
6349027	B273Z16000HPS KN25	G78
6349028	B274Z13500HPS KN25	G80
6349029	B274Z14000HPS KN25	G80
6349030	B274Z15000HPS KN25	G80
6349031	B275Z02500KMS KN25	G81
6349032	B275Z03000HPS KN25	G81
6349033	B275Z03175HPS KN25	G81
6349034	B275Z03500HPS KN25	G81
6349035	B275Z03571HPS KN25	G81
6349036	B275Z03970HPS KN25	G81
6349037	B275Z04000HPS KN25	G81
6349038	B275Z04200HPS KN25	G81
6349039	B275Z04500HPS KN25	G81
6349040	B275Z04763HPS KN25	G81
6349041	B275Z05000HPS KN25	G81
6349042	B275Z05500HPS KN25	G81
6349043	B275Z05558HPS KN25	G81
6349044	B275Z06000HPS KN25	G81
6349045	B275Z06350HPS KN25	G81
6349046	B275Z06500HPS KN25	G81
6349047	B275Z06800HPS KN25	G81
6349048	B275Z07000HPS KN25	G81
6349049	B275Z07145HPS KN25	G81
6349050	B275Z07500HPS KN25	G81
6349051	B275Z07938HPS KN25	G81
6349052	B275Z08000HPS KN25	G81
6349053	B275Z08500HPS KN25	G81
6349054	B275Z08733HPS KN25	G81
6349055	B275Z09000HPS KN25	G81
6349056	B275Z09525HPS KN25	G81
6349057	B275Z10000HPS KN25	G81
6349058	B275Z10200HPS KN25	G81
6349059	B275Z10320HPS KN25	G81
6349060	B275Z11000HPS KN25	G81
6350374	B211A03000SGL KCMS15	G38
6350375	B211A03048SGL KCMS15	G38
6350376	B211A03100SGL KCMS15	G38
6350377	B211A03175SGL KCMS15	G38
6350378	B211A03200SGL KCMS15	G38
6350379	B211A03300SGL KCMS15	G38
6350380	B211A03400SGL KCMS15	G38
6350381	B211A03455SGL KCMS15	G38
6350382	B211A03500SGL KCMS15	G38
6350383	B211A03571SGL KCMS15	G38
6350384	B211A03600SGL KCMS15	G38
6350385	B211A03658SGL KCMS15	G38
6350386	B211A03700SGL KCMS15	G38
6350387	B211A03734SGL KCMS15	G38
6350388	B211A03800SGL KCMS15	G38
6350389	B211A03861SGL KCMS15	G38
6350390	B211A03900SGL KCMS15	G38
6350391	B211A04000SGL KCMS15	G38
6350392	B211A04039SGL KCMS15	G38
6350393	B211A04100SGL KCMS15	G38
6350394	B211A04200SGL KCMS15	G38
6350395	B211A04217SGL KCMS15	G38
6350396	B211A04300SGL KCMS15	G38
6350397	B211A04366SGL KCMS15	G38
6350398	B211A04400SGL KCMS15	G38
6350399	B211A04500SGL KCMS15	G38
6350400	B211A04600SGL KCMS15	G38
6350401	B211A04700SGL KCMS15	G38
6350402	B211A04763SGL KCMS15	G39
6350403	B211A04800SGL KCMS15	G39
6350404	B211A04852SGL KCMS15	G39
6350405	B211A04900SGL KCMS15	G39
6350406	B211A05000SGL KCMS15	G39
6350407	B211A05100SGL KCMS15	G39
6350408	B211A05106SGL KCMS15	G39
6350409	B211A05159SGL KCMS15	G39
6350410	B211A05200SGL KCMS15	G39
6350411	B211A05300SGL KCMS15	G39
6350412	B211A05400SGL KCMS15	G39
6350413	B211A05500SGL KCMS15	G39
6350414	B211A05558SGL KCMS15	G39
6350415	B211A05600SGL KCMS15	G39
6350416	B211A05700SGL KCMS15	G39
6350417	B211A05800SGL KCMS15	G39
6350418	B211A05900SGL KCMS15	G39
6350419	B211A05954SGL KCMS15	G39
6350420	B211A06000SGL KCMS15	G39
6350421	B211A06100SGL KCMS15	G39
6350422	B211A06200SGL KCMS15	G39
6350423	B211A06300SGL KCMS15	G39
6350424	B211A06350SGL KCMS15	G39
6350425	B211A06400SGL KCMS15	G39

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6350426	B211A06500SGL KCMS15	G39
6350427	B211A06630SGL KCMS15	G39
6350428	B211A06700SGL KCMS15	G39
6350429	B211A06600SGL KCMS15	G39
6350430	B211A06800SGL KCMS15	G39
6350431	B211A06900SGL KCMS15	G39
6350432	B211A07000SGL KCMS15	G39
6350433	B211A07100SGL KCMS15	G39
6350434	B211A07200SGL KCMS15	G39
6350435	B211A07300SGL KCMS15	G39
6350436	B211A07400SGL KCMS15	G39
6350437	B211A07500SGL KCMS15	G39
6350438	B211A07600SGL KCMS15	G39
6350439	B211A07700SGL KCMS15	G39
6350440	B211A07800SGL KCMS15	G39
6350441	B211A07900SGL KCMS15	G39
6350442	B211A07938SGL KCMS15	G39
6350443	B211A08000SGL KCMS15	G39
6350444	B211A08100SGL KCMS15	G39
6350445	B211A08200SGL KCMS15	G39
6350446	B211A08400SGL KCMS15	G39
6350447	B211A08500SGL KCMS15	G39
6350448	B211A08600SGL KCMS15	G39
6350449	B211A08700SGL KCMS15	G40
6350450	B211A08800SGL KCMS15	G40
6350451	B211A08900SGL KCMS15	G40
6350452	B211A09000SGL KCMS15	G40
6350453	B211A09100SGL KCMS15	G40
6350454	B211A09200SGL KCMS15	G40
6350455	B211A09300SGL KCMS15	G40
6350456	B211A09400SGL KCMS15	G40
6350457	B211A09500SGL KCMS15	G40
6350458	B211A09525SGL KCMS15	G40
6350459	B211A09600SGL KCMS15	G40
6350460	B211A09700SGL KCMS15	G40
6350471	B211A09800SGL KCMS15	G40
6350472	B211A09900SGL KCMS15	G40
6350473	B211A10000SGL KCMS15	G40
6350474	B211A10100SGL KCMS15	G40
6350475	B211A10200SGL KCMS15	G40
6350476	B211A10300SGL KCMS15	G40
6350477	B211A10400SGL KCMS15	G40
6350478	B211A10500SGL KCMS15	G40
6350479	B211A10700SGL KCMS15	G40
6350480	B211A10800SGL KCMS15	G40
6350481	B211A11000SGL KCMS15	G40
6350482	B211A11100SGL KCMS15	G40
6350483	B211A11113SGL KCMS15	G40
6350484	B211A11200SGL KCMS15	G40
6350485	B211A11400SGL KCMS15	G40
6350486	B211A11500SGL KCMS15	G40
6350487	B211A11700SGL KCMS15	G40
6350488	B211A11800SGL KCMS15	G40
6350489	B211A12000SGL KCMS15	G40
6350490	B211A12100SGL KCMS15	G40
6350491	B211A12200SGL KCMS15	G40
6350492	B211A12300SGL KCMS15	G40
6350493	B211A12500SGL KCMS15	G40
6350494	B211A12700SGL KCMS15	G40
6350495	B211A12800SGL KCMS15	G40
6350496	B211A12900SGL KCMS15	G40
6350497	B211A13000SGL KCMS15	G40
6350498	B211A13100SGL KCMS15	G40
6350499	B211A13200SGL KCMS15	G40
6350500	B211A13300SGL KCMS15	G40
6350501	B211A13500SGL KCMS15	G40
6350502	B211A13800SGL KCMS15	G40
6350503	B211A14000SGL KCMS15	G40
6350504	B211A14100SGL KCMS15	G40
6350505	B211A14300SGL KCMS15	G41
6350506	B211A14400SGL KCMS15	G41
6350507	B211A14500SGL KCMS15	G41
6350508	B211A14600SGL KCMS15	G41
6350509	B211A14800SGL KCMS15	G41
6350510	B211A15000SGL KCMS15	G41
6350511	B211A15100SGL KCMS15	G41
6350512	B211A15300SGL KCMS15	G41
6350513	B211A15500SGL KCMS15	G41
6350514	B211A15700SGL KCMS15	G41
6350515	B211A15875SGL KCMS15	G41
6350516	B211A16000SGL KCMS15	G41
6350517	B211A16100SGL KCMS15	G41
6350518	B211A16500SGL KCMS15	G41
6350519	B211A17000SGL KCMS15	G41
6350520	B211A17500SGL KCMS15	G41
6350521	B211A17700SGL KCMS15	G41
6350522	B211A18000SGL KCMS15	G41
6350523	B211A18500SGL KCMS15	G41
6350524	B211A19000SGL KCMS15	G41
6350525	B211A19159SGL KCMS15	G41
6350526	B211A19300SGL KCMS15	G41
6350527	B211A20500SGL KCMS15	G41
6350528	B212A03000SGL KCMS15	G38
6350529	B212A03175SGL KCMS15	G38
6350530	B212A03200SGL KCMS15	G38
6350551	B212A03264SGL KCMS15	G38
6350552	B212A03300SGL KCMS15	G38
6350553	B212A03455SGL KCMS15	G38
6350554	B212A03500SGL KCMS15	G38
6350555	B212A03571SGL KCMS15	G38
6350556	B212A03658SGL KCMS15	G38
6350557	B212A03700SGL KCMS15	G38
6350558	B212A03800SGL KCMS15	G38
6350559	B212A04000SGL KCMS15	G38
6350560	B212A04039SGL KCMS15	G38
6350561	B212A04100SGL KCMS15	G38
6350562	B212A04200SGL KCMS15	G38
6350564	B212A04300SGL KCMS15	G38
6350565	B212A04366SGL KCMS15	G38
6350566	B212A04500SGL KCMS15	G38
6350567	B212A04700SGL KCMS15	G38
6350568	B212A04800SGL KCMS15	G39
6350569	B212A04852SGL KCMS15	G39
6350570	B212A05000SGL KCMS15	G39
6350571	B212A05100SGL KCMS15	G39
6350572	B212A05200SGL KCMS15	G39
6350573	B212A05500SGL KCMS15	G39
6350575	B212A05800SGL KCMS15	G39
6350576	B212A06000SGL KCMS15	G39
6350577	B212A06350SGL KCMS15	G39
6350578	B212A06500SGL KCMS15	G39
6350579	B212A06630SGL KCMS15	G39
6350580	B212A06800SGL KCMS15	G39
6350591	B212A07000SGL KCMS15	G39
6350592	B212A07500SGL KCMS15	G39
6350593	B212A07800SGL KCMS15	G39
6350594	B212A08000SGL KCMS15	G39
6350595	B212A08400SGL KCMS15	G39
6350596	B212A08500SGL KCMS15	G39
6350597	B212A08800SGL KCMS15	G40
6350598	B212A09000SGL KCMS15	G40
6350599	B212A09500SGL KCMS15	G40
6350600	B212A10000SGL KCMS15	G40
6350601	B212A10200SGL KCMS15	G40
6350602	B212A10500SGL KCMS15	G40
6350603	B212A11000SGL KCMS15	G40
6350604	B212A11800SGL KCMS15	G40
6350605	B212A12000SGL KCMS15	G40
6350606	B212A12500SGL KCMS15	G40
6350607	B212A13000SGL KCMS15	G40
6350608	B212A13500SGL KCMS15	G40
6350609	B212A14000SGL KCMS15	G40
6351164	B271Z02500SGL KCMS20	G74
6351166	B271Z03000SGL KCMS20	G74
6351168	B271Z03175SGL KCMS20	G74
6351170	B271Z03500SGL KCMS20	G74
6351172	B271Z03970SGL KCMS20	G74
6351174	B271Z04000SGL KCMS20	G74
6351176	B271Z04500SGL KCMS20	G74
6351178	B271Z04763SGL KCMS20	G74
6351179	B273Z02500SGL KCMS20	G78
6351191	B271Z04800SGL KCMS20	G74
6351192	B273Z03000SGL KCMS20	G78
6351194	B271Z05000SGL KCMS20	G74
6351195	B273Z03175SGL KCMS20	G78
6351197	B271Z05500SGL KCMS20	G74
6351198	B273Z03500SGL KCMS20	G78
6351200	B271Z05558SGL KCMS20	G74
6351201	B273Z04000SGL KCMS20	G78
6351203	B271Z06000SGL KCMS20	G74
6351204	B273Z04500SGL KCMS20	G78
6351206	B271Z06350SGL KCMS20	G74
6351207	B273Z05000SGL KCMS20	G78
6351209	B271Z06500SGL KCMS20	G75
6351210	B273Z05500SGL KCMS20	G78
6351212	B271Z06746SGL KCMS20	G75
6351213	B273Z06000SGL KCMS20	G78
6351215	B271Z07000SGL KCMS20	G75
6351216	B273Z06500SGL KCMS20	G78
6351218	B271Z07145SGL KCMS20	G75
6351219	B273Z07000SGL KCMS20	G78
6351221	B271Z07500SGL KCMS20	G75
6351222	B273Z08000SGL KCMS20	G78
6351224	B271Z07938SGL KCMS20	G75
6351225	B273Z08500SGL KCMS20	G78
6351227	B271Z08000SGL KCMS20	G75
6351228	B273Z09000SGL KCMS20	G78
6351230	B271Z08500SGL KCMS20	G75
6351231	B273Z10000SGL KCMS20	G78
6351233	B271Z08733SGL KCMS20	G75
6351234	B273Z11000SGL KCMS20	G78
6351236	B271Z09000SGL KCMS20	G75
6351237	B273Z12000SGL KCMS20	G78
6351239	B271Z09525SGL KCMS20	G75
6351240	B273Z13000SGL KCMS20	G78
6351242	B271Z10000SGL KCMS20	G75
6351243	B273Z13500SGL KCMS20	G78
6351245	B271Z10320SGL KCMS20	G75
6351246	B273Z14000SGL KCMS20	G78
6351248	B271Z10500SGL KCMS20	G75
6351249	B273Z15000SGL KCMS20	G78
6351251	B271Z11000SGL KCMS20	G75
6351252	B273Z16000SGL KCMS20	G78
6351254	B271Z11113SGL KCMS20	G75
6351255	B274Z02500SGL KCMS20	G79
6351257	B271Z11500SGL KCMS20	G75
6351258	B274Z03000SGL KCMS20	G79
6351260	B271Z12000SGL KCMS20	G75
6351261	B274Z03175SGL KCMS20	G79
6351263	B271Z12700SGL KCMS20	G75
6351264	B274Z03500SGL KCMS20	G79
6351266	B271Z14000SGL KCMS20	G75
6351267	B274Z03970SGL KCMS20	G79
6351269	B271Z14500SGL KCMS20	G75
6351270	B274Z04000SGL KCMS20	G79
6351272	B271Z15000SGL KCMS20	G75
6351273	B274Z04500SGL KCMS20	G79
6351275	B271Z16000SGL KCMS20	G75
6351276	B274Z04763SGL KCMS20	G79
6351278	B272Z02500SGL KCMS20	G76
6351279	B274Z05000SGL KCMS20	G79
6351281	B272Z03000SGL KCMS20	G76
6351282	B274Z05100SGL KCMS20	G79
6351284	B272Z03175SGL KCMS20	G76
6351285	B274Z05500SGL KCMS20	G79
6351287	B272Z03500SGL KCMS20	G76
6351288	B274Z05558SGL KCMS20	G79
6351290	B272Z03970SGL KCMS20	G76
6351301	B274Z06000SGL KCMS20	G79
6351303	B272Z04000SGL KCMS20	G76
6351304	B274Z06350SGL KCMS20	G79
6351306	B272Z04500SGL KCMS20	G76
6351307	B274Z06500SGL KCMS20	G79
6351309	B272Z04763SGL KCMS20	G76
6351310	B274Z06746SGL KCMS20	G79
6351312	B272Z04800SGL KCMS20	G76
6351313	B274Z07000SGL KCMS20	G79
6351315	B272Z05000SGL KCMS20	G76
6351316	B274Z07145SGL KCMS20	G79
6351318	B272Z05500SGL KCMS20	G76
6351319	B274Z07500SGL KCMS20	G79
6351321	B272Z05558SGL KCMS20	G76
6351322	B274Z07938SGL KCMS20	G80
6351324	B272Z05800SGL KCMS20	G76
6351325	B274Z08000SGL KCMS20	G80
6351327	B272Z06000SGL KCMS20	G76
6351328	B274Z08500SGL KCMS20	G80
6351330	B272Z06350SGL KCMS20	G76
6351331	B274Z08733SGL KCMS20	G80
6351333	B272Z06500SGL KCMS20	G76
6351334	B274Z09000SGL KCMS20	G80
6351336	B274Z09129SGL KCMS20	G80
6351337	B272Z06746SGL KCMS20	G76
6351339	B274Z09525SGL KCMS20	G80
6351340	B272Z07000SGL KCMS20	G77
6351342	B274Z10000SGL KCMS20	G80
6351343	B272Z07145SGL KCMS20	G77
6351345	B274Z10500SGL KCMS20	G80
6351346	B272Z07500SGL KCMS20	G77
6351348	B274Z11000SGL KCMS20	G80
6351349	B272Z07938SGL KCMS20	G77
6351351	B272Z08000SGL KCMS20	G77
6351352	B274Z11500SGL KCMS20	G80
6351354	B272Z08500SGL KCMS20	G77
6351355	B274Z12000SGL KCMS20	G80
6351357	B272Z08733SGL KCMS20	G77
6351358	B274Z12700SGL KCMS20	G80
6351360	B272Z09000SGL KCMS20	G77
6351361	B274Z13000SGL KCMS20	G80
6351363	B272Z09525SGL KCMS20	G77
6351364	B274Z13500SGL KCMS20	G80
6351366	B272Z10000SGL KCMS20	G77
6351367	B274Z14000SGL KCMS20	G80
6351369	B272Z10320SGL KCMS20	G77
6351370	B274Z15000SGL KCMS20	G80
6351372	B272Z10500SGL KCMS20	G77
6351373	B275Z02500SGL KCMS20	G81
6351375	B275Z03000SGL KCMS20	G81
6351376	B272Z10716SGL KCMS20	G77
6351378	B272Z11000SGL KCMS20	G77
6351379	B275Z03175SGL KCMS20	G81
6351381	B272Z11113SGL KCMS20	G77
6351382	B275Z03500SGL KCMS20	G81
6351384	B275Z03571SGL KCMS20	G81
6351385	B272Z11500SGL KCMS20	G77
6351387	B275Z03970SGL KCMS20	G81
6351388	B272Z12000SGL KCMS20	G77
6351390	B275Z04000SGL KCMS20	G81
6351391	B272Z12500SGL KCMS20	G77
6351393	B275Z04200SGL KCMS20	G81
6351394	B272Z12700SGL KCMS20	G77
6351396	B275Z04500SGL KCMS20	G81
6351397	B272Z13000SGL KCMS20	G77
6351399	B272Z14000SGL KCMS20	G77
6351400	B275Z04763SGL KCMS20	G81
6351412	B272Z14500SGL KCMS20	G77
6351413	B275Z05000SGL KCMS20	G81
6351415	B272Z15000SGL KCMS20	G77
6351416	B275Z05500SGL KCMS20	G81
6351418	B272Z15500SGL KCMS20	G77
6351419	B275Z05558SGL KCMS20	G81
6351431	B272Z16000SGL KCMS20	G77
6351432	B275Z06000SGL KCMS20	G81
6351434	B275Z06350SGL KCMS20	G81
6351436	B275Z06500SGL KCMS20	G81
6351438	B275Z06800SGL KCMS20	G81
6351440	B275Z07000SGL KCMS20	G81
6351442	B275Z07145SGL KCMS20	G81
6351444	B275Z07500SGL KCMS20	G81
6351446	B275Z07938SGL KCMS20	G81
6351448	B275Z08000SGL KCMS20	G81
6351450	B275Z08500SGL KCMS20	G81
6351452	B275Z08733SGL KCMS20	G81
6351454	B275Z09000SGL KCMS20	G81
6351456	B275Z09525SGL KCMS20	G81
6351458	B275Z10000SGL KCMS20	G81
6351460	B275Z10200SGL KCMS20	G81
6351462	B275Z10320SGL KCMS20	G81
6351464	B275Z11000SGL KCMS20	G81
6353749	TNMG270616RP KCU10	B128
6356820	HNGF090504MF KCK15	S98
6356881	HNGF090504MF KCK20	S98
6358121	B210A03000SGL KCMS15	G38
6358122	B210A03048SGL KCMS15	G38
6358123	B210A03264SGL KCMS15	G38
6358124	B210A03175SGL KCMS15	G38
6358125	B210A03200SGL KCMS15	G38
6358126	B210A03300SGL KCMS15	G38
6358127	B210A03400SGL KCMS15	G38
6358128	B210A03455SGL KCMS15	G38
6358129	B210A03500SGL KCMS15	G38
6358130	B210A03700SGL KCMS15	G38
6358141	B210A03800SGL KCMS15	G38
6358142	B210A04000SGL KCMS15	G38
6358143	B210A04100SGL KCMS15	G38
6358144	B210A04200SGL KCMS15	G38
6358145	B210A04300SGL KCMS15	G38
6358146	B210A04366SGL KCMS15	G38

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6358147	B210A04500SGL KCMS15	G38
6358148	B210A04700SGL KCMS15	G38
6358149	B210A04800SGL KCMS15	G39
6358150	B210A04900SGL KCMS15	G39
6358151	B210A05000SGL KCMS15	G39
6358152	B210A05100SGL KCMS15	G39
6358153	B210A05106SGL KCMS15	G39
6358154	B210A05159SGL KCMS15	G39
6358155	B210A05200SGL KCMS15	G39
6358156	B210A05300SGL KCMS15	G39
6358157	B210A05400SGL KCMS15	G39
6358158	B210A05500SGL KCMS15	G39
6358159	B210A05616SGL KCMS15	G39
6358160	B210A05800SGL KCMS15	G39
6358161	B210A05954SGL KCMS15	G39
6358162	B210A06000SGL KCMS15	G39
6358163	B210A06100SGL KCMS15	G39
6358164	B210A06200SGL KCMS15	G39
6358165	B210A06300SGL KCMS15	G39
6358166	B210A06350SGL KCMS15	G39
6358167	B210A06400SGL KCMS15	G39
6358168	B210A06500SGL KCMS15	G39
6358169	B210A06700SGL KCMS15	G39
6358170	B210A06800SGL KCMS15	G39
6358171	B210A06900SGL KCMS15	G39
6358172	B210A07000SGL KCMS15	G39
6358173	B210A07100SGL KCMS15	G39
6358174	B210A07145SGL KCMS15	G39
6358175	B210A07400SGL KCMS15	G39
6358176	B210A07500SGL KCMS15	G39
6358177	B210A07800SGL KCMS15	G39
6358178	B210A07938SGL KCMS15	G39
6358179	B210A08000SGL KCMS15	G39
6358180	B210A08100SGL KCMS15	G39
6358181	B210A08200SGL KCMS15	G39
6358182	B210A08400SGL KCMS15	G39
6358183	B210A08433SGL KCMS15	G39
6358184	B210A08500SGL KCMS15	G39
6358185	B210A08600SGL KCMS15	G39
6358186	B210A08700SGL KCMS15	G40
6358187	B210A08800SGL KCMS15	G40
6358188	B210A09000SGL KCMS15	G40
6358189	B210A09093SGL KCMS15	G40
6358190	B210A09500SGL KCMS15	G40
6358191	B210A09700SGL KCMS15	G40
6358192	B210A09800SGL KCMS15	G40
6358193	B210A09921SGL KCMS15	G40
6358194	B210A10000SGL KCMS15	G40
6358195	B210A10200SGL KCMS15	G40
6358196	B210A10400SGL KCMS15	G40
6358197	B210A10500SGL KCMS15	G40
6358198	B210A10716SGL KCMS15	G40
6358199	B210A10800SGL KCMS15	G40
6358200	B210A11000SGL KCMS15	G40
6358201	B210A11200SGL KCMS15	G40
6358202	B210A11500SGL KCMS15	G40
6358203	B210A11509SGL KCMS15	G40
6358204	B210A12000SGL KCMS15	G40
6358205	B210A12200SGL KCMS15	G40
6358206	B210A12304SGL KCMS15	G40
6358207	B210A12500SGL KCMS15	G40
6358208	B210A12700SGL KCMS15	G40
6358209	B210A12800SGL KCMS15	G40
6358210	B210A13000SGL KCMS15	G40
6358211	B210A13495SGL KCMS15	G40
6358212	B210A13500SGL KCMS15	G40
6358213	B210A14000SGL KCMS15	G40
6358214	B210A14100SGL KCMS15	G40
6358215	B210A14200SGL KCMS15	G41
6358216	B210A14500SGL KCMS15	G41
6358217	B210A15000SGL KCMS15	G41
6358218	B210A15500SGL KCMS15	G41
6358219	B210A15875SGL KCMS15	G41
6358220	B210A16000SGL KCMS15	G41
6358221	B210A16129SGL KCMS15	G41
6358222	B210A16500SGL KCMS15	G41
6358223	B210A16670SGL KCMS15	G41
6358224	B210A17000SGL KCMS15	G41
6358225	B210A17500SGL KCMS15	G41
6358226	B210A18000SGL KCMS15	G41
6358227	B210A18500SGL KCMS15	G41
6358228	B210A19050SGL KCMS15	G41
6358229	B210A19500SGL KCMS15	G41
6358230	B210A20000SGL KCMS15	G41
6358241	B210Z02500SGL KCMS15	G38
6358971	B941Z02500 KC7315	G126
6358972	B941A03000 KC7315	G126
6358973	B941A03300 KC7315	G126
6358974	B941A03400 KC7315	G126
6358975	B941A03500 KC7315	G126
6358976	B941A04000 KC7315	G126
6358977	B941A04200 KC7315	G126
6358978	B941A04300 KC7315	G126
6358979	B941A04500 KC7315	G126
6358980	B941A05000 KC7315	G126
6358981	B941A05100 KC7315	G126
6358982	B941A05200 KC7315	G126
6358983	B941A05500 KC7315	G126
6358984	B941A05600 KC7315	G126
6358985	B941A06000 KC7315	G126
6358986	B941A06900 KC7315	G126
6358987	B941A07000 KC7315	G126
6358988	B941A07100 KC7315	G126
6358989	B941A08000 KC7315	G126
6358990	B941A08500 KC7315	G126
6358991	B941A08600 KC7315	G126
6358992	B941A09000 KC7315	G126
6358993	B941A10000 KC7315	G126
6358994	B941A10200 KC7315	G126
6358995	B941A10400 KC7315	G126
6358996	B941A10500 KC7315	G126
6358997	B941A11100 KC7315	G126
6358998	B941A12000 KC7315	G126
6358999	B941A14000 KC7315	G126
6359000	B951A03000 KC7315	G127
6359011	B951A03175 KC7315	G127
6359012	B951A03454 KC7315	G127
6359013	B951A03500 KC7315	G127
6359014	B951A03800 KC7315	G127
6359015	B951A04000 KC7315	G127
6359016	B951A04100 KC7315	G127
6359017	B951A04200 KC7315	G127
6359018	B951A04300 KC7315	G127
6359019	B951A04500 KC7315	G127
6359020	B951A04800 KC7315	G127
6359021	B951A04900 KC7315	G127
6359022	B951A05000 KC7315	G127
6359023	B951A05500 KC7315	G127
6359024	B951A05800 KC7315	G127
6359025	B951A06000 KC7315	G127
6359026	B951A06350 KC7315	G127
6359027	B951A06500 KC7315	G127
6359028	B951A06800 KC7315	G127
6359029	B951A07000 KC7315	G127
6359030	B951A08000 KC7315	G127
6359031	B951A08500 KC7315	G127
6359032	B951A09000 KC7315	G127
6359033	B951A09500 KC7315	G127
6359034	B951A09800 KC7315	G127
6359035	B951A10000 KC7315	G127
6359036	B951A10200 KC7315	G127
6359037	B951A10500 KC7315	G127
6359038	B951A10800 KC7315	G128
6359039	B951A11000 KC7315	G128
6359040	B951A11500 KC7315	G128
6359041	B951A11800 KC7315	G128
6359042	B951A12000 KC7315	G128
6359043	B951A12500 KC7315	G128
6359044	B951A12700 KC7315	G128
6359045	B951A12800 KC7315	G128
6359046	B951A13000 KC7315	G128
6359047	B951A13500 KC7315	G128
6359048	B951A14000 KC7315	G128
6359049	B951A14500 KC7315	G128
6359050	B951A15500 KC7315	G128
6359051	B951A16000 KC7315	G128
6370147	KTFST16000HPCM KC7410	H13
6370148	KTFST16104HPCM KC7410	H13
6370149	KTFST16100HPCM KC7410	H13
6370150	KTFST16200HPCM KC7410	H13
6370351	KTFST16271HPCM KC7410	H13
6370352	KTFST16300HPCM KC7410	H13
6370353	KTFST16500HPCM KC7410	H13
6370354	KTFST16550HPCM KC7410	H13
6370355	KTFST16600HPCM KC7410	H13
6370356	KTFST16670HPCM KC7410	H13
6370357	KTFST17000HPCM KC7410	H13
6370358	KTFST17066HPCM KC7410	H13
6370359	KTFST17100HPCM KC7410	H13
6370360	KTFST17200HPCM KC7410	H13
6370361	KTFST17300HPCM KC7410	H13
6370362	KTFST17463HPCM KC7410	H13
6370363	KTFST17500HPCM KC7410	H13
6370364	KTFST17550HPCM KC7410	H13
6370365	KTFST17600HPCM KC7410	H13
6370366	KTFST17700HPCM KC7410	H13
6370367	KTFST17800HPCM KC7410	H13
6370368	KTFST18000HPCM KC7410	H13
6370369	KTFST18100HPCM KC7410	H13
6370370	KTFST18258HPCM KC7410	H13
6370381	KTFST18500HPCM KC7410	H13
6370382	KTFST18600HPCM KC7410	H13
6370383	KTFST18700HPCM KC7410	H13
6370384	KTFST19000HPCM KC7410	H13
6370385	KTFST19050HPCM KC7410	H13
6370386	KTFST19279HPCM KC7410	H13
6370387	KTFST19446HPCM KC7410	H13
6370388	KTFST19500HPCM KC7410	H13
6370389	KTFST19800HPCM KC7410	H13
6370390	KTFST20000HPCM KC7410	H13
6370401	KTFST20241HPCM KC7410	H13
6370402	KTFST20300HPCM KC7410	H13
6370403	KTFST20500HPCM KC7410	H13
6370404	KTFST20638HPCM KC7410	H13
6370405	KTFST21000HPCM KC7410	H13
6370406	KTFST21433HPCM KC7410	H13
6370407	KTFST21500HPCM KC7410	H13
6370408	KTFST22000HPCM KC7410	H13
6370409	KTFST22225HPCM KC7410	H13
6370410	KTFST22440HPCM KC7410	H13
6370411	KTFST22500HPCM KC7410	H13
6370412	KTFST23000HPCM KC7410	H13
6370413	KTFST23416HPCM KC7410	H13
6370414	KTFST23500HPCM KC7410	H13
6370415	KTFST23813HPCM KC7410	H13
6370416	KTFST24000HPCM KC7410	H13
6370417	KTFST24500HPCM KC7410	H13
6370418	KTFST24608HPCM KC7410	H13
6370419	KTFST25000HPCM KC7410	H13
6370420	KTFST25070HPCM KC7410	H13
6370421	KTFST25400HPCM KC7410	H13
6370422	KTFST25500HPCM KC7410	H13
6370423	KTFST25679HPCM KC7410	H13
6370424	KTFST25806HPCM KC7410	H13
6370425	KTFST26000HPCM KC7410	H13
6370700	KTFST06000HPCM KC7410	H12
6370871	KTFST06200HPCM KC7410	H12
6370872	KTFST06350HPCM KC7410	H12
6370873	KTFST06500HPCM KC7410	H12
6370874	KTFST06530HPCM KC7410	H12
6370875	KTFST06746HPCM KC7410	H12
6370876	KTFST06700HPCM KC7410	H12
6370877	KTFST06800HPCM KC7410	H12
6370878	KTFST07000HPCM KC7410	H12
6370879	KTFST07145HPCM KC7410	H12
6370880	KTFST07300HPCM KC7410	H12
6370881	KTFST07500HPCM KC7410	H12
6370882	KTFST07600HPCM KC7410	H12
6370883	KTFST07800HPCM KC7410	H12
6370884	KTFST07938HPCM KC7410	H12
6370885	KTFST08000HPCM KC7410	H12
6370886	KTFST08100HPCM KC7410	H12
6370887	KTFST08204HPCM KC7410	H12
6370888	KTFST08500HPCM KC7410	H12
6370889	KTFST08600HPCM KC7410	H12
6370890	KTFST08700HPCM KC7410	H12
6370891	KTFST08733HPCM KC7410	H12
6370892	KTFST09000HPCM KC7410	H12
6370893	KTFST09100HPCM KC7410	H12
6370894	KTFST09500HPCM KC7410	H12
6370895	KTFST09525HPCM KC7410	H12
6370896	KTFST09600HPCM KC7410	H12
6370897	KTFST09700HPCM KC7410	H12
6370898	KTFST09800HPCM KC7410	H12
6370899	KTFST09921HPCM KC7410	H12
6370900	KTFST10000HPCM KC7410	H12
6370901	KTFST10023HPCM KC7410	H12
6370902	KTFST10200HPCM KC7410	H12
6370903	KTFST10300HPCM KC7410	H12
6370904	KTFST10320HPCM KC7410	H12
6370905	KTFST10500HPCM KC7410	H12
6370906	KTFST16000HPLM KCMS15	H15
6370907	KTFST16104HPLM KCMS15	H15
6370908	KTFST10600HPCM KC7410	H12
6370909	KTFST16100HPLM KCMS15	H15
6370910	KTFST10700HPCM KC7410	H12
6370911	KTFST16150HPLM KCMS15	H15
6370912	KTFST10716HPCM KC7410	H12
6370913	KTFST16271HPLM KCMS15	H15
6370914	KTFST10800HPCM KC7410	H12
6370915	KTFST11000HPCM KC7410	H12
6370916	KTFST16500HPLM KCMS15	H15
6370917	KTFST11100HPCM KC7410	H12
6370918	KTFST16670HPLM KCMS15	H15
6370919	KTFST11113HPCM KC7410	H12
6370920	KTFST17000HPLM KCMS15	H15
6370921	KTFST11400HPCM KC7410	H12
6370922	KTFST17463HPLM KCMS15	H15
6370923	KTFST11500HPCM KC7410	H12
6370924	KTFST17480HPLM KCMS15	H15
6370925	KTFST11800HPCM KC7410	H12
6370926	KTFST17500HPLM KCMS15	H15
6370927	KTFST17700HPLM KCMS15	H15
6370928	KTFST11908HPCM KC7410	H12
6370929	KTFST18000HPLM KCMS15	H15
6370930	KTFST12000HPCM KC7410	H12
6370931	KTFST18258HPLM KCMS15	H15
6370932	KTFST12304HPCM KC7410	H12
6370933	KTFST18500HPLM KCMS15	H15
6370934	KTFST12500HPCM KC7410	H12
6370935	KTFST18654HPLM KCMS15	H15
6370936	KTFST12700HPCM KC7410	H12
6370937	KTFST19000HPLM KCMS15	H15
6370938	KTFST13000HPCM KC7410	H12
6370939	KTFST19050HPLM KCMS15	H15
6370940	KTFST13096HPCM KC7410	H12
6370941	KTFST19200HPLM KCMS15	H15
6370942	KTFST19228HPLM KCMS15	H15
6370943	KTFST13200HPCM KC7410	H12
6370944	KTFST19253HPLM KCMS15	H15
6370945	KTFST13300HPCM KC7410	H12
6370946	KTFST13492HPCM KC7410	H12
6370947	KTFST19279HPLM KCMS15	H15
6370948	KTFST13500HPCM KC7410	H12
6370949	KTFST19355HPLM KCMS15	H15
6370950	KTFST13600HPCM KC7410	H12
6370951	KTFST19446HPLM KCMS15	H15
6370952	KTFST13800HPCM KC7410	H12
6370953	KTFST19460HPLM KCMS15	H15
6370954	KTFST13891HPCM KC7410	H12
6370955	KTFST19500HPLM KCMS15	H15
6370956	KTFST06000HPLM KCMS15	H14
6370957	KTFST19845HPLM KCMS15	H15
6370958	KTFST14000HPCM KC7410	H12
6370959	KTFST19850HPLM KCMS15	H15
6370960	KTFST14100HPCM KC7410	H12
6370971	KTFST06350HPLM KCMS15	H14
6370972	KTFST20000HPLM KCMS15	H15
6370973	KTFST14288HPCM KC7410	H12
6370974	KTFST06500HPLM KCMS15	H14
6370975	KTFST20500HPLM KCMS15	H15
6370976	KTFST14500HPCM KC7410	H12
6370977	KTFST06629HPLM KCMS15	H14
6370978	KTFST20638HPLM KCMS15	H15
6370979	KTFST14600HPCM KC7410	H12
6370980	KTFST06800HPLM KCMS15	H14
6370981	KTFST21000HPLM KCMS15	H15
6370982	KTFST21150HPLM KCMS15	H15
6370983	KTFST07000HPLM KCMS15	H14
6370984	KTFST14684HPCM KC7410	H12
6370985	KTFST21500HPLM KCMS15	H15
6370986	KTFST07500HPLM KCMS15	H14
6370987	KTFST07800HPLM KCMS15	H14
6370988	KTFST22000HPLM KCMS15	H15
6370989	KTFST14800HPCM KC7410	H12
6370990	KTFST07938HPLM KCMS15	H14
6370991	KTFST22225HPLM KCMS15	H15
6370992	KTFST08000HPLM KCMS15	H14

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6370993	KTFST22500HPLM KCMS15	H15
6370994	KTFST08100HPLM KCMS15	H14
6370995	KTFST15000HPCM KC7410	H12
6370996	KTFST23000HPLM KCMS15	H15
6370997	KTFST08204HPLM KCMS15	H14
6370998	KTFST15083HPCM KC7410	H12
6370999	KTFST23500HPLM KCMS15	H15
6371000	KTFST08334HPLM KCMS15	H14
6371001	KTFST15100HPCM KC7410	H12
6371002	KTFST23813HPLM KCMS15	H15
6371003	KTFST08400HPLM KCMS15	H14
6371004	KTFST15200HPCM KC7410	H12
6371005	KTFST24000HPLM KCMS15	H15
6371006	KTFST08500HPLM KCMS15	H14
6371007	KTFST15300HPCM KC7410	H12
6371008	KTFST24500HPLM KCMS15	H15
6371009	KTFST08600HPLM KCMS15	H14
6371010	KTFST15500HPCM KC7410	H13
6371011	KTFST25000HPLM KCMS15	H15
6371012	KTFST08700HPLM KCMS15	H14
6371013	KTFST15600HPCM KC7410	H13
6371014	KTFST25400HPLM KCMS15	H15
6371015	KTFST08800HPLM KCMS15	H14
6371016	KTFST15800HPCM KC7410	H13
6371017	KTFST25500HPLM KCMS15	H15
6371018	KTFST08900HPLM KCMS15	H14
6371019	KTFST15875HPCM KC7410	H13
6371020	KTFST25600HPLM KCMS15	H15
6371031	KTFST09000HPLM KCMS15	H14
6371032	KTFST25650HPLM KCMS15	H15
6371033	KTFST09100HPLM KCMS15	H14
6371034	KTFST25679HPLM KCMS15	H15
6371035	KTFST09200HPLM KCMS15	H14
6371036	KTFST25806HPLM KCMS15	H15
6371037	KTFST09400HPLM KCMS15	H14
6371038	KTFST26000HPLM KCMS15	H15
6371039	KTFST09500HPLM KCMS15	H14
6371040	KTFST09558HPLM KCMS15	H14
6371041	KTFST09600HPLM KCMS15	H14
6371042	KTFST09700HPLM KCMS15	H14
6371043	KTFST09800HPLM KCMS15	H14
6371044	KTFST09900HPLM KCMS15	H14
6371045	KTFST10000HPLM KCMS15	H14
6371046	KTFST10100HPLM KCMS15	H14
6371047	KTFST10200HPLM KCMS15	H14
6371048	KTFST10300HPLM KCMS15	H14
6371049	KTFST10320HPLM KCMS15	H14
6371050	KTFST10400HPLM KCMS15	H14
6371051	KTFST10500HPLM KCMS15	H14
6371052	KTFST10600HPLM KCMS15	H14
6371053	KTFST10700HPLM KCMS15	H14
6371054	KTFST10800HPLM KCMS15	H14
6371055	KTFST10900HPLM KCMS15	H14
6371056	KTFST11000HPLM KCMS15	H14
6371057	KTFST11100HPLM KCMS15	H14
6371058	KTFST11113HPLM KCMS15	H14
6371059	KTFST11200HPLM KCMS15	H14
6371060	KTFST11400HPLM KCMS15	H14
6371061	KTFST11500HPLM KCMS15	H14
6371062	KTFST11600HPLM KCMS15	H14
6371063	KTFST11800HPLM KCMS15	H14
6371064	KTFST11908HPLM KCMS15	H14
6371065	KTFST12000HPLM KCMS15	H14
6371066	KTFST12200HPLM KCMS15	H14
6371067	KTFST12304HPLM KCMS15	H14
6371068	KTFST12500HPLM KCMS15	H14
6371069	KTFST12700HPLM KCMS15	H14
6371070	KTFST12800HPLM KCMS15	H14
6371071	KTFST12900HPLM KCMS15	H14
6371072	KTFST13000HPLM KCMS15	H14
6371073	KTFST13096HPLM KCMS15	H14
6371074	KTFST13200HPLM KCMS15	H14
6371075	KTFST13492HPLM KCMS15	H14
6371076	KTFST13500HPLM KCMS15	H14
6371077	KTFST13800HPLM KCMS15	H14
6371078	KTFST13891HPLM KCMS15	H14
6371079	KTFST13896HPLM KCMS15	H14
6371080	KTFST14000HPLM KCMS15	H14
6371081	KTFST14100HPLM KCMS15	H14
6371082	KTFST14200HPLM KCMS15	H14
6371083	KTFST14288HPLM KCMS15	H14
6371084	KTFST14300HPLM KCMS15	H14
6371085	KTFST14400HPLM KCMS15	H14
6371086	KTFST14500HPLM KCMS15	H14
6371087	KTFST14684HPLM KCMS15	H14
6371088	KTFST14800HPLM KCMS15	H15
6371089	KTFST15000HPLM KCMS15	H15
6371090	KTFST15100HPLM KCMS15	H15
6371111	KTFST15200HPLM KCMS15	H15
6371112	KTFST15500HPLM KCMS15	H15
6371113	KTFST15875HPLM KCMS15	H15
6371340	KTFS100R03SS12M	H16
6371961	KTFS105R03SS12M	H16
6371962	KTFS110R03SS12M	H16
6371963	KTFS115R03SS12M	H16
6371964	KTFS120R03SS14M	H16
6371965	KTFS125R03SS14M	H16
6371966	KTFS130R03SS14M	H16
6371967	KTFS135R03SS14M	H16
6371968	KTFS140R03SS16M	H16
6371969	KTFS145R03SS16M	H16
6371970	KTFS150R03SS16M	H16
6371971	KTFS160R03SS16M	H16
6371972	KTFS170R03SS20M	H16
6371973	KTFS100R05SS12M	H16
6371974	KTFS105R05SS12M	H16
6371975	KTFS110R05SS12M	H16
6371976	KTFS115R05SS12M	H16
6371977	KTFS120R05SS14M	H16
6371978	KTFS125R05SS14M	H16
6371979	KTFS130R05SS14M	H16
6371980	KTFS135R05SS14M	H16
6371981	KTFS140R05SS16M	H16
6371982	KTFS145R05SS16M	H16
6371983	KTFS150R05SS16M	H16
6371984	KTFS160R05SS16M	H16
6371985	KTFS170R05SS20M	H16
6371986	KTFS100R08SS12M	H16
6371987	KTFS105R08SS12M	H16
6371988	KTFS110R08SS12M	H16
6371989	KTFS115R08SS12M	H16
6371990	KTFS120R08SS14M	H16
6371991	KTFS125R08SS14M	H16
6371992	KTFS130R08SS14M	H16
6371993	KTFS135R08SS14M	H16
6371994	KTFS140R08SS16M	H16
6371995	KTFS145R08SS16M	H16
6371996	KTFS150R08SS16M	H16
6371997	KTFS160R08SS16M	H16
6371999	KTFS170R08SS20M	H16
6372514	KTFS100R03SCF16M	H17
6372515	KTFS105R03SCF16M	H17
6372516	KTFS110R03SCF16M	H17
6372517	KTFS115R03SCF16M	H17
6372518	KTFS120R03SCF16M	H17
6372519	KTFS125R03SCF16M	H17
6372520	KTFS130R03SCF16M	H17
6372591	KTFS135R03SCF16M	H17
6372592	KTFS140R03SCF16M	H17
6372593	KTFS145R03SCF16M	H17
6372594	KTFS150R03SCF20M	H17
6372595	KTFS160R03SCF20M	H17
6372596	KTFS170R03SCF20M	H17
6372597	KTFS100R05SCF16M	H17
6372598	KTFS105R05SCF16M	H17
6372599	KTFS110R05SCF16M	H17
6372600	KTFS115R05SCF16M	H17
6372601	KTFS120R05SCF16M	H17
6372602	KTFS125R05SCF16M	H17
6372603	KTFS130R05SCF16M	H17
6372604	KTFS135R05SCF16M	H17
6372605	KTFS140R05SCF16M	H17
6372606	KTFS145R05SCF16M	H17
6372607	KTFS150R05SCF20M	H17
6372608	KTFS160R05SCF20M	H17
6372609	KTFS170R05SCF20M	H17
6372610	KTFS100R08SCF16M	H17
6372611	KTFS105R08SCF16M	H17
6372612	KTFS110R08SCF16M	H17
6372613	KTFS115R08SCF16M	H17
6372614	KTFS120R08SCF16M	H17
6372615	KTFS125R08SCF16M	H17
6372616	KTFS130R08SCF16M	H17
6372617	KTFS135R08SCF16M	H17
6372618	KTFS140R08SCF16M	H17
6372619	KTFS145R08SCF16M	H17
6372620	KTFS150R08SCF20M	H17
6372621	KTFS160R08SCF20M	H17
6372622	KTFS170R08SCF20M	H17
6388420	KTFSS16000HPGM KCP15A	H9
6388531	KTFSS16027HPGM KCP15A	H9
6388532	KTFSS16080HPGM KCP15A	H9
6388533	KTFSS16104HPGM KCP15A	H9
6388534	KTFSS16100HPGM KCP15A	H9
6388535	KTFSS16200HPGM KCP15A	H9
6388536	KTFSS16271HPGM KCP15A	H9
6388537	KTFSS16300HPGM KCP15A	H9
6388538	KTFSS16400HPGM KCP15A	H9
6388539	KTFSS06000HPGM KCP15A	H8
6388540	KTFSS16500HPGM KCP15A	H9
6388541	KTFSS06100HPGM KCP15A	H8
6388542	KTFSS16600HPGM KCP15A	H9
6388543	KTFSS06200HPGM KCP15A	H8
6388544	KTFSS16670HPGM KCP15A	H9
6388545	KTFSS06300HPGM KCP15A	H8
6388546	KTFSS16700HPGM KCP15A	H9
6388547	KTFSS06350HPGM KCP15A	H8
6388548	KTFSS16800HPGM KCP15A	H9
6388549	KTFSS06400HPGM KCP15A	H8
6388550	KTFSS16900HPGM KCP15A	H9
6388551	KTFSS06500HPGM KCP15A	H8
6388552	KTFSS17000HPGM KCP15A	H9
6388553	KTFSS06530HPGM KCP15A	H8
6388554	KTFSS17066HPGM KCP15A	H9
6388555	KTFSS06600HPGM KCP15A	H8
6388556	KTFSS17100HPGM KCP15A	H9
6388557	KTFSS06629HPGM KCP15A	H8
6388558	KTFSS17200HPGM KCP15A	H9
6388559	KTFSS06700HPGM KCP15A	H8
6388560	KTFSS17300HPGM KCP15A	H9
6388561	KTFSS06746HPGM KCP15A	H8
6388562	KTFSS17400HPGM KCP15A	H9
6388563	KTFSS06800HPGM KCP15A	H8
6388564	KTFSS17463HPGM KCP15A	H9
6388565	KTFSS06900HPGM KCP15A	H8
6388566	KTFSS17480HPGM KCP15A	H9
6388567	KTFSS06909HPGM KCP15A	H8
6388568	KTFSS17500HPGM KCP15A	H9
6388569	KTFSS07000HPGM KCP15A	H8
6388570	KTFSS17600HPGM KCP15A	H9
6388571	KTFSS07100HPGM KCP15A	H8
6388572	KTFSS17700HPGM KCP15A	H9
6388573	KTFSS07145HPGM KCP15A	H8
6388574	KTFSS17800HPGM KCP15A	H9
6388575	KTFSS17859HPGM KCP15A	H9
6388576	KTFSS07200HPGM KCP15A	H8
6388577	KTFSS17900HPGM KCP15A	H9
6388578	KTFSS07366HPGM KCP15A	H8
6388579	KTFSS18000HPGM KCP15A	H9
6388580	KTFSS07400HPGM KCP15A	H8
6388581	KTFSS18100HPGM KCP15A	H9
6388582	KTFSS07500HPGM KCP15A	H8
6388583	KTFSS18200HPGM KCP15A	H9
6388584	KTFSS07541HPGM KCP15A	H8
6388585	KTFSS18258HPGM KCP15A	H9
6388586	KTFSS07600HPGM KCP15A	H8
6388587	KTFSS18300HPGM KCP15A	H9
6388588	KTFSS07700HPGM KCP15A	H8
6388589	KTFSS18400HPGM KCP15A	H9
6388590	KTFSS07800HPGM KCP15A	H8
6388591	KTFSS18500HPGM KCP15A	H9
6388592	KTFSS07900HPGM KCP15A	H8
6388593	KTFSS18600HPGM KCP15A	H9
6388594	KTFSS07938HPGM KCP15A	H8
6388595	KTFSS18654HPGM KCP15A	H9
6388596	KTFSS08000HPGM KCP15A	H8
6388597	KTFSS18700HPGM KCP15A	H9
6388598	KTFSS08100HPGM KCP15A	H8
6388599	KTFSS08164HPGM KCP15A	H8
6388600	KTFSS18800HPGM KCP15A	H9
6388601	KTFSS18900HPGM KCP15A	H9
6388602	KTFSS08204HPGM KCP15A	H8
6388603	KTFSS19000HPGM KCP15A	H9
6388604	KTFSS08300HPGM KCP15A	H8
6388605	KTFSS19050HPGM KCP15A	H9
6388606	KTFSS08334HPGM KCP15A	H8
6388607	KTFSS19100HPGM KCP15A	H9
6388608	KTFSS08400HPGM KCP15A	H8
6388609	KTFSS19200HPGM KCP15A	H9
6388610	KTFSS08433HPGM KCP15A	H8
6388611	KTFSS08500HPGM KCP15A	H8
6388612	KTFSS19228HPGM KCP15A	H9
6388613	KTFSS08600HPGM KCP15A	H8
6388614	KTFSS19253HPGM KCP15A	H9
6388615	KTFSS08611HPGM KCP15A	H8
6388616	KTFSS19279HPGM KCP15A	H9
6388617	KTFSS08700HPGM KCP15A	H8
6388618	KTFSS19300HPGM KCP15A	H9
6388619	KTFSS19355HPGM KCP15A	H9
6388620	KTFSS08733HPGM KCP15A	H8
6388621	KTFSS19400HPGM KCP15A	H10
6388622	KTFSS08800HPGM KCP15A	H8
6388623	KTFSS19446HPGM KCP15A	H10
6388624	KTFSS08839HPGM KCP15A	H8
6388625	KTFSS19460HPGM KCP15A	H10
6388626	KTFSS08900HPGM KCP15A	H8
6388627	KTFSS19500HPGM KCP15A	H10
6388628	KTFSS09000HPGM KCP15A	H8
6388629	KTFSS19600HPGM KCP15A	H10
6388630	KTFSS09093HPGM KCP15A	H8
6388641	KTFSS19700HPGM KCP15A	H10
6388642	KTFSS09100HPGM KCP15A	H8
6388643	KTFSS19800HPGM KCP15A	H10
6388644	KTFSS09129HPGM KCP15A	H8
6388645	KTFSS19845HPGM KCP15A	H10
6388646	KTFSS09200HPGM KCP15A	H8
6388647	KTFSS19900HPGM KCP15A	H10
6388648	KTFSS09300HPGM KCP15A	H8
6388649	KTFSS20000HPGM KCP15A	H10
6388650	KTFSS09347HPGM KCP15A	H8
6388651	KTFSS20100HPGM KCP15A	H10
6388652	KTFSS09400HPGM KCP15A	H8
6388653	KTFSS20200HPGM KCP15A	H10
6388654	KTFSS09500HPGM KCP15A	H8
6388655	KTFSS20241HPGM KCP15A	H10
6388656	KTFSS09525HPGM KCP15A	H8
6388657	KTFSS20300HPGM KCP15A	H10
6388658	KTFSS09558HPGM KCP15A	H8
6388659	KTFSS20500HPGM KCP15A	H10
6388660	KTFSS09600HPGM KCP15A	H8
6388661	KTFSS20600HPGM KCP15A	H10
6388662	KTFSS09700HPGM KCP15A	H8
6388663	KTFSS20638HPGM KCP15A	H10
6388664	KTFSS09800HPGM KCP15A	H8
6388665	KTFSS20700HPGM KCP15A	H10
6388666	KTFSS09900HPGM KCP15A	H8
6388667	KTFSS20800HPGM KCP15A	H10
6388668	KTFSS09921HPGM KCP15A	H8
6388669	KTFSS20900HPGM KCP15A	H10
6388670	KTFSS10000HPGM KCP15A	H8
6388671	KTFSS20990HPGM KCP15A	H10
6388672	KTFSS10023HPGM KCP15A	H8
6388673	KTFSS21000HPGM KCP15A	H10
6388674	KTFSS10084HPGM KCP15A	H8
6388675	KTFSS21100HPGM KCP15A	H10
6388676	KTFSS10100HPGM KCP15A	H8
6388677	KTFSS21200HPGM KCP15A	H10
6388678	KTFSS10200HPGM KCP15A	H8
6388679	KTFSS21300HPGM KCP15A	H10
6388680	KTFSS10262HPGM KCP15A	H8
6388681	KTFSS21400HPGM KCP15A	H10
6388682	KTFSS10300HPGM KCP15A	H8
6388683	KTFSS21433HPGM KCP15A	H10
6388684	KTFSS10320HPGM KCP15A	H8
6388685	KTFSS21500HPGM KCP15A	H10
6388686	KTFSS10400HPGM KCP15A	H8
6388687	KTFSS21700HPGM KCP15A	H10
6388688	KTFSS10490HPGM KCP15A	H8
6388689	KTFSS21800HPGM KCP15A	H10
6388690	KTFSS10500HPGM KCP15A	H8
6388691	KTFSS21829HPGM KCP15A	H10
6388692	KTFSS10600HPGM KCP15A	H8
6388693	KTFSS21900HPGM KCP15A	H10
6388694	KTFSS10700HPGM KCP15A	H8
6388695	KTFSS22000HPGM KCP15A	H10
6388696	KTFSS10716HPGM KCP15A	H8
6388697	KTFSS22100HPGM KCP15A	H10
6388698	KTFSS10800HPGM KCP15A	H8

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Order No.	Catalogue No.	Page(s)
6388699	KTFSS22200HPGM KCP15A	H10
6388700	KTFSS10900HPGM KCP15A	H8
6388701	KTFSS22225HPGM KCP15A	H10
6388702	KTFSS11000HPGM KCP15A	H8
6388703	KTFSS22400HPGM KCP15A	H10
6388704	KTFSS11100HPGM KCP15A	H8
6388705	KTFSS22500HPGM KCP15A	H10
6388706	KTFSS11113HPGM KCP15A	H8
6388707	KTFSS22600HPGM KCP15A	H10
6388708	KTFSS11200HPGM KCP15A	H8
6388709	KTFSS22700HPGM KCP15A	H10
6388710	KTFSS11300HPGM KCP15A	H9
6388711	KTFSS22800HPGM KCP15A	H10
6388712	KTFSS11400HPGM KCP15A	H9
6388713	KTFSS22900HPGM KCP15A	H10
6388714	KTFSS11500HPGM KCP15A	H9
6388715	KTFSS23000HPGM KCP15A	H10
6388716	KTFSS11509HPGM KCP15A	H9
6388717	KTFSS23100HPGM KCP15A	H10
6388718	KTFSS11600HPGM KCP15A	H9
6388719	KTFSS23200HPGM KCP15A	H10
6388720	KTFSS11700HPGM KCP15A	H9
6388721	KTFSS23300HPGM KCP15A	H10
6388722	KTFSS11800HPGM KCP15A	H9
6388723	KTFSS23400HPGM KCP15A	H10
6388724	KTFSS11900HPGM KCP15A	H9
6388725	KTFSS23416HPGM KCP15A	H10
6388726	KTFSS11908HPGM KCP15A	H9
6388727	KTFSS23500HPGM KCP15A	H10
6388728	KTFSS12000HPGM KCP15A	H9
6388729	KTFSS23600HPGM KCP15A	H10
6388730	KTFSS12100HPGM KCP15A	H9
6388731	KTFSS23700HPGM KCP15A	H10
6388732	KTFSS12200HPGM KCP15A	H9
6388733	KTFSS23800HPGM KCP15A	H10
6388734	KTFSS12304HPGM KCP15A	H9
6388735	KTFSS23813HPGM KCP15A	H10
6388736	KTFSS12400HPGM KCP15A	H9
6388737	KTFSS23900HPGM KCP15A	H10
6388738	KTFSS12474HPGM KCP15A	H9
6388739	KTFSS24000HPGM KCP15A	H10
6388740	KTFSS12500HPGM KCP15A	H9
6388741	KTFSS24100HPGM KCP15A	H10
6388742	KTFSS12600HPGM KCP15A	H9
6388743	KTFSS24200HPGM KCP15A	H10
6388744	KTFSS12700HPGM KCP15A	H9
6388745	KTFSS24300HPGM KCP15A	H10
6388746	KTFSS12800HPGM KCP15A	H9
6388747	KTFSS24400HPGM KCP15A	H10
6388749	KTFSS12900HPGM KCP15A	H9
6388750	KTFSS24500HPGM KCP15A	H10
6388751	KTFSS13000HPGM KCP15A	H9
6388752	KTFSS24600HPGM KCP15A	H10
6388753	KTFSS13096HPGM KCP15A	H9
6388754	KTFSS24608HPGM KCP15A	H10
6388755	KTFSS13200HPGM KCP15A	H9
6388756	KTFSS24700HPGM KCP15A	H10
6388757	KTFSS13280HPGM KCP15A	H9
6388758	KTFSS24800HPGM KCP15A	H10
6388759	KTFSS13300HPGM KCP15A	H9
6388760	KTFSS24900HPGM KCP15A	H10
6388761	KTFSS13380HPGM KCP15A	H9
6388762	KTFSS25000HPGM KCP15A	H10
6388763	KTFSS13400HPGM KCP15A	H9
6388764	KTFSS25100HPGM KCP15A	H10
6388765	KTFSS13492HPGM KCP15A	H9
6388766	KTFSS25200HPGM KCP15A	H10
6388767	KTFSS13500HPGM KCP15A	H9
6388768	KTFSS25250HPGM KCP15A	H10
6388769	KTFSS13600HPGM KCP15A	H9
6388770	KTFSS25300HPGM KCP15A	H10
6388771	KTFSS13700HPGM KCP15A	H9
6388772	KTFSS25400HPGM KCP15A	H10
6388773	KTFSS13800HPGM KCP15A	H9
6388774	KTFSS25500HPGM KCP15A	H10
6388775	KTFSS13891HPGM KCP15A	H9
6388776	KTFSS25540HPGM KCP15A	H10
6388777	KTFSS13896HPGM KCP15A	H9
6388778	KTFSS25600HPGM KCP15A	H10
6388779	KTFSS13940HPGM KCP15A	H9
6388780	KTFSS25679HPGM KCP15A	H10
6388781	KTFSS14000HPGM KCP15A	H9
6388782	KTFSS25700HPGM KCP15A	H10
6388783	KTFSS25800HPGM KCP15A	H10
6388784	KTFSS14100HPGM KCP15A	H9
6388785	KTFSS25806HPGM KCP15A	H10
6388786	KTFSS14200HPGM KCP15A	H9
6388787	KTFSS14288HPGM KCP15A	H9
6388788	KTFSS25900HPGM KCP15A	H10
6388789	KTFSS14300HPGM KCP15A	H9
6388790	KTFSS26000HPGM KCP15A	H10
6388791	KTFSS14400HPGM KCP15A	H9
6388792	KTFSS14500HPGM KCP15A	H9
6388793	KTFSS14600HPGM KCP15A	H9
6388794	KTFSS14666HPGM KCP15A	H9
6388795	KTFSS14684HPGM KCP15A	H9
6388796	KTFSS14700HPGM KCP15A	H9
6388798	KTFSS14800HPGM KCP15A	H9
6388799	KTFSS14900HPGM KCP15A	H9
6388800	KTFSS15000HPGM KCP15A	H9
6388821	KTFSS15083HPGM KCP15A	H9
6388822	KTFSS15100HPGM KCP15A	H9
6388823	KTFSS15200HPGM KCP15A	H9
6388824	KTFSS15300HPGM KCP15A	H9
6388825	KTFSS15380HPGM KCP15A	H9
6388826	KTFSS15400HPGM KCP15A	H9
6388828	KTFSS15479HPGM KCP15A	H9
6388829	KTFSS15500HPGM KCP15A	H9
6388830	KTFSS15600HPGM KCP15A	H9
6388831	KTFSS15700HPGM KCP15A	H9
6388832	KTFSS15800HPGM KCP15A	H9
6388833	KTFSS15875HPGM KCP15A	H9
6388834	KTFSS15900HPGM KCP15A	H9
6389147	KTFS180R03SS20M	H16
6389148	KTFS190R03SS20M	H16
6389149	KTFS180R05SS20M	H16
6389150	KTFS190R05SS20M	H16
6389271	KTFS180R08SS20M	H16
6389272	KTFS190R08SS20M	H16
6389279	KTFS180R03SCF25M	H17
6389280	KTFS190R03SCF25M	H17
6389281	KTFS200R03SCF25M	H17
6389282	KTFS210R03SCF25M	H17
6389283	KTFS220R03SCF25M	H17
6389284	KTFS230R03SCF25M	H17
6389285	KTFS240R03SCF25M	H17
6389286	KTFS250R03SCF25M	H17
6389287	KTFS180R05SCF25M	H17
6389288	KTFS190R05SCF25M	H17
6389289	KTFS200R05SCF25M	H17
6389290	KTFS210R05SCF25M	H17
6389311	KTFS220R05SCF25M	H17
6389312	KTFS230R05SCF25M	H17
6389313	KTFS240R05SCF25M	H17
6389314	KTFS250R05SCF25M	H17
6389315	KTFS180R08SCF25M	H17
6389316	KTFS190R08SCF25M	H17
6389317	KTFS200R08SCF25M	H17
6389318	KTFS210R08SCF25M	H17
6389319	KTFS220R08SCF25M	H17
6389320	KTFS230R08SCF25M	H17
6389331	KTFS240R08SCF25M	H17
6389332	KTFS250R08SCF25M	H17
6389361	KTFS060R03SS08M	H16
6389362	KTFS063R03SS08M	H16
6389363	KTFS066R03SS08M	H16
6389364	KTFS070R03SS08M	H16
6389365	KTFS075R03SS08M	H16
6389366	KTFS080R03SS10M	H16
6389367	KTFS085R03SS10M	H16
6389368	KTFS090R03SS10M	H16
6389369	KTFS095R03SS10M	H16
6389370	KTFS060R05SS08M	H16
6389381	KTFS063R05SS08M	H16
6389382	KTFS066R05SS08M	H16
6389383	KTFS070R05SS08M	H16
6389384	KTFS075R05SS08M	H16
6389385	KTFS080R05SS10M	H16
6389386	KTFS085R05SS10M	H16
6389387	KTFS090R05SS10M	H16
6389388	KTFS095R05SS10M	H16
6389389	KTFS060R08SS08M	H16
6389390	KTFS063R08SS08M	H16
6389391	KTFS066R08SS08M	H16
6389392	KTFS070R08SS08M	H16
6389393	KTFS075R08SS08M	H16
6389394	KTFS080R08SS10M	H16
6389395	KTFS085R08SS10M	H16
6389396	KTFS090R08SS10M	H16
6389397	KTFS095R08SS10M	H16
6389436	KTFS080R03SCF12M	H17
6389437	KTFS085R03SCF12M	H17
6389438	KTFS090R03SCF12M	H17
6389439	KTFS095R03SCF12M	H17
6389440	KTFS080R05SCF12M	H17
6389441	KTFS085R05SCF12M	H17
6389442	KTFS090R05SCF12M	H17
6389443	KTFS095R05SCF12M	H17
6389444	KTFS080R08SCF12M	H17
6389445	KTFS085R08SCF12M	H17
6389446	KTFS090R08SCF12M	H17
6389447	KTFS095R08SCF12M	H17
6389448	KTFS100R01SS12M	H16
6389449	KTFS105R01SS12M	H16
6389450	KTFS110R01SS12M	H16
6389471	KTFS115R01SS12M	H16
6389472	KTFS120R01SS14M	H16
6389473	KTFS125R01SS14M	H16
6389474	KTFS130R01SS14M	H16
6389475	KTFS135R01SS14M	H16
6389476	KTFS140R01SS16M	H16
6389477	KTFS145R01SS16M	H16
6389478	KTFS150R01SS16M	H16
6389479	KTFS160R01SS16M	H16
6389480	KTFS170R01SS20M	H16
6389481	KTFS100R12SF16M	H16
6389482	KTFS105R12SF16M	H16
6389483	KTFS110R12SF16M	H16
6389484	KTFS115R12SF16M	H16
6389485	KTFS120R12SF16M	H16
6389486	KTFS125R12SF16M	H16
6389487	KTFS130R12SF16M	H16
6389488	KTFS135R12SF16M	H16
6389489	KTFS140R12SF16M	H16
6389490	KTFS145R12SF16M	H16
6389501	KTFS150R12SF20M	H16
6389502	KTFS160R12SF20M	H16
6389503	KTFS170R12SF20M	H16
6389504	KTFS200R01SCF25M	H17
6389505	KTFS210R01SCF25M	H17
6389506	KTFS220R01SCF25M	H17
6389507	KTFS230R01SCF25M	H17
6389508	KTFS240R01SCF25M	H17
6389509	KTFS250R01SCF25M	H17
6389510	KTFS200R12SCF25M	H17
6389561	KTFS210R12SCF25M	H17
6389562	KTFS220R12SCF25M	H17
6389563	KTFS230R12SCF25M	H17
6389564	KTFS240R12SCF25M	H17
6389565	KTFS250R12SCF25M	H17
6389566	KTFS180R01SS20M	H16
6389567	KTFS190R01SS20M	H16
6389568	KTFS180R12SF25M	H16
6389569	KTFS190R12SF25M	H16
6389570	KTFS060R01SS08M	H16
6389571	KTFS063R01SS08M	H16
6389572	KTFS066R01SS08M	H16
6389573	KTFS070R01SS08M	H16
6389574	KTFS075R01SS08M	H16
6389575	KTFS080R01SS10M	H16
6389576	KTFS085R01SS10M	H16
6389577	KTFS090R01SS10M	H16
6389578	KTFS095R01SS10M	H16
6389579	KTFS060R12SF12M	H16
6389580	KTFS063R12SF12M	H16
6389581	KTFS066R12SF12M	H16
6389582	KTFS070R12SF12M	H16
6389583	KTFS075R12SF12M	H16
6389584	KTFS080R12SF12M	H16
6389585	KTFS085R12SF12M	H16
6389586	KTFS090R12SF12M	H16
6389587	KTFS095R12SF12M	H16
6397374	HNHX090516SNGE KCPK30	S91
6397378	SNXF1204ZNENLD KCPK30	S104
6397379	SNXF1204ZNSNHE KCPK30	S104
6397380	SNXF120412SNGP KCPK30	S104
6397611	SNXF120412SNHE KCPK30	S104
6397612	SNXF120412ENLD KCPK30	S104
6397613	SNXF1204ZNSNGP KCPK30	S104
6397614	SNXF1204ZNENLD KCK20	S104
6397615	SNXF1204ZNSNHE KCK20	S104
6397616	SNXF120412SNGP KCK20	S104
6397617	SNXF120412SNHE KCK20	S104
6397618	SNXF120412ENLD KCK20	S104
6397619	SNXF1204ZNSNGP KCK20	S104
6401814	A4M50L0314MC	C123
6401815	A4M50R0314MC	C123
6401816	A4M50L0414MC	C123
6401817	A4M50R0414MC	C123
6401818	A4M50L0519MC	C123
6401819	A4M50R0519MC	C123
6401820	A4M65L0522MC	C123
6401831	A4M65R0522MC	C123
6401832	A4M65L0620MC	C123
6401833	A4M65L0626MC	C123
6401834	A4M65R0620MC	C123
6401835	A4M65R0626MC	C123
6401836	A4M65L0820MC	C123
6401837	A4M65L0826MC	C123
6401838	A4M65R0820MC	C123
6401839	A4M65R0826MC	C123
6401840	A4M65L1020MC	C123
6401851	A4M65L1026MC	C123
6401852	A4M65R1020MC	C123
6401853	A4M65R1026MC	C123
6401854	EVSMR2020K0216C	C36
6401855	EVSMR2525M0216C	C36
6401856	EVSMR2525M0226C	C36
6401857	EVSMR2020K0222C	C36
6401881	EVSML2525M0216C	C37
6406706	ONGX080620ENLE KCK15	S35
6406707	ONGX080620ENLE KCK20	S35
6406708	ONGX0806ANENLE KCK15	S35
6406709	ONGX0806ANENLE KCK20	S35
6406710	ONGX080620SNGP KCK20	S35
6406851	ONGX080620SNGP KCPK30	S35
6406852	ONGX0806ANSNGP KCK20	S35
6406853	ONPX080608SNGP KCPK30	S36
6406854	ONPX080620SNHB KCPK30	S36
6408009	XADA1000X4CH60 KCPM15	048
6408010	XADA1200X5CH60 KCPM15	048
6408041	XADA1600X6CH60 KCPM15	048
6432549	COOL-HOSE-200-FLEX	C75
6432550	COOL-HOSE-300-FLEX	C75

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
1-16NPTF-JIC	C75
1-8NPTF-JIC	C75
1.10820R310	E14
1.10825L310	E14
1.10825R310	E14
1.10825R700	E14
1.17125L330	E15
1.18016L110	E15
1.18016R110	E15
1.18020L110	E15
1.18020R110	E15
1.18020R310	E15
1.18025L310	E15
1.18025L315	E15
1.18025L330	E16
1.18025R110	E15
1.18025R310	E15
1.18025R315	E15
1.18032L315	E15
1.18032R315	E15
1.38020R021	E16
1.38025L021	E16
1.38025R021	E16
1.77120L100	E17
1.77120R100	E17
1.77125R300	E17
1.77132R400	E17
1.77225R301	E18
1.77725R301	E17
1.78012R103	E18
1.78016R100	E18
1.78020R100	E18
1.78025L100	E18
1.78025L300	E18
1.78025R100	E18
1.78025R300	E18
1.78032R400	E18
100A07RS90ED18D	T72
100A08RS90ED14D	T50
100A08RS90ED18D	T72
100A08RS90SD12PL-HF	V139
100A10RS90ED14D	T50
100B04RP90BG15CM	S143
100B05RS45SE14EG	S41
100B06RP90BG15C2WPM	S144
100B06RP90BG15C6WHPM	S146
100B06RS90RC20C	V82
100B06RS90RP16	V78
100B06RS90SD12DG	T102
100B07RS45SE14EG	S41
100B07RS90RP12	V72
100B07RS90SD12PL	V139
100B08RP00MD10CF	S68
100B08RP70SP12C2WFP	S72
100B08RP90BG15C2WPM	S144
100B08RP90SP12C2WFP	S76
100B08RP90SP15C2WFP	S82
100B08RS90ED10D	T33
100B08RS90RP16	V78
100B08RS90SD12DG	T102
100B09RP70SP15C2WFP	S79
100B09RS90RP12	V72
100B10RF84SN12B	S102
100B10RS90SP10DG	T98
100B12RP00MD10CF	S68
100B12RP70SP12C3WFP	S72
100B12RP90SP12C3WFP	S76
100B12RS90ED10D	T33
100B14RF45HN09C	S89
100B14RP70SP12CFP	S72
100B14RP90SP12CFP	S76
100B15RF84SN12B	S102
100B15RF84SN12B3W	S103
100B82RF60HN09C	S94
100G06LK90SP10N14K	U28
100G06NK90SP10N14K	U30
100G06RK90SP10N14K	U27
100G10NP90SP10N16K	U26
100G10NS90LN12N06	U17
100G10NS90LN12N08	U17
100G10RP90SP10	U25
100Y06LK90SP10N14K	U33
100Y06NK90SP10N14K	U34
100Y06RK90SP10N14K	U32
100Y10RS90LN12N06	U18
100Y10RS90LN12N08	U18
10X1R015B20STN11T	W42
112.244	E15
112.403	E14–15
112.404	E14–16
112.505	E15
114.111	E16
114.114	E16
114.305	E49, E55
118.204	E17–18
118.314	E17–18
11X1R012B12STN11N	W40
11X1R020B20STN11N	W40
121.610	S76
121.612	E14–15, E17, S72, S76, S79, S82
121.616	E14–16, E18, E49, E55, S79, S82
121.808	K44–46
121.812	E16, K44–46
121.816	E16–18
121.825	E18
12147629800	K111–113
12148006000	T24
12148044900	S32–33, S89, S94, S102–103, S110
12148068700	K111–113
125.025	S5, S10, S14, S17, S21, S48, S53, S68, S72, S76, S143–144, S146, T7, T17, V40
125.225	V40
125.616	U8
125.625	K44–46
125.820	J74–75
125.830	J74–75
125B05RP90BG15CM	S143
125B06RS45SE14EG	S41
125B06RS90RC20C	V82
125B07RS90SD12DG	T102
125B08RP90BG15C2WPM	S144
125B08RP90BG15C8WHPM	S146
125B08RS45SE14EG	S41
125B08RS90ED18D	T72
125B09RS90ED14D	T50
125B09RS90ED18D	T72
125B09RS90RP16	V78
125B09RS90SD12PL	V139
125B10RP00MD10CF	S68
125B10RP70SP12C2WFP	S72
125B10RP90BG15C2WPM	S144
125B10RP90SP12C2WFP	S76
125B10RP90SP15C2WFP	S82
125B10RS90SD12DG	T102
125B123RF60HN09C	S94
125B12RP70SP15C2WFP	S79
125B12RS90ED14D	T50
125B15RP90SP12C3WFP	S76
125B16RP00MD10CF	S68
125B18RF45HN09C	S89
125B18RF84SN12B	S102
125B18RF84SN12B3W	S103
125H08LK90SD12N18K	U41
125H08NK90SD12N18K	U42
125H08NK90SD12N20K	U43
125H08NK90SP10N14K	U30
125H08NK90SP10N16K	U31
125H08RK90SD12N18K	U40
125H08RK90SP10N14K	U27
125H11RP90SP10	U25
125H12NP90SP10N16K	U26
125H12NS90LN12N06	U17
125Y08LK90SD12N18K	U46
125Y08LK90SD12N20K	U47
125Y08LK90SP10N14K	U33
125Y08NK90SD12N18K	U48
125Y08NK90SD12N20K	U49
125Y08NK90SP10N14K	U34
125Y08NK90SP10N16K	U35
125Y08RK90SD12N18K	U44
125Y08RK90SD12N20K	U45
125Y08RK90SP10N14K	U32
125Y12RS90LN12N10	U18
12748308500	S94
12748358200	S89, S94, S102–103, S110
12748500200	S95
12748500400	S95
12748500500	S95
12748503400	S95
12748600900	S89, S94, S102–103
12748601000	S32–33
128.508	H64
128.510	H64
128.610	J67
129.025	S21, S41, S48, S76, T102
129.612	J74–75
129.616	J74–75
129.830	S143–144
12A01R020A16ED10	T31
12A02R018A12ED07	T24
12A02R020M08ED07	T24
12MHC030M	G85
12MHC040M	G85
12MHC050M	G85
12MHC060M	G85
12MHC070M	G85
12MHC080M	G85
12MHC090M	G85
12MHC100M	G85
132.151	E15
132.156	E15
15X1R020B16STN16C	W42
15X1R022B16STN16T	W42
160C06RP90BG15CM	S143
160C07RS45SE14EG	S41
160C07RS90RC20C	V82
160C07RS90RC20CHP	V82
160C08RS90RC20C	V82
160C08RS90RC20CHP	V82
160C08RS90SD12DG	T102
160C10RP70SP15C2WFP	S79
160C10RP90BG15C10WHPM	S146
160C10RP90BG15C2WPM	S144
160C10RP90SP15C2WFP	S82
160C10RS45SE14EG	S41
160C10RS90ED18D	T72
160C10RS90SD12PL	V139
160C11RS90ED14D	T50
160C12RP00MD10CF	S68
160C12RP70SP12C3WFP	S72
160C12RP90SP12C3WFP	S76
160C12RS90ED18D	T72
160C12RS90SD12DG	T102
160C164RF60HN09C	S94
160C16RP70SP15C4WFP	S79
160C18RP70SP12C3WFP	S72
160C18RP90SP12C3WFP	S76
160C20RP00MD10CF	S68
160C22RF45HN09C	S89
160C24RF84SN12B	S102
160C24RF84SN12B3W	S103
160H10LK90SD12N18K	U41
160H10LK90SP10N14K	U28
160H10NK90SD12N18K	U42
160H10NK90SD12N20K	U43
160H10NK90SP10N14K	U30
160H10NK90SP10N16K	U31
160H10RK90SD12N18K	U40
160H10RK90SP10N14K	U27
160H11LP90SP10	U25
160H11RP90SP10	U25
160H12LP90SD12	U38
160H12NP90SP10N16K	U26
160H12RP90SD12	U38
160H14NP90SD12N20K	U39
160H15NS90LN12N10	U17
160H15NS90LN12N12	U17
160H16NS90LN12N06	U17
160Y10LK90SD12N18K	U46
160Y10LK90SP10N14K	U33
160Y10NK90SD12N18K	U48
160Y10NK90SD12N20K	U49
160Y10NK90SP10N14K	U34
160Y10NK90SP10N16K	U35
160Y10RK90SP10N14K	U32
160Y15RS90LN12N10	U18
160Y16RS90LN12N06	U18
160Y16RS90LN12N08	U18
169.974	J47
16A02R025A16ED10	T31
16A02R025A16ED10-170	T32
16A02R025A16ED10R31-170	T32
16A02R025B16ED10	T30
16A02R025M08ED10	T29
16A03R020A16ED07	T24
16ERAG60 KC5025	D53
16ERG55 KC5025	D52
170.000	K72
170.002	K47
170.003	E14–18, E49, E55, I14, K47, S68, S72, S76, S79, S82, S143–147
170.004	E16–18, J79, K44–47
170.005	I14, J80, K44–46, U8
170.006	J79–80, K44–46
170.008	J79–81
170.023	J10–15, J23, J25, J27, J29, J31, J33, J35, J37, U13
170.024	I23–24, J23, J25, J27, J29, J31, J33, J35, J37, J45–46, J98
170.025	I14, I23–24, J23, J25, J27, J29, J31, J33, J35, J37, J45–46, J98, S4–5, S8–10, S14, S17, S20–21, U13, V46–49, V53–56, V64
170.026	J45, V60
170.027	J10–15
170.028	I14, J10–12, J23, J25, J27, J29, J31, J33, J35, J37, J98
170.135	K47
170.136	K47
170.270	H58, H63, H65
170.271	H65
170.272	H58, H63, H65
170.273	H65
170.274	H58, H63, H65
170.275	H65
170.276	H58, H63, H65
170.277	H65
170.281	H65
170.282	H65
170.283	H65
170.284	H65
170.285	H65
170.286	H65
170.287	H65
170.288	H65
170.289	H58, H65
170.290	H65
170.291	H65
170.294	H58, H65
170.295	H65
170.296	H65
170.306	H31–32
170.307	H31–32
170.308	H31–32
170.309	H31–32
170.314	H31–32
170.345	H98
170.346	H98
170.347	H98–99
170.348	H99
170.350	H98
170.352	H98
170.353	H98
170.355	H98–99
170.356	H98–99
170.365	H99
170.370	J23, J25, J31, J33, J35, J37
17X1R022B16STN16N	W40
18A02R028A16ED10-170	T32
190.076	I24
190.116	J67
190.195	I24
190.371	I24
190.458	J67
191.282	K72

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
191.375	J45
191.405	B70, B115–119, B199, B202, B220–221, B240–242, B260–263, B376–378
191.406	B70–73, B92, B115–121, B139–142, B183, B229, B235–237, B260–263, B375, B378
191.407	B70–73, B92–93, B115–117, B119, B139–141, B183, B235, B378
191.698	H98, J23, J25, J27, J29, J45–46, J74–75
191.725	I14, V153
191.726	H98–99, J45
191.727	J77–79
191.728	J77, J79–81
191.729	J80–81
191.848	J45–46, J74–75, V46–49
191.916	C41–42, H98–99, J23, J25, J27, J29, J31, J33, J35, J37, J75, J98
191.924	H98, J23, J25, J27, J29, J31, J33, J35, J37, J45–46, J74–75, J98, V153
192.057	I24
192.111	J74–75
192.112	J74–75
192.126	J81
192.156	J77–79
192.157	J77–80
192.158	J81
192.416	J10–15, J67
192.419	J77–79
192.420	J77–79
192.421	J77–80
192.422	J77–79
192.423	J77–80
192.424	J77, J79–81
192.425	J77, J79–81
192.426	J80–81
192.432	H98, I14, J10–12, J23, J25, J27, J29, J31, J33, J35, J37, J67, J74–75, J98
192.433	J23, J25, J27, J29
192.529	U13
192.530	U13
192.531	U13
192.532	U13
192.592	J67, J74
192.593	J74–75
192.636	B162
192.718	I14
192.720	I14
192.730	J81
192.731	J81
192.759	J81
192.888	I14
192.889	I14
192.902	J67, J74–75
192.903	J74–75
192.932	V60
193.113	I24
193.114	I24
193.115	I24
193.116	I24
193.281	J10–15, J23, J25, J31, J33, J35, J37
193.297	C118
193.337	S145–146
193.371	J77–78
193.372	J77–78
193.389	V112, V114, V129
193.390	V111–114, V129
193.391	V111–114, V128–130
193.392	V111–115, V128–130
193.393	V111–115, V128–130
193.394	V113–115, V130
193.395	V113–115
193.397	J67
193.409	S53, V153
193.433	S46–48
193.450	J75
193.451	J75
193.460	S132
193.461	S110, S131–132
193.462	S132
193.464	S131–132
193.465	S131–132
193.491	J23, J25, J27, J29, J31, J33, J35, J37
193.492	S4–5, S8–10, S14, S17, S20–21, S60, S62, V53–56, V64
193.523	H102–103
193.524	H102–103
193.525	H102–103
193.526	H102–103
193.531	S25
193.537	H102–103
193.545	H102–103
199.123	H64
19X1R023B20STN16T	W42
200C09RS90RC20C	V82
200C09RS90RC20CHP	V82
200C11RS90SD12DG	T102
200C12RP70SP15C2WFP	S79
200C12RP90BG15C12WHPM	S146
200C12RP90BG15C3WPM	S144
200C12RP90SP15C2WFP	S82
200C14RP00MD10CF	S68
200C14RS90SD12DG	T102
200C16RP70SP12C4WFP	S72
200C16RP90SP12C4WFP	S76
200C205RF60HN09C	S94
200C24RP00MD10CF	S68
200C24RP90SP12C4WFP	S76
200C30RF84SN12B	S102
200J13LP90SP10	U25
200J13RP90SP10	U25
200J14LK90SP10N16K	U29
200J14LP90SD12	U38
200J14NK90SD12N18K	U42
200J14NK90SD12N20K	U43
200J14NK90SP10N14K	U30
200J14NP90SP10N16K	U26
200J14RP90SD12	U38
200J18NP90SD12N20K	U39
200J18NS90LN12N08	U17
200Y14LK90SD12N20K	U47
200Y14LK90SP10N14K	U33
200Y14NK90SD12N20K	U49
200Y14NK90SP10N14K	U34
200Y14NK90SP10N16K	U35
20A02R028A20ED10	T31
20A02R028B20ED10	T30
20A02R028M10ED10	T29
20A02R032A20ED10-170	T32
20A02R032A20ED10R31-170	T32
20A02R035M10SED14	T47
20A02R039A20SED14	T49
20A02R039B20SED14	T48
20A02R050A20SED14-170	T49
20A03R028A20ED10	T31
20A03R028B20ED10	T30
20A03R028M10ED10	T29
20A03R032A20ED10-170	T32
20A03R032A20ED10R31-170	T32
20A05R020A20ED07	T24
20MHC030M	G85
20MHC040M	G85
20MHC050M	G85
20MHC060M	G85
20MHC070M	G85
20MHC080M	G85
20MHC090M	G85
20MHC100M	G85
20MHC110M	G85
20MHC120M	G85
20MHC130M	G85
20MHC140M	G85
20MHC150M	G85
20MHC160M	G85
20X1R043B20STN16N	W40
22A03R032A20ED10-170	T32
22X1R025B25STN16L	W41
250C16RP90BG15C4WPM	S144
250C18RP00MD10CF	S68
250C246RF60HN09C	S94
250C30RP00MD10CF	S68
250J16LP90SD12	U38
250J16NK90SD12N18K	U42
250J16RP90SD12	U38
250J18LK90SP10N16K	U29
250J18NK90SP10N16K	U31
250J22NP90SD12N20K	U39
250Y16NK90SD12N18K	U48
250Y16NK90SD12N20K	U49
250Y18NK90SP10N16K	U35
25A02R035M12SED14	T47
25A02R035M12SED18	T69
25A02R039B25SSP10G	T97
25A02R044A25SED14	T49
25A02R044A25SED18	T71
25A02R044A25SED18-150	T71
25A02R044B25SED14	T48
25A02R044B25SED18	T70
25A02R050A25SED14-170	T49
25A02R050A25SED18-170	T71
25A03R032A25ED10	T31
25A03R032B25ED10	T30
25A03R032M12ED10	T29
25A03R035M12SED14	T47
25A03R040A25ED10-200	T32
25A03R040A25ED10R31-200	T32
25A03R044A25SED14	T49
25A03R044B25SED14	T48
25A03R050A25SED14-170	T49
25A04R032A25ED10	T31
25A04R032B25ED10	T30
25A04R032M12ED10	T29
25A04R040A25ED10-200	T32
25A04R040A25ED10R31-200	T32
25MHC030M	G85
25MHC040M	G85
25MHC050M	G85
25MHC060M	G85
25MHC070M	G85
25MHC080M	G85
25MHC090M	G85
25MHC100M	G85
25MHC120M	G85
25MHC140M	G85
25MHC160M	G85
25X1R040B25STN27C	W42
26X2R043B25STN16D	W43
28A04R040A25ED10-200	T32
2BN0100MR004A KC633M	Q13
2BN0200DD007A KC633M	Q12
2BN0200DL006A KC633M	Q11
2BN0200MR006A KC633M	Q13
2BN0300DD007A KC633M	Q12
2BN0300DK004A KC633M	Q11
2BN0300DL007A KC633M	Q11
2BN0300MR009A KC633M	Q13
2BN0350MR012A KC633M	Q13
2BN0400DD008A KC633M	Q12
2BN0400DK005A KC633M	Q11
2BN0400DL008A KC633M	Q11
2BN0400MR012A KC633M	Q13
2BN0500DD010A KC633M	Q12
2BN0500DL010A KC633M	Q11
2BN0500MR014A KC633M	Q13
2BN0600DD010A KC633M	Q12
2BN0600DL010A KC633M	Q11
2BN0600MR038A KC633M	Q13
2BN0700DL013A KC633M	Q11
2BN0800DD016A KC633M	Q12
2BN0800DL016A KC633M	Q11
2BN0800MR040A KC633M	Q13
2BN1000DD019A KC633M	Q12
2BN1000DL019A KC633M	Q11
2BN1000MR045A KC633M	Q13
2BN1200DD022A KC633M	Q12
2BN1200DL022A KC633M	Q11
2BN1200ML045A KC633M	Q13
2BN1200MR025A KC633M	Q13
2BN1200MX075A KC633M	Q13
2BN1400DD022A KC633M	Q12
2BN1400DL022A KC633M	Q11
2BN1400MR032A KC633M	Q13
2BN1600DD026A KC633M	Q12
2BN1600DL026A KC633M	Q11
2BN1600MR032A KC633M	Q13
2BN2000DD032A KC633M	Q12
2BN2000DK020A KC633M	Q11
2BN2000DL032A KC633M	Q11
2BN2000ML075A KC633M	Q13
2BN2000MR038A KC633M	Q13
2CH0200DK003A KC633M	Q6
2CH0200MR006A KC633M	Q9
2CH0250MR006A KC633M	Q9
2CH0300DD007A KC633M	Q8
2CH0300DK004A KC633M	Q6
2CH0300DL007A KC633M	Q6
2CH0300ML019A KC633M	Q9
2CH0300MR009A KC633M	Q9
2CH0300MX025A KC633M	Q9
2CH0350DK004A KC633M	Q6
2CH0350MR012A KC633M	Q9
2CH0400DD008A KC633M	Q8
2CH0400DK005A KC633M	Q6
2CH0400DL008A KC633M	Q6
2CH0400ML019A KC633M	Q9
2CH0400MR012A KC633M	Q9
2CH0400MX031A KC633M	Q9
2CH0450DK005A KC633M	Q6
2CH0450DL008A KC633M	Q6
2CH0450MR014A KC633M	Q9
2CH0480MR014A KC633M	Q9
2CH0500DD010A KC633M	Q8
2CH0500DK006A KC633M	Q6
2CH0500DL010A KC633M	Q6
2CH0500ML020A KC633M	Q9
2CH0500MR014A KC633M	Q9
2CH0500MX031A KC633M	Q9
2CH0550MR014A KC633M	Q9
2CH0600DD010A KC633M	Q8
2CH0600DK007A KC633M	Q6
2CH0600DL010A KC633M	Q6
2CH0600ML028A KC633M	Q9
2CH0600MR016A KC633M	Q9
2CH0600MX038A KC633M	Q9
2CH0700DD013A KC633M	Q8
2CH0700DK008A KC633M	Q6
2CH0700DL013A KC633M	Q6
2CH0700MR020A KC633M	Q9
2CH0800DD016A KC633M	Q8
2CH0800DK009A KC633M	Q6
2CH0800DL016A KC633M	Q6
2CH0800ML028A KC633M	Q9
2CH0800MR020A KC633M	Q9
2CH0800MX041A KC633M	Q9
2CH0900DD016A KC633M	Q8
2CH0900DK010A KC633M	Q6
2CH0900DL016A KC633M	Q6
2CH0900MR020A KC633M	Q9
2CH1000DD019A KC633M	Q8
2CH1000DK011A KC633M	Q6
2CH1000DL019A KC633M	Q6
2CH1000ML032A KC633M	Q9
2CH1000MR022A KC633M	Q9
2CH1000MX045A KC633M	Q9
2CH1100MR025A KC633M	Q9
2CH1200DD022A KC633M	Q8
2CH1200DK012A KC633M	Q6
2CH1200DK012B KC633M	Q6
2CH1200DL022A KC633M	Q6
2CH1200DL022B KC633M	Q6
2CH1200ML045A KC633M	Q10
2CH1200ML045B KC633M	Q10
2CH1200MR025A KC633M	Q9
2CH1200MR025B KC633M	Q9
2CH1200MX075A KC633M	Q10
2CH1200MX075B KC633M	Q10
2CH1400DD022A KC633M	Q8
2CH1400DK014A KC633M	Q6
2CH1400DK014B KC633M	Q6
2CH1400DL022A KC633M	Q6
2CH1400DL022B KC633M	Q6
2CH1400ML050A KC633M	Q10
2CH1400ML050B KC633M	Q10
2CH1400MR032A KC633M	Q10
2CH1400MR032B KC633M	Q10
2CH1400MX075A KC633M	Q10
2CH1400MX075B KC633M	Q10

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
2CH1500DD026A KC633M	Q8
2CH1600DD026A KC633M	Q8
2CH1600DK016A KC633M	Q7
2CH1600DK016B KC633M	Q7
2CH1600DL026A KC633M	Q7
2CH1600DL026B KC633M	Q7
2CH1600ML056A KC633M	Q10
2CH1600ML056B KC633M	Q10
2CH1600MR032A KC633M	Q10
2CH1600MR032B KC633M	Q10
2CH1600MX075A KC633M	Q10
2CH1600MX075B KC633M	Q10
2CH1800DD026A KC633M	Q8
2CH1800DK018A KC633M	Q7
2CH1800DK018B KC633M	Q7
2CH1800DL026A KC633M	Q7
2CH1800MX075A KC633M	Q10
2CH2000DD032A KC633M	Q8
2CH2000DK020A KC633M	Q7
2CH2000DK020B KC633M	Q7
2CH2000DL032A KC633M	Q7
2CH2000DL032B KC633M	Q7
2CH2000ML056A KC633M	Q10
2CH2000ML056B KC633M	Q10
2CH2000MR038A KC633M	Q10
2CH2000MR038B KC633M	Q10
2CH2000MX075A KC633M	Q10
2CH2000MX075B KC633M	Q10
3.37042R320	I14
3.37042R820	I14
3.37051R320	I14
3.37051R820	I14
3.37052R320	I14
3.37052R820	I14
3.37060R720	I23
3.37061R320	I14
3.37061R820	I14
3.37062R320	I14
3.37062R820	I14
3.37071R320	I14
3.37071R820	I14
3.37080R720	I23
3.37081R320	I14
3.37081R820	I14
3.37091R320	I14
3.37091R820	I14
3.37092R320	I14
3.37092R820	I14
3.37100R720	I23
3.37101R332	I14
3.37101R832	I14
3.37111R332	I14
3.37111R832	I14
3.37120R732	I23
3.37121R332	I14
3.37121R832	I14
3.37131R332	I14
3.37131R832	I14
3.37140R732	I23
3.37141R332	I14
3.37141R832	I14
3.37151R332	I14
3.37151R832	I14
3.37160R732	I23
3.37161R332	I14
3.37161R832	I14
3.37171R332	I14
3.37171R832	I14
3.37180R732	I23
3.37181R332	I14
3.37181R832	I14
3.37526R006	I24
3.37528R008	I24
3.37530R010	I24
3.37532R012	I24
3.37534R014	I24
3.37538R016	I24
3.37540R018	I24
3.37542R020	I24
3.41020R900 KMF	I16
3.41020R900STF CS5	I16
3.41020R901 CS5	I15
3.41020R901 KC7315	I15
3.41020R902 CS5	I15
3.41020R902 KC7315	I15
3.41020R903 CS5	I15
3.41020R903 KC7315	I15
3.41020R904 KC7315	I16
3.41220R900 KMF	I16
3.41220R900SF KMF	I16
3.41220R900STF CS5	I16
3.41220R901 CS5	I15
3.41220R901 KC7315	I15
3.41220R902 CS5	I15
3.41220R902 KC7315	I15
3.41220R903 CS5	I15
3.41220R903 KC7315	I15
3.41220R904 KC7315	I16
3.42805R001 CS5	I27
3.42805R001 KC7215	I27
3.42805R001 KMF	I27
3.42805R021 KC7015	I27
3.42805R021 KC7315	I27
3.42805R081 KC7215	I27
3.42807R001 CS5	I27
3.42807R001 KC7215	I27
3.42807R001 KMF	I27
3.42807R021 KC7015	I27
3.42807R021 KC7315	I27
3.42807R081 KC7215	I27
3.76045R028V	J72–73
3.76050R028V	J72–73
3.76055R032V	J72–73
3.76058R032V	J72–73
3.76063R032V	J72–73
3.76063R040V	J72–73
3.76068R040V	J72–73
3.76073R040V	J72–73
3.76078R040V	J72–73
3.76078R048V	J72–73
3.76084R048V	J72–73
3.76090R048V	J72–73
3.76096R048V	J72–73
3.76096R058V	J72–73
3.76102R058V	J72–73
3.76108R058V	J72–73
3.76115R070V	J72–73
3.76122R070V	J72–73
3.76130R070V	J72–73
3.76140R080V	J72–73
3.76150R080V	J72–73
3.76158R080V	J72–73
3.76162R080V	J72–73
3.76180R110	J72–73
3.76195R110	J72–73
3.76213R125	J72–73
3.76230R160	J72–73
3.76260R160	J72–73
3.77000R023V	J74
3.77000R024V	J74
3.77000R025V	J74
3.77000R026V	J74
3.77000R027V	J74
3.77000R028V	J74
3.77000R029V	J74
3.77000R030V	J74
3.77000R031V	J74
3.77000R038V	J74
3.77000R039V	J74
3.77000R048V	J74
3.77000R049V	J74
3.77000R050V	J74
3.77000R051V	J74
3.77000R052V	J74
3.77000R053V	J74
3.77000R073V	J74
3.77000R074V	J74
3.77000R075V	J74
3.77000R076V	J74
3.77000R077V	J74
3.77000R078V	J74
3.77000R079V	J74
3.77000R080V	J74
3.77000R081V	J74
3.77000R082V	J74
3.77000R083V	J74
3.77000R084V	J74
3.77000R085V	J74
3.77000R086V	J74
3.77000R087V	J74
3.77000R088V	J74
3.77000R224V	J75
3.77000R227V	J75
3.77000R228V	J75
3.77000R229V	J75
3.77000R230V	J75
3.77000R231V	J75
3.77000R239V	J75
3.77000R248V	J75
3.77000R249V	J75
3.77000R250V	J75
3.77000R251V	J75
3.77000R252V	J75
3.77000R253V	J75
3.77000R274V	J75
3.77000R276V	J75
3.77000R278V	J75
3.77000R280V	J75
3.77000R282V	J75
3.77000R284V	J75
3.77000R286V	J75
3.77000R288V	J75
3.90016ECGD KMF	U9
3.90016SNGB KC735M	U9
3.90016SNGB KCPK30	U9
3.90016SNGD KC735M	U9
3.90016SNGD KCPK30	U9
3.90022ECGD KMF	U9
3.90022SNGB KC735M	U9
3.90022SNGB KCPK30	U9
3.90022SNGD KC735M	U9
3.90022SNGD KCPK30	U9
3.90030ECGD KMF	U9
3.90030SNGB KC735M	U9
3.90030SNGB KCPK30	U9
3.90030SNGD KC735M	U9
3.90030SNGD KCPK30	U9
3.90040ECGD KMF	U9
3.90040SNGB KC735M	U9
3.90040SNGB KCPK30	U9
3.90040SNGD KC735M	U9
3.90040SNGD KCPK30	U9
302.009	J79
302.010	J79
302.011	J79
302.014	J81
30X1R052B25STN27N	W40
30X1R092B25STN27L	W41
315K18LK90SD12N18K	U41
315K18NK90SD12N18K	U42
315K18NK90SD12N20K	U43
315K20NK90SP10N16K	U31
315Y18NK90SD12N18K	U48
315Y18NK90SD12N20K	U49
315Y20NK90SP10N16K	U35
315Z328RF60HN09WSC	S94
32A02R040M16SED18	T69
32A02R050A32SED18-200	T71
32A03R039B32SSP10G	T97
32A03R040A32RP12L190	V71
32A03R040B32RP12	V70
32A03R040M16SED14	T47
32A03R040M16SED18	T69
32A03R050A25SED14	T49
32A03R050A25SED18	T71
32A03R050A32SED14	T49
32A03R050A32SED14-200	T49
32A03R050A32SED18	T71
32A03R050A32SED18-200	T71
32A03R050B32SED14	T48
32A03R050B32SED18	T70
32A04R040A32ED10	T31
32A04R040B32ED10	T30
32A04R040M16ED10	T29
32A04R040M16SED14	T47
32A04R048A32ED10-200	T32
32A04R048A32ED10R31-200	T32
32A04R050A25SED14	T49
32A04R050A32SED14	T49
32A04R050A32SED14-200	T49
32A04R050B32SED14	T48
32A05R040A32ED10	T31
32A05R040B32ED10	T30
32A05R040M16ED10	T29
32A05R048A32ED10-200	T32
32A05R048A32ED10R31-200	T32
32E03R045M16RP12	V70
32M2R040A25SSD12PL	V138
32M2R050M16SSD12PL	V137
32MHC060M	G85
32MHC070M	G85
32MHC080M	G85
32MHC090M	G85
32MHC100M	G85
32MHC110M	G85
32MHC120M	G85
32MHC130M	G85
32MHC140M	G85
32MHC150M	G85
32MHC160M	G85
34A03R050A32SED18-250	T71
35E04R050A32RP12L200	V71
35X1R055B32STNB38N	W41
360.510	I23
360.511	I23
360.513	I23
360.550	I23–24
360.551	H64, I23–24
360.630	I23, I26
360.631	I23, I26
360.632	I23, I26
360.633	I23, I26
360.634	I23
360.635	I23, I26
360.636	I23, I26
360.637	I26
360.660	H64
360.661	H64
360.663	H64
360.664	H64
360.665	H64
360.666	H64
360.667	H64
360.668	H64
360.669	H64
360.670	H64
364.010	H58–59, H61, H63, H98
364.011	H58–61, H63, H98
364.012	H58, H60–63, H98–99
364.013	H58, H60, H62–63, H99
364.015	H58, H60, H63, H99
364.016	H58–59, H61, H63, H98
364.017	H58–59, H61, H63
37X1R058B32STN27N	W40
37X1R098B32STN27L	W41
3CH0100MS004A KC633M	Q20
3CH0150MS004A KC633M	Q20
3CH0200DL006A KC633M	Q18
3CH0200DL006B KC633M	Q18
3CH0200MS006A KC633M	Q20
3CH0250DK003A KC633M	Q18
3CH0250DK003B KC633M	Q18
3CH0250DL007A KC633M	Q18
3CH0250DL007B KC633M	Q18
3CH0250MS006A KC633M	Q20
3CH0300DK004A KC633M	Q18
3CH0300DK004B KC633M	Q18
3CH0300DL007A KC633M	Q18
3CH0300DL007B KC633M	Q18
3CH0300MS009A KC633M	Q20
3CH0300MX019A KC633M	Q20
3CH0300MX019B KC633M	Q20
3CH0350DK004A KC633M	Q18
3CH0350DK004B KC633M	Q18
3CH0350DL007A KC633M	Q18
3CH0350DL007B KC633M	Q18
3CH0400DK005A KC633M	Q18
3CH0400DK005B KC633M	Q18

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
3CH0400DL008A KC633M	Q18
3CH0400DL008B KC633M	Q18
3CH0400MS012A KC633M	Q20
3CH0400MX019A KC633M	Q20
3CH0450DK005A KC633M	Q18
3CH0450DK005B KC633M	Q18
3CH0450DL008A KC633M	Q18
3CH0450DL008B KC633M	Q18
3CH0500DK006A KC633M	Q18
3CH0500DK006B KC633M	Q18
3CH0500DL010A KC633M	Q18
3CH0500DL010B KC633M	Q18
3CH0500MX020A KC633M	Q20
3CH0500MX020B KC633M	Q20
3CH0550DK007A KC633M	Q18
3CH0550DK007B KC633M	Q18
3CH0550DL010A KC633M	Q18
3CH0550DL010B KC633M	Q18
3CH0600DK007A KC633M	Q18
3CH0600DK007B KC633M	Q18
3CH0600DL010A KC633M	Q18
3CH0600DL010B KC633M	Q18
3CH0600MS016A KC633M	Q20
3CH0600MS016B KC633M	Q20
3CH0600MX028A KC633M	Q20
3CH0600MX028B KC633M	Q20
3CH0700DK008A KC633M	Q18
3CH0700DK008B KC633M	Q18
3CH0700DL013A KC633M	Q18
3CH0700DL013B KC633M	Q18
3CH0800DK009A KC633M	Q18
3CH0800DK009B KC633M	Q18
3CH0800DL016A KC633M	Q18
3CH0800DL016B KC633M	Q18
3CH0800MS019A KC633M	Q20
3CH0800MX028A KC633M	Q20
3CH0800MX028B KC633M	Q20
3CH1000DK011A KC633M	Q18
3CH1000DK011B KC633M	Q18
3CH1000DL019A KC633M	Q18
3CH1000DL019B KC633M	Q18
3CH1000MS022A KC633M	Q20
3CH1000MS022B KC633M	Q20
3CH1000MX032A KC633M	Q20
3CH1000MX032B KC633M	Q20
3CH1200DK012A KC633M	Q18
3CH1200DK012B KC633M	Q18
3CH1200DL022A KC633M	Q19
3CH1200DL022B KC633M	Q19
3CH1200MS025A KC633M	Q20
3CH1200MS025B KC633M	Q20
3CH1200MX045A KC633M	Q20
3CH1200MX045B KC633M	Q20
3CH1400DK014A KC633M	Q19
3CH1400DK014B KC633M	Q19
3CH1400DL022A KC633M	Q19
3CH1400DL022B KC633M	Q19
3CH1600DK016A KC633M	Q19
3CH1600DK016B KC633M	Q19
3CH1600DL026A KC633M	Q19
3CH1600DL026B KC633M	Q19
3CH1600MS032A KC633M	Q20
3CH1600MS032B KC633M	Q20
3CH1600MX056A KC633M	Q20
3CH1600MX056B KC633M	Q20
3CH1800DK018A KC633M	Q19
3CH1800DK018B KC633M	Q19
3CH1800DL026A KC633M	Q19
3CH1800DL026B KC633M	Q19
3CH2000DK020A KC633M	Q19
3CH2000DK020B KC633M	Q19
3CH2000DL032A KC633M	Q19
3CH2000DL032B KC633M	Q19
3CH2000MX064A KC633M	Q20
3CH2000MX064B KC633M	Q20
4.81201R011 KCK15	S77
4.96082-204	U13
4.96102-204	U13
4.96102-205	U13
4.96102-206	U13
4.96124-204	U13
4.96124-205	U13
4.96124-210	U13
4.96124-212	U13
4.96164-204	U13
4.96164-205	U13
4.96164-210	U13
4.96205-208	U13
4.96255-206	U13
4.96255-208	U13
4.97060116	U7
4.97060130	U7
4.97060140	U7
4.97080116	U7
4.97080122	U7
4.97080130	U7
4.97080140	U7
4.97101116	U7
4.97101122	U7
4.97101130	U7
4.97101140	U7
4.97123116	U7
4.97123122	U7
4.97123130	U7
4.97123140	U7
4.97164122	U7
4.97164130	U7
4.97164140	U7
4.97204130	U7
4.97204140	U7
4.97254130	U7
40A02R110S63SKE25	T81
40A02R50A32SKE25	T79
40A02R80A32SKE25	T79
40A02RP90BG15CM	S143
40A02RP90BG15CPM	S144
40A03R040M16SED18	T69
40A03R050A32SED18-200	T71
40A03R050A32SED18-250	T71
40A03R050B32SED18	T70
40A03RS45SE14EG	S41
40A04R040M16SED14	T47
40A04R040M16SED18	T69
40A04R049B32SSP10G	T97
40A04R050A32SED14	T49
40A04R050A32SED14-200	T49
40A04R050A32SED18	T71
40A04R050A32SED18-200	T71
40A04R050A32SED18-250	T71
40A04R050B32SED14	T48
40A04R050B32SED18	T70
40A04RS90ED10D	T33
40A04RS90ED14D	T50
40A04RS90RP12	V72
40A05R040M16SED14	T47
40A05R050A32SED14	T49
40A05R050A32SED14-200	T49
40A05R050B32SED14	T48
40A05RS90ED14D	T50
40A06R040M16ED10	T29
40A06RS90ED10D	T33
40E02R040A32RP16L200	V77
40E03R045M16RP16	V77
40E04R045M16RP12	V70
40M3R040A32SSD12PL	V138
40M3R050M16SSD12PL	V137
410.081	E14, S72, S76
410.083	S143–147
410.084	E17–18, S79, S82
410.085	S68
410.091	E17–18
420.060	S68, S143–147
420.080	S143–144
420.100	S72, S76, S102–103, S143–144, S146
420.102	S72
420.104	S68
420.120	S68, S76, S79, S82, S102–103, S143–144, S146–147
420.160	S32, S34, S68, S72, S76, S79, S82, S143–144, S146
420.200	S10, S14, S17, S21, S25, S32, S34, S48, S53, S68, S72, S76, S79, S82, S102–103, S132, S143–144, S146, T17, T50, T72
42A04RS90RP12	V72
42A06R040M16ED10	T29
42X2R045B32STN27D	W43
460.716	J81
460.887	U8
460.888	U7–8
460.889	U7–8
460.890	U7–8
460.897	U7–8
460.898	U7–8
460.899	U7–8
46X1R100B40STNB38L	W41
470.232	S10, S14, S17, S21, S25, S32, S34, S48, S53, S68, S72, S76, S79, S82, S102–103, S143–144, S146, T50, T72
470.233	S17, S21, S25, S32, S34, S48, S53, S68, S72, S76, S79, S82, S102–103, S143–144, S146, T17, T50, T72
470.234	S21, S25, S34, S68, S72, S76, S79, S82, S102, S144, S146
470.235	S21, S25, S34, S68, S144
470.236	S21, S25
470.269	S132
470.270	S132
470.271	S132
470.272	S132
470.273	S132
479.100	S72, S76, S79, S82
4BN0300DL008A KC633M	Q29
4BN0300MR020A KC633M	Q31
4BN0400DD011A KC633M	Q30
4BN0400DL011A KC633M	Q29
4BN0400MR025A KC633M	Q31
4BN0500DD013A KC633M	Q30
4BN0500DL013A KC633M	Q29
4BN0500MR030A KC633M	Q31
4BN0600DD013A KC633M	Q30
4BN0600DL013A KC633M	Q29
4BN0600MR030A KC633M	Q31
4BN0800DD019A KC633M	Q30
4BN0800DL019A KC633M	Q29
4BN0800MR040A KC633M	Q31
4BN1000DD022A KC633M	Q30
4BN1000DL022A KC633M	Q29
4BN1000MR040A KC633M	Q31
4BN1200DD026A KC633M	Q30
4BN1200DL026A KC633M	Q29
4BN1200DL026B KC633M	Q29
4BN1200ML045A KC633M	Q31
4BN1200MR025A KC633M	Q31
4BN1400DD026A KC633M	Q30
4BN1400DL026A KC633M	Q29
4BN1600DD032A KC633M	Q30
4BN1600DL032A KC633M	Q29
4BN1600DL032B KC633M	Q29
4BN1600MR032A KC633M	Q31
4BN1800DD032A KC633M	Q30
4BN1800DL032A KC633M	Q29
4BN1800DL032B KC633M	Q29
4BN1800MR038A KC633M	Q31
4BN2000DD038A KC633M	Q30
4BN2000DL038A KC633M	Q29
4BN2000DL038B KC633M	Q29
4BN2000MR056A KC633M	Q31
4CH0200DK004A KC633M	Q24
4CH0200MR006A KC633M	Q27
4CH0250DL008A KC633M	Q24
4CH0300DK005A KC633M	Q24
4CH0300ML019A KC633M	Q27
4CH0300MR009A KC633M	Q27
4CH0300MX025A KC633M	Q27
4CH0350DL010A KC633M	Q24
4CH0400DD011A KC633M	Q26
4CH0400DK008A KC633M	Q24
4CH0400DL011A KC633M	Q24
4CH0400ML019A KC633M	Q27
4CH0400MR011A KC633M	Q27
4CH0400MX031A KC633M	Q27
4CH0450DL011A KC633M	Q24
4CH0500DD013A KC633M	Q26
4CH0500DK009A KC633M	Q24
4CH0500DL013A KC633M	Q24
4CH0500MR030A KC633M	Q27
4CH0550DL013A KC633M	Q24
4CH0600DD013A KC633M	Q26
4CH0600DK010A KC633M	Q24
4CH0600DL013A KC633M	Q24
4CH0600ML028A KC633M	Q27
4CH0600MR016A KC633M	Q27
4CH0600MX038A KC633M	Q27
4CH0650DL016A KC633M	Q24
4CH0700DK011A KC633M	Q24
4CH0700DL016A KC633M	Q24
4CH0800DD019A KC633M	Q26
4CH0800DK012A KC633M	Q24
4CH0800DL019A KC633M	Q24
4CH0800ML028A KC633M	Q27
4CH0800MR020A KC633M	Q27
4CH0800MX041A KC633M	Q27
4CH0900DK013A KC633M	Q24
4CH0900DL019A KC633M	Q24
4CH1000DD022A KC633M	Q26
4CH1000DK014A KC633M	Q24
4CH1000DL022A KC633M	Q24
4CH1000ML032A KC633M	Q27
4CH1000MR022A KC633M	Q27
4CH1000MX045A KC633M	Q27
4CH1200DD026A KC633M	Q26
4CH1200DK016A KC633M	Q24
4CH1200DK016B KC633M	Q24
4CH1200DL026A KC633M	Q24
4CH1200DL026B KC633M	Q24
4CH1200ML045A KC633M	Q27
4CH1200ML045B KC633M	Q27
4CH1200MR025A KC633M	Q27
4CH1200MR025B KC633M	Q27
4CH1200MX075A KC633M	Q27
4CH1200MX075B KC633M	Q27
4CH1400DD026A KC633M	Q26
4CH1400DK018A KC633M	Q24
4CH1400DK018B KC633M	Q24
4CH1400DL026A KC633M	Q25
4CH1400DL026B KC633M	Q25
4CH1400ML050A KC633M	Q27
4CH1400ML050B KC633M	Q27
4CH1400MR032A KC633M	Q27
4CH1400MR032B KC633M	Q27
4CH1400MX075A KC633M	Q27
4CH1400MX075B KC633M	Q27
4CH1600DD032A KC633M	Q26
4CH1600DK022A KC633M	Q25
4CH1600DK022B KC633M	Q25
4CH1600DL032A KC633M	Q25
4CH1600DL032B KC633M	Q25
4CH1600ML056A KC633M	Q28
4CH1600ML056B KC633M	Q28
4CH1600MR032A KC633M	Q27
4CH1600MR032B KC633M	Q27
4CH1600MX075A KC633M	Q28
4CH1600MX075B KC633M	Q28
4CH1800DD032A KC633M	Q26
4CH1800DK024A KC633M	Q25
4CH1800DK024B KC633M	Q25
4CH1800DL032A KC633M	Q25
4CH1800DL032B KC633M	Q25
4CH1800ML060A KC633M	Q28
4CH1800ML060B KC633M	Q28
4CH1800MR038A KC633M	Q28
4CH1800MR038B KC633M	Q28
4CH1800MX075A KC633M	Q28
4CH1800MX075B KC633M	Q28
4CH2000DD038A KC633M	Q26
4CH2000DK026A KC633M	Q25
4CH2000DK026B KC633M	Q25
4CH2000DL038A KC633M	Q25
4CH2000DL038B KC633M	Q25
4CH2000ML056A KC633M	Q28
4CH2000ML056B KC633M	Q28
4CH2000MR038A KC633M	Q28
4CH2000MR038B KC633M	Q28
4CH2000MX075A KC633M	Q28
4CH2000MX075B KC633M	Q28

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
5.34032-025115	J78
5.34032-025200	J78
5.34032-028115	J78
5.34032-028200	J78
5.34032-032125	J78
5.34050-025300	J78
5.34050-025450	J78
5.34050-028300	J78
5.34050-028450	J78
5.34050-032200	J78
5.34050-032350	J78
5.34050-032500	J78
5.34050-040148	J78
5.34050-040300	J78
5.34050-040450	J78
5.34050-040600	J78
5.34050-048168	J78
5.34050-048300	J78
5.34050-048450	J78
5.34050-048600	J78
5.34050-058186	J78
5.34050-058300	J78
5.34050-058450	J78
5.34050-058600	J78
5.34125R025150	J77
5.34128R028150	J77
5.34132R032100	J77
5.34132R032200	J77
5.34140R040200	J77
5.34148R048200	J77
5.34158R058300	J77
5.34170R070186	J77
5.34170R070300	J77
5.34170R070500	J77
5.34180R080204	J77
5.34180R080300	J77
5.34180R080500	J77
5.34240R032100	J77
5.34248R040100	J77
5.34258R048100	J77
5.34270R058100	J77
5.34280R028080	J77
5.34280R032080	J77
5.34280R040080	J77
5.34280R048080	J77
5.34280R058080	J77
5.34280R070150	J77
5.34350-090100	J81
5.36050-154040	J80
5.36050-154050	J80
50A02R100A32SKE25	T79
50A03R049A32PBG15S3WHPM	S145
50A03R060S63PBG15S3WHSM	S147
50A03R140S63SKE25	T81
50A03R80A32SKE25	T79
50A03RP90BG15CM	S143
50A03RP90BG15CPM	S144
50A03RS45SE14EG	S41
50A03RS90SD12DG	T102
50A04RP70SP12CFP	S72
50A04RP90SP12CFP	S76
50A04RS45SE14EG	S41
50A04RS90ED18D	T72
50A04RS90RP12	V72
50A04RS90RP16	V78
50A04RS90SD12DG	T102
50A04RS90SD12PL	V139
50A05RP70SP12CFP	S72
50A05RP90SP12CFP	S76
50A05RS90ED10D	T33
50A05RS90ED14D	T50
50A05RS90ED18D	T72
50A05RS90RP12	V72
50A05RS90SD12PL	V139
50A05RS90SD12PLHF	V139
50A05RS90SP10DG	T98
50A06RP70SP12CFP	S72
50A06RS90ED14D	T50
50A08RS90ED10D	T33
50A3RS90SD12L32	T109
50HC030M	G85
50HC040M	G85
50HC050M	G85
50HC060M	G85
50HC080M	G85
50HC100M	G85
511.011	B138
511.018	B111, B113, B135, B138, B163
511.022	B68, B73, B114, B120–121
511.023	B64–66, B68, B73, B111–114, B135, B138, B163, B165
511.024	B87–88, B91
511.025	B64–65, B68, B111–113
511.030	B142, B165
511.033	B64–66, B111–113
511.038	B111
511.060	B87–88
512.013	B135, B138
512.023	B135, B138
512.025	B111–113
512.053	B111, B113
512.060	B87–88
512.063	B111–114
512.083	B111–113
512.092	B111
512.112	B64–66, B68–69, B73
512.117	B64–65, B68
512.123	B64–66
512.125	B136
512.126	B136
512.131	B162
512.134	B163
512.135	B163, B165
512.153	B87–88, B91
513.018	B135, B138, B163
513.019	B111, B113
513.023	B64–66, B68–69, B73, B87–88, B91, B111–114, B135, B138, B163, B165
513.025	B64–65, B68, B111–113
513.033	B64–66, B111–113
513.038	B111
513.060	B87–88
513.125	B136
513.126	B136
513.132	B162
514.111	B138
514.112	B142, B165
514.118	B87–88, B111, B113, B135, B138, B163
514.122	B68, B73, B114, B120–121
514.123	B64–66, B68–69, B73, B111–113, B135, B138, B163, B165
514.124	B114
514.125	B64–65, B68, B111–113
514.128	B87–88, B91
514.133	B64–66, B111–113
514.138	B111
515.018	B64–66, B68–69, B87–88, B91, B111–114, B135, B138, B163, B165
515.022	B64–66, B68, B111–113
515.028	B111
5230VS09-A050Z4R51	T115
5230VS09-A050Z4R80	T115
5230VS12-A063Z4R57	T118
5230VS12-A063Z4R94	T118
5230VS12-A080Z5R110	T118
5230VS12-A080Z5R65	T118
5230VS12-A100Z6R133	T118
5230VS12-A100Z6R76	T118
52A02RS90KE25	T80
52A04RS90RP16	V78
52A05RS90RP12	V72
52A05RS90SD12PLHF	V139
536.091	J47
5505VX16CA20/016R30	V104
5505VX16SA016R25	V101
5505VX20CA25/020R40	V104
5505VX20SA020R35	V101
5505VX20WA020R34	V103
5505VX25CA025R55	V104
5505VX25CA32/025R55	V104
5505VX25SA025R40	V101
5505VX25WA025R60	V102
5505VX25WA025R69	V103
5505VX32CA032R65	V104
5505VX32SA032R50	V101
5505VX32WA032R100	V102
5505VX32WA032R75	V102
5505VX40WA040R100	V102
5505VX40WA040R150	V102
5505VX50WA050R100	V102
5505VX50WA050R150	V102
551.013	B356
551.125	B136
551.126	B136
551.131	B162
551.316	B358–361, B363–367, B369, B372–374
551.317	B358–361, B363–367, B372–373
551.332	B360
551.333	B362, B368
552.210	B369, B374
552.220	B358, B372
552.221	B356, B358–359, B372
552.225	B359–360
552.228	B360
552.229	B362
552.230	B362
552.231	B363–366
552.232	B363–367, B373
552.234	B364–365
552.235-H	B368
552.236	B368
552.240	B361
554.252	B356, B358–367, B369, B372–374
554.253	B364–365
554.254	B359–360, B368
557.111	B358–368, B372–373
557.125	B358, B361
570.850	J47
5720VZ16-A040Z3R	T88
5720VZ16-A050Z03R	T88
5720VZ16-A050Z04R	T88
5720VZ16-A063Z4R S	T88
5720VZ16-A063Z5R S	T88
5720VZ16-A080Z04R	T88
5720VZ16-A080Z5R	T88
5720VZ16CA025Z2R75	T87
5720VZ16CA032Z2R75 S	T87
5720VZ16CA032Z3R75 S	T87
5720VZ16HA025Z2R75	T89
5720VZ16HA032Z3R75	T89
5720VZ16HA040Z4R75	T89
5720VZ16HA050Z4R75	T89
5720VZ16SA025Z2R50	T86
5720VZ16SA032Z2R50	T86
5720VZ16SA032Z3R50	T86
63A02RS90KE25	T80
63A03RP90BG15CM	S143
63A03RS90KE25	T80
63A04RP00MD10CF	S68
63A04RP90BG15C1WPM	S144
63A04RP90BG15C4WHPM	S146
63A04RS45SE14EG	S41
63A04RS90RC20C	V82
63A04RS90RP16	V78
63A04RS90SD12DG	T102
63A05RS45SE14EG	S41
63A05RS90ED18D	T72
63A05RS90RP12	V72
63A05RS90SD12DG	T102
63A05RS90SD12PL	V139
63A06RF84SN12B	S102
63A06RP00MD10CF	S68
63A06RP90SP12CFP	S76
63A06RS90ED10D	T33
63A06RS90ED14D	T50
63A06RS90ED18D	T72
63A06RS90RP16	V78
63A06RS90SD12PL	V139
63A06RS90SD12PLHF	V139
63A06RS90SP10DG	T98
63A07RP90SP12CFP	S76
63A07RS90ED14D	T50
63A07RS90RP12	V72
63A08RP90SP12CFP	S76
63A09RF84SN12B	S102
63A09RF84SN12B1W	S103
63A09RS90ED10D	T33
63A3RS90SD12L50	T109
63B05RP70SP12CFP	S72
63B07RP70SP12CFP	S72
63B08RP70SP12CFP	S72
66A06RS90RP12	V72
66A06RS90SD12PLHF	V139
75HC030M	G85
75HC040M	G85
75HC050M	G85
75HC060M	G85
75HC080M	G85
75HC100M	G85
75HC120M	G85
75HC140M	G85
75HC160M	G85
7713VR10-A040Z05R	V89
7713VR10-A042Z06R	V89
7713VR10-A050Z06R	V89
7713VR10-A050Z07R	V89
7713VR10-A063Z08R	V89
7713VR10CA020Z2R40	V88–89
7713VR10CA025Z3R50	V88–89
7713VR10CA032Z3R70	V88–89
7713VR10CA032Z4R70	V88–89
7713VR10SA020Z2R25 S	V87, V89
7713VR10SA025Z2R35 S	V87, V89
7713VR10SA025Z3R35 S	V87, V89
7713VR10SA032Z3R35 S	V87, V89
7713VR10SA032Z4R35 S	V87, V89
7713VR10SA035Z5R35 S	V87, V89
7713VR12-A040Z04R	V94
7713VR12-A040Z05R	V94
7713VR12-A050Z05R	V94
7713VR12-A050Z06R	V94
7713VR12-A052Z05R	V94
7713VR12-A052Z06R	V94
7713VR12-A063Z06R	V94
7713VR12-A063Z07R	V94
7713VR12-A066Z06R	V94
7713VR12-A066Z07R	V94
7713VR12-A080Z08R	V94
7713VR12CA025Z2R50	V93–94
7713VR12CA032Z3R70	V93–94
7713VR12SA025Z2R35 S	V93–94
7713VR12SA032Z3R35 S	V93–94
7713VR12SA040Z4R43 S	V93–94
7713VR12SA040Z5R43 S	V93–94
7792VXD09-A040Z3R	V12–13
7792VXD09-A040Z4R	V12–13
7792VXD09-A040Z5R	V12–13
7792VXD09-A050Z5R	V12–13
7792VXD09-A050Z6R	V12–13
7792VXD09-A050Z7R	V12–13
7792VXD09-A052Z5R	V12–13
7792VXD09-A052Z6R	V12–13
7792VXD09-A052Z7R	V12–13
7792VXD09-A063Z5R	V12–13
7792VXD09-A063Z6R	V12–13
7792VXD09-A063Z9R	V12–13
7792VXD09-A066Z5R	V12–13
7792VXD09-A066Z6R	V12–13
7792VXD09-A066Z9R	V12–13
7792VXD09CA025Z2R50	V11, V13
7792VXD09CA025Z3R50	V11, V13
7792VXD09CA032Z3R70	V11, V13
7792VXD09CA032Z4R70	V11, V13
7792VXD09SA025Z2R35 S	V9, V13
7792VXD09SA025Z3R35	V9, V13
7792VXD09SA032Z3R43 S	V9, V13
7792VXD09SA032Z4R43	V9, V13
7792VXD09SA035Z3R43	V9
7792VXD09SA035Z4R43	V9, V13
7792VXD09SA042Z5R43	V9, V13
7792VXD09WA025Z2R	V10, V13
7792VXD09WA032Z3R	V10, V13
7792VXD12-160Z7R	V20–22
7792VXD12-A040Z4R	V20–22
7792VXD12-A050Z4R	V20–21
7792VXD12-A050Z6R	V20–22
7792VXD12-A052Z3R	V20–22

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
7792VXD12-A052Z4R	V20–22
7792VXD12-A052Z5R	V20–22
7792VXD12-A052Z6R	V20–22
7792VXD12-A063Z4R	V20–22
7792VXD12-A063Z5R	V20–22
7792VXD12-A063Z7R	V20–22
7792VXD12-A066Z4R	V20–22
7792VXD12-A066Z5R	V20–22
7792VXD12-A066Z7R	V20–22
7792VXD12-A080Z10R	V20–22
7792VXD12-A080Z5R	V20–22
7792VXD12-A080Z8R	V20–22
7792VXD12-A100Z11R	V20–22
7792VXD12-A100Z6R	V20–22
7792VXD12-A100Z9R	V20–22
7792VXD12-A125Z11R	V20–22
7792VXD12-A125Z13R	V20–22
7792VXD12-A125Z8R	V20–22
7792VXD12CA032Z2R70	V19, V22
7792VXD12CA032Z3R70	V19, V22
7792VXD12SA032Z2R43 S	V18, V22
7792VXD12SA032Z3R43	V18, V22
7792VXD12SA035Z3R43	V18, V22
7792VXD12SA042Z4R43	V18, V22
7792VXE16-160Z12R	V28–29
7792VXE16-160Z13R	V28–29
7792VXE16-A050Z3R	V28–29
7792VXE16-A050Z4R	V28–29
7792VXE16-A052Z4R	V28–29
7792VXE16-A063Z5R	V28–29
7792VXE16-A063Z6R	V28–29
7792VXE16-A066Z6R	V28–29
7792VXE16-A080Z6R	V28–29
7792VXE16-A080Z7R	V28–29
7792VXE16-A100Z8R	V28–29
7792VXE16-A100Z9R	V28–29
7792VXE16-A125Z10R	V28–29
7792VXE16-A125Z11R	V28–29
7792VXE16CA040Z2R102	V27, V29
7792VXE16CA050Z3R102	V27
7792VXP06CA016Z2R140	V5–6
7792VXP06CA020Z3R154	V5–6
7792VXP06CA025Z4R154	V5–6
7792VXP06CA032Z5R190 S	V5–6
7792VXP06SA016Z2R25 S	V4, V6
7792VXP06SA020Z2R35 S	V4, V6
7792VXP06SA020Z3R35 S	V4, V6
7792VXP06SA025Z3R35 S	V4, V6
7792VXP06SA025Z4R35 S	V4, V6
7792VXP06SA032Z5R43 S	V4, V6
7792VXP06SA035Z6R43	V4, V6
80A03RP90BG15CM	S143
80A05R090S63PBG15S5WHSM	S147
80A05RP90BG15C1WPM	S144
80A05RP90BG15C5WHPM	S146
80A05RP90SP15C1WFP	S82
80A05RS45SE14EG	S41
80A05RS90RC20C	V82
80A05RS90RP16	V78
80A05RS90SD12DG	T102
80A05RS90SD12PL	V139
80A06RP00MD10CF	S68
80A06RP90BG15C2WPM	S144
80A06RP90SP12C1WFP	S76
80A06RP90SP15C1WFP	S82
80A06RS45SE14EG	S41
80A06RS90ED18D	T72
80A06RS90RP12	V72
80A06RS90SD12DG	T102
80A06RS90SD12PL	V139
80A07RP70SP15C1WFP	S79
80A07RS90ED14D	T50
80A07RS90ED18D	T72
80A07RS90RP16	V78
80A07RS90SD12PL	V139
80A07RS90SD12PLHF	V139
80A08RF84SN12B	S102
80A08RP90SP12C2WFP	S76
80A08RS90ED10D	T33
80A08RS90RP12	V72
80A08RS90SP10DG	T98
80A09RP00MD10CF	S68
80A09RS90ED14D	T50
80A10RF45HN09C	S89
80A10RP90SP12CFP	S76
80A10RS90ED10D	T33
80A12RF84SN12B	S102
80A12RF84SN12B2W	S103
80A4RS90SD12L61	T109
80A62RF60HN09C	S94
80B06RP70SP12C1WFP	S72
80B08RP70SP12C2WFP	S72
80B10RP70SP12CFP	S72
80F08NS90LN12N06	U17
80F08NS90LN12N08	U17
80Y08RS90LN12N06	U18
80Y08RS90LN12N08	U18
840.142.200	K118–120
840.142.250	K118–120
840.142.320	K118–119
840.142.420	K118–119
840.142.550	K118–119
840.142.720	K118–119
840.142.940	K118–119
841.142.200	K118–120
841.142.250	K118–120
841.142.320	K118–119
841.142.420	K118–119
841.142.550	K118–119
841.142.720	K118–119
841.142.940	K118–119
841.342.200	K118–120
841.342.420	K118–119
843.006.000	K120–122, K136
843.009.000	K120–122, K136
843.012.000	K120–122
844.012.000	K120–122
844.016.000	K120–122
845.012.000	K120–122
845.016.000	K120–122
846.012.000	K120–122
846.016.000	K120–122
847.012.000	K120–122
847.016.000	K120–122
848.200.005	K121
848.200.407	K120–122
848.250.005	K121
848.250.409	K120–122
848.320.005	K121
848.320.413	K120–122
848.420.005	K121
848.420.614	K120–122
848.550.005	K121
848.550.620	K120–122
848.720.000	K120–122
848.720.005	K121
848.940.640	K120, K122
880.252.200	K133, K135
880.252.250	K133, K135
880.252.320	K133–134
880.252.420	K133–134
880.252.550	K133–134
881.252.200	K133, K135
881.252.250	K133, K135
881.252.320	K133–134
881.252.420	K133–134
881.252.550	K133–134
881.252.720	K133
881.252.940	K133
886038045	K132
9X1R012B12STN10M	W40
9X1R017B20STN10M	W40
A0410ESCLDRS412	B187
A0410ESCLDRS425	B187
A0412ESCLDRS412	B187
A0412ESCLDRS425	B187
A04XSCLDLS4	B186
A04XSCLDRS4	B186
A0510ESCFDRS412	B185
A0510ESCFDRS425	B185
A0510ESCLDRS412	B187
A0510ESCLDRS425	B187
A0510GSCLDRS4	B187
A05XSCLDLS4	B186
A05XSCLDRS4	B186
A0610HSCLDRS4	B187
A0612ESCFDRS431	B185
A0612ESCLDRS419	B187
A0612XSTLDR0731	B251
A0616HSTLDR0731	B251
A06HSTFDR07	B250
A06HSTLDR07	B250
A06HSWUPRS3	B273
A06MSWLCR2	B271
A06XSCLDLS4	B186
A06XSCLDRS4	B186
A08HSTFDR07	B250
A08HSTLDR07	B250
A08HSWUPRS3	B273
A08JSCFPL06	B194
A08JSCFPR06	B194
A08JSCLCL06	B182
A08JSCLCR06	B182
A08JSCLPL06	B196
A08JSCLPR06	B196
A08JSTFPL09	B257
A08JSTFPR09	B257
A08RSWLCR2	B271
A08XSCLDLS4	B186
A08XSCLDRS4	B186
A1010LSEL11	D81
A1010LSER11	D81
A1020LSEL11	D81
A1020LSER11	D81
A10KNNTOR1	C170, D37
A10KSCFPL06	B194
A10KSCFPR06	B194
A10KSCLCL06	B182
A10KSCLCR06	B182
A10KSCLPL06	B196
A10KSCLPR06	B196
A10KSCXPR06	B198
A10KSDUCL07	B213
A10KSDUCR07	B213
A10KSTFCL11	B248
A10KSTFCR11	B248
A10KSTFPL11	B257
A10KSTFPR11	B257
A10KSTWPL11	B259
A10KSTWPR11	B259
A10KSWLCR04	B271
A10SSWLCR3	B271
A12KEVEML0205M	C47
A12KEVEML1F05M	C47
A12KEVEMR0205M	C46
A12KEVEMR1F05M	C46
A12MNKLCL11	E40
A12MNKLCR11	E40
A12MNNTOL2	C169, D36
A12MNNTOR1	C170, D37
A12MNNTOR2	C169, D36
A12MSCFPL06	B194
A12MSCFPR06	B194
A12MSCLCL06	B182
A12MSCLCR06	B182
A12MSCLPL06	B196
A12MSCLPR06	B196
A12MSCXPR06	B198
A12MSDQCL07	B212
A12MSDQCR07	B212
A12MSDQPL07	B217
A12MSDQPR07	B217
A12MSDUCL07	B213
A12MSDUCR07	B213
A12MSDUPL07	B217
A12MSDUPR07	B217
A12MSDXPL07	B218
A12MSDXPR07	B218
A12MSTFCL11	B248
A12MSTFCR11	B248
A12MSTFDL11	B250
A12MSTFPL11	B257
A12MSTFPR11	B257
A12MSTWPR11	B259
A12MSWLCR04	B271
A12MSWUPR04	B273
A1320LSEL11	D81
A1320LSER11	D81
A1320LSER16	D81
A1616LSEL16	D81
A1616LSER16	D81
A1620LSEL16	D81
A1620LSER16	D81
A16MCTUPL11	B174, B371
A16MCTUPR11	B174, B371
A16MEVEML0207M	C47
A16MEVEML0307M	C47
A16MEVEML1F07M	C47
A16MEVEMR0207M	C46
A16MEVEMR0307M	C46
A16MEVEMR1F07M	C46
A16MNKLCL11	E40
A16MNKLCR11	E40
A16MNNTOL2	C169, D36
A16MNNTOR2	C169, D36
A16RA4SAL2S12M017021	C120
A16RA4SAR2S12M017021	C120
A16RCTFPR11	B174, B371
A16RPTFNR11	B138
A16RPWLNL06	B165
A16RPWLNR06	B165
A16RSCFPL09	B194
A16RSCFPR06	B194
A16RSCFPR09	B194
A16RSCLCL09	B182
A16RSCLCR09	B182
A16RSCLPL06	B196
A16RSCLPL09	B196
A16RSCLPR06	B196
A16RSCLPR09	B196
A16RSCXPR09	B198
A16RSDQCL07	B212
A16RSDQCR07	B212
A16RSDQPL07	B217
A16RSDQPR07	B217
A16RSDUCL07	B213
A16RSDUCL11	B213
A16RSDUCR07	B213
A16RSDUCR11	B213
A16RSDUPL07	B217
A16RSDUPR07	B217
A16RSDXPL07	B218
A16RSDXPR07	B218
A16RSSKCR09	B235
A16RSTFPL11	B257
A16RSTFPR11	B257
A16RSTWPR11	B259
A16RSVQBL11	B268
A16RSVQBR11	B268
A16RSWLCL06	B271
A16RSWLCR06	B271
A2020LSEL16	D81
A2020LSEL22	D81
A2020LSER16	D81
A2020LSER22	D81
A20QCTFPR11	B174, B371
A20QEVEML0207M	C47
A20QEVEML0307M	C47
A20QEVEML1F07M	C47
A20QEVEMR0207M	C46
A20QEVEMR0307M	C46
A20QEVEMR1F07M	C46
A20QNKLCL11	E40
A20QNKLCR11	E40
A20QNNTOL2	C169, D36
A20QNNTOR2	C169, D36
A20RA4EML0207M	C119
A20RA4EML0307M	C119
A20RA4EML0407M	C119
A20RA4EMR0207M	C119
A20RA4EMR0307M	C119
A20RA4EMR0407M	C119
A20RA4SAL2S12M021026	C120
A20RA4SAR2S12M021026	C120
A20RA4SAR3S14M021026	C120
A20SPTFNL11	B138
A20SPTFNR11	B138
A20SPWLNL06	B165

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
A20SPWLNR06	B165
A20SSCFPL09	B194
A20SSCFPR09	B194
A20SSCKPR09	B195
A20SSCLCL09	B182
A20SSCLCR09	B182
A20SSCLPL09	B196
A20SSCLPR06	B196
A20SSCLPR09	B196
A20SSDQCL11	B212
A20SSDQCR11	B212
A20SSDQPL11	B217
A20SSDQPR11	B217
A20SSDUCL11	B213
A20SSDUCR11	B213
A20SSDUPL11	B217
A20SSDUPR11	B217
A20SSDXPL11	B218
A20SSDXPR11	B218
A20SSTFPL16	B257
A20SSTFPR16	B257
A20SSVQBL11	B268
A20SSVQBR11	B268
A20SSVUBL11	B269
A20SSVUBR11	B269
A20SSWLCR06	B271
A2525LSEL16	D81
A2525LSEL22	D81
A2525LSER16	D81
A2525LSER22	D81
A2532LSEL16	D81
A2532LSER16	D81
A2532LSER22	D81
A25RA4EML0210M	C119
A25RA4EML0310M	C119
A25RA4EML0410M	C119
A25RA4EMR0210M	C119
A25RA4EMR0310M	C119
A25RA4EMR0410M	C119
A25RA4SAL2S12M026036	C120
A25RA4SAL3S14M026036	C120
A25RA4SAR2S12M026036	C120
A25RA4SAR3S14M026036	C120
A25RCTFPL16	B174, B371
A25RCTFPR16	B174, B371
A25RDCLNL12KC04	B66
A25RDCLNR12KC04	B66
A25RDDPNR11KC04	B89
A25RDDQNL11KC04	B89
A25RDDQNR11KC04	B89
A25RDDUNL11KC04	B90
A25RDDUNR11KC04	B90
A25RDTFNL16KC04	B137
A25RDTFNR16KC04	B137
A25RDWLNL06KC04	B163
A25RDWLNL08KC04	B163
A25RDWLNR06KC04	B163
A25RDWLNR08KC04	B163
A25REVEML0210M	C47
A25REVEML0310M	C47
A25REVEML0410M	C47
A25REVEMR0210M	C46
A25REVEMR0310M	C46
A25REVEMR0410M	C46
A25REVSAL0212M026030	C48
A25REVSAL0312M030035	C48
A25REVSAR0212M026030	C48
A25REVSAR0312M030035	C48
A25RMCLNL12	B67
A25RMCLNR09	B67
A25RMCLNR12	B67
A25RMDUNL11	B90
A25RMDUNL15	B90
A25RMDUNR11	B90
A25RMDUNR15	B90
A25RMTFNL16	B137
A25RMTFNR16	B137
A25RMVUNL16	B153
A25RMVUNR16	B153
A25RMWLNL08	B164
A25RMWLNR06	B164
A25RMWLNR08	B164
A25RNKLCL11	E40
A25RNKLCR11	E40
A25RNNTOL2	C169, D36
A25RNNTOL3	C169, D36
A25RNNTOR2	C169, D36
A25RNNTOR3	C169, D36
A25RPWLNL08	B165
A25RPWLNR08	B165
A25TNVQBR11	E42
A25TPCLNL12	B68
A25TPCLNR12	B68
A25TPSKNR12	B114
A25TPTFNL16	B138
A25TPTFNR16	B138
A25TSCFCL12	B182
A25TSCFCR12	B182
A25TSCLCL12	B182
A25TSCLCR12	B182
A25TSDQCL11	B212
A25TSDQCR11	B212
A25TSDQPL11	B217
A25TSDQPR11	B217
A25TSDUCL11	B213
A25TSDUCR11	B213
A25TSDUPR11	B217
A25TSTFPL16	B257
A25TSTFPR16	B257
A25TSVQBL16	B268
A25TSVQBR16	B268
A25TSVUBL16	B269
A25TSVUBR16	B269
A3232LSEL22	D81
A3232LSER22	D81
A32SA4EML0312M	C119
A32SA4EML0412M	C119
A32SA4EML0516M	C119
A32SA4EMR0312M	C119
A32SA4EMR0412M	C119
A32SA4EMR0516M	C119
A32SCTFPL16	B174, B371
A32SCTFPR16	B174, B371
A32SDCLNL12KC04	B66
A32SDCLNR12KC04	B66
A32SDDPNL15KC06	B89
A32SDDPNR15KC06	B89
A32SDDQNL15KC06	B89
A32SDDQNR15KC06	B89
A32SDDUNL11KC04	B90
A32SDDUNL15KC06	B90
A32SDDUNR11KC04	B90
A32SDDUNR15KC06	B90
A32SDTFNR16KC04	B137
A32SDVUNL16KC04	B152
A32SDVUNR16KC04	B152
A32SDWLNL08KC04	B163
A32SDWLNR08KC04	B163
A32SEVEML0312M	C47
A32SEVEML0412M	C47
A32SEVEMR0312M	C46
A32SEVEMR0412M	C46
A32SEVSAL0312M033042	C48
A32SEVSAR0312M033042	C48
A32SMCLNL12	B67
A32SMCLNR12	B67
A32SMDUNL11	B90
A32SMDUNL15	B90
A32SMDUNR11	B90
A32SMDUNR15	B90
A32SMSKNL12	B114
A32SMTFNL16	B137
A32SMTFNR16	B137
A32SMVUNL16	B153
A32SMVUNR16	B153
A32SMWLNL06	B164
A32SMWLNL08	B164
A32SMWLNR06	B164
A32SMWLNR08	B164
A32SNKLCR11	E40
A32SNNTOL3	C169, D36
A32SNNTOR3	C169, D36
A32SNVOCL16	E42
A32SNVOCR16	E42
A32SNVQCR16	E43
A32SPWLNL08	B165
A32SPWLNR08	B165
A32TSCLCL12	B182
A32TSCLCR12	B182
A32TSDUCL15	B213
A32TSDUCR15	B213
A32TSTFCR16	B248
A32TSTFPR16	B257
A32UPCLNL12	B68
A32UPCLNR12	B68
A32UPCLNR16	B68
A32UPSKNR12	B114
A32UPTFNL16	B138
A32UPTFNR16	B138
A4040LSEL22	D81
A4040LSER22	D81
A40TA4EML0416M	C119
A40TA4EML0516M	C119
A40TA4EML0616M	C119
A40TA4EMR0416M	C119
A40TA4EMR0516M	C119
A40TA4EMR0616M	C119
A40TDCLNL12KC04	B66
A40TDCLNL16KC06	B66
A40TDCLNR12KC04	B66
A40TDDPNL15KC06	B89
A40TDDPNR15KC06	B89
A40TDDQNL15KC06	B89
A40TDDQNR15KC06	B89
A40TDDUNL15KC06	B90
A40TDDUNR15KC06	B90
A40TDVUNL16KC04	B152
A40TDVUNR16KC04	B152
A40TDWLNR08KC04	B163
A40TEVSAL0312M041050	C48
A40TEVSAR0312M041050	C48
A40TMCLNL12	B67
A40TMCLNL16	B67
A40TMCLNR12	B67
A40TMCLNR16	B67
A40TMDUNL15	B90
A40TMDUNR15	B90
A40TMSKNL12	B114
A40TMSKNR12	B114
A40TMTFNR16	B137
A40TMWLNL08	B164
A40TMWLNR08	B164
A40TNKLNR15	E41
A40TNNTOL3	C169, D36
A40TNNTOL4	C169, D36
A40TNNTOR3	C169, D36
A40TNNTOR4	C169, D36
A40TNVOCL16	E42
A40TPWLNL08	B165
A40TPWLNR08	B165
A40VCTFPR16	B174, B371
A40VPCLNL12	B68
A40VPCLNL16	B68
A40VPCLNR12	B68
A40VPCLNR16	B68
A40VPTFNR22	B138
A4BHCL26K0317R	C122
A4BHCL32K0217L	C122
A4BHCL32K0317L	C122
A4BHCL32K0317R	C122
A4BHCR26K0317L	C122
A4BHCR32K0217R	C122
A4C0155L06CF01 KC5025	C103
A4C0155N00CF01 KC5025	C102
A4C0155N00CF01 KCU25	C102
A4C0155R06CF01 KC5025	C103
A4C0155R10CF01 KCU25	C103
A4C0155R16CF01 KC5025	C103
A4C0205L06CF02 KCU25	C103
A4C0205L10CF02 KC5025	C103
A4C0205N00CF02 KC5025	C102
A4C0205N00CF02 KCU25	C102
A4C0205R06CF02 KC5025	C103
A4C0205R06CF02 KCU25	C103
A4C0205R10CF02 KCU25	C103
A4C0255N00CF02 KC5025	C102
A4C0255N00CF02 KCU25	C102
A4C0255R06CF02 KC5025	C103
A4C0305L06CF02 KC5025	C103
A4C0305L06CF02 KCU25	C103
A4C0305L10CF02 KCU25	C103
A4C0305N00CF02 KC5025	C102
A4C0305N00CF02 KCU25	C102
A4C0305R06CF02 KC5025	C103
A4C0305R06CF02 KCU25	C103
A4C0305R10CF02 KC5025	C103
A4C0305R10CF02 KCU25	C103
A4C0405L06CF02 KCU25	C103
A4C0405L10CF02 KCU25	C103
A4C0405N00CF02 KC5025	C102
A4C0405N00CF02 KCU25	C102
A4C0405R06CF02 KCU25	C103
A4C0405R10CF02 KC5025	C103
A4C0405R10CF02 KCU25	C103
A4ENN2020K0305	C118
A4ENN2020K0407	C118
A4ENN2020K0611	C118
A4ENN2525M0305	C118
A4ENN2525M0407	C118
A4ENN2525M0509	C118
A4ENN2525M0611	C118
A4ENN3232P0611	C118
A4G0200M02P02GMP KC5010	C95
A4G0200M02P02GMP KC5025	C95
A4G0200M02P02GMP KCU10	C95
A4G0200M02P02GMP KCU25	C95
A4G0200M02P02GUP KCU10	C93
A4G0200M02P02GUP KCU25	C93
A4G0200M2SP02GUP KCU10	C98
A4G0200M2SP02GUP KCU25	C98
A4G0205M02U02GMN KC5010	C96
A4G0205M02U02GMN KC5025	C96
A4G0205M02U02GMN KCP10	C96
A4G0205M02U02GMN KCU10	C96
A4G0205M02U02GMN KCU25	C96
A4G0205M02U02GMP KC5010	C95
A4G0205M02U02GMP KC5025	C95
A4G0205M02U02GMP KCU25	C95
A4G0205M02U02GUP KCP10	C92
A4G0205M02U02GUP KCP25	C92
A4G0205M02U02GUP KCU10	C92
A4G0205M02U02GUP KCU25	C92
A4G0205M2SU02GMN KCU10	C99
A4G0205M2SU02GMN KCU25	C99
A4G0205M2SU02GUP KCU10	C99
A4G0205M2SU02GUP KCU25	C99
A4G0250M2BP02GMP KC5010	C95
A4G0250M2BP02GMP KCU10	C95
A4G0255M2BU02GMN KC5025	C96
A4G0255M2BU02GMP KC5025	C95
A4G0255M2BU02GMP KCU25	C95
A4G0300M03P02GMP K313	C95
A4G0300M03P02GMP KC5010	C95
A4G0300M03P02GMP KC5025	C95
A4G0300M03P02GMP KCU10	C95
A4G0300M03P02GMP KCU25	C95
A4G0300M03P02GUP KCU10	C93
A4G0300M03P02GUP KCU25	C93
A4G0300M03P04E KD1405	B352, C100
A4G0300M03P04EST KB1630	C101
A4G0300M03P04GMP K313	C95
A4G0300M03P04GMP KC5010	C95
A4G0300M03P04GMP KC5025	C95
A4G0300M03P04GMP KCU10	C95
A4G0300M03P04GMP KCU25	C95
A4G0300M03P04GUP KCU10	C93
A4G0300M03P04GUP KCU25	C93
A4G0300M03P04S02025ST KB1630	C101
A4G0300M03P04S02025ST KB5625	C101
A4G0300M03P04T01025 KY3500	B300, C100
A4G0300M3SP02GUP KCU10	C98
A4G0300M3SP02GUP KCU25	C98
A4G0300M3SP04GUP KCU10	C98
A4G0300M3SP04GUP KCU25	C98
A4G0305M03U02B KC5025	C98
A4G0305M03U02B KCK20	C98
A4G0305M03U02B KCU25	C98
A4G0305M03U02GMN KC5010	C96

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
A4G0305M03U02GMN KC5025	C96
A4G0305M03U02GMN KCP10	C96
A4G0305M03U02GMN KCP25	C96
A4G0305M03U02GMN KCU10	C96
A4G0305M03U02GMN KCU25	C96
A4G0305M03U02GMP KC5010	C95
A4G0305M03U02GMP KC5025	C95
A4G0305M03U02GMP KCU10	C95
A4G0305M03U02GMP KCU25	C95
A4G0305M03U02GMP KT315	C95
A4G0305M03U02GUP KCP10	C92
A4G0305M03U02GUP KCP25	C92
A4G0305M03U02GUP KCU10	C92
A4G0305M03U02GUP KCU25	C92
A4G0305M03U04GMN KC5010	C96
A4G0305M03U04GMN KC5025	C96
A4G0305M03U04GMN KCP10	C96
A4G0305M03U04GMN KCP25	C96
A4G0305M03U04GMN KCU10	C96
A4G0305M03U04GMN KCU25	C96
A4G0305M03U04GMP KC5010	C95
A4G0305M03U04GMP KC5025	C95
A4G0305M03U04GMP KCU10	C95
A4G0305M03U04GMP KCU25	C95
A4G0305M03U04GMP KT315	C95
A4G0305M03U04GUP KCP10	C92
A4G0305M03U04GUP KCP25	C92
A4G0305M03U04GUP KCU10	C92
A4G0305M03U04GUP KCU25	C92
A4G0305M3SU02GMN KCU25	C99
A4G0305M3SU02GUP KCU10	C99
A4G0305M3SU02GUP KCU25	C99
A4G0305M3SU04GMN KCU10	C99
A4G0305M3SU04GMN KCU25	C99
A4G0305M3SU04GUP KCU10	C99
A4G0305M3SU04GUP KCU25	C99
A4G0400M04P02GMP K313	C95
A4G0400M04P02GMP KC5010	C95
A4G0400M04P02GMP KC5025	C95
A4G0400M04P02GMP KCU10	C95
A4G0400M04P02GMP KCU25	C95
A4G0400M04P02GUP KCU10	C93
A4G0400M04P02GUP KCU25	C93
A4G0400M04P04E KD1405	B352, C100
A4G0400M04P04GMP K313	C95
A4G0400M04P04GMP KC5010	C95
A4G0400M04P04GMP KC5025	C95
A4G0400M04P04GMP KCU10	C95
A4G0400M04P04GMP KCU25	C95
A4G0400M04P04GUP KCU10	C93
A4G0400M04P04GUP KCU25	C93
A4G0400M04P04S02025ST KB1630	C101
A4G0400M04P04S02025ST KB5625	C101
A4G0400M04P04T01025 KY3500	B300, C100
A4G0400M04P08GMP KC5010	C95
A4G0400M04P08GMP KC5025	C95
A4G0400M04P08GMP KCU10	C95
A4G0400M04P08GMP KCU25	C95
A4G0400M04P08GUP KCU10	C93
A4G0400M04P08GUP KCU25	C93
A4G0400M4SP04GUP KCU10	C98
A4G0400M4SP08GUP KCU10	C98
A4G0405M04U04B KC5025	C98
A4G0405M04U04B KCK20	C98
A4G0405M04U04GMN KC5010	C96
A4G0405M04U04GMN KC5025	C96
A4G0405M04U04GMN KCP25	C96
A4G0405M04U04GMN KCU10	C96
A4G0405M04U04GMN KCU25	C96
A4G0405M04U04GMP KC5010	C95
A4G0405M04U04GMP KC5025	C95
A4G0405M04U04GMP KCP10	C95
A4G0405M04U04GMP KCP25	C95
A4G0405M04U04GMP KCU10	C95
A4G0405M04U04GMP KCU25	C95
A4G0405M04U04GMP KT315	C95
A4G0405M04U04GUP KCP10	C92
A4G0405M04U04GUP KCP25	C92
A4G0405M04U04GUP KCU10	C92
A4G0405M04U04GUP KCU25	C92
A4G0405M04U08GMN KC5010	C96
A4G0405M04U08GMN KC5025	C96
A4G0405M04U08GMN KCP10	C96
A4G0405M04U08GMN KCP25	C96
A4G0405M04U08GMN KCU10	C96
A4G0405M04U08GMN KCU25	C96
A4G0405M04U08GMP KC5010	C95
A4G0405M04U08GMP KC5025	C95
A4G0405M04U08GMP KCU25	C95
A4G0405M04U08GMP KT315	C95
A4G0405M04U08GUP KCP10	C92
A4G0405M04U08GUP KCP25	C92
A4G0405M04U08GUP KCU10	C92
A4G0405M04U08GUP KCU25	C92
A4G0405M4SU04GMN KCU10	C99
A4G0405M4SU04GMN KCU25	C99
A4G0405M4SU04GUP KCU10	C99
A4G0405M4SU04GUP KCU25	C99
A4G0405M4SU08GMN KCU25	C99
A4G0500M05P04GMP K313	C95
A4G0500M05P04GMP KC5010	C95
A4G0500M05P04GMP KC5025	C95
A4G0500M05P04GMP KCU10	C95
A4G0500M05P04GMP KCU25	C95
A4G0500M05P04GUP KCU10	C93
A4G0500M05P04GUP KCU25	C93
A4G0500M05P08E KD1405	B352, C100
A4G0500M05P08EST KB1630	C101
A4G0500M05P08GMP K313	C95
A4G0500M05P08GMP KC5010	C95
A4G0500M05P08GMP KC5025	C95
A4G0500M05P08GMP KCU10	C95
A4G0500M05P08GUP KCU10	C93
A4G0500M05P08GUP KCU25	C93
A4G0500M05P08S02025ST KB5625	C101
A4G0500M05P08T01025 KY3500	B300, C100
A4G0500M5SP04GUP KCU25	C98
A4G0500M5SP08GUP KCU10	C98
A4G0505M05U04B KCK20	C98
A4G0505M05U04B KCU25	C98
A4G0505M05U04GMN KC5010	C96
A4G0505M05U04GMN KC5025	C96
A4G0505M05U04GMN KCP10	C96
A4G0505M05U04GMN KCP25	C96
A4G0505M05U04GMN KCU10	C96
A4G0505M05U04GMN KCU25	C96
A4G0505M05U04GMP KC5010	C95
A4G0505M05U04GMP KC5025	C95
A4G0505M05U04GMP KCP10	C95
A4G0505M05U04GMP KCU10	C95
A4G0505M05U04GMP KCU25	C95
A4G0505M05U04GUP KCP10	C92
A4G0505M05U04GUP KCP25	C92
A4G0505M05U04GUP KCU10	C92
A4G0505M05U04GUP KCU25	C92
A4G0505M05U08GMN KC5010	C96
A4G0505M05U08GMN KC5025	C96
A4G0505M05U08GMN KCP10	C96
A4G0505M05U08GMN KCP25	C96
A4G0505M05U08GMN KCU10	C96
A4G0505M05U08GMN KCU25	C96
A4G0505M05U08GMP KC5010	C95
A4G0505M05U08GMP KC5025	C95
A4G0505M05U08GMP KCP10	C95
A4G0505M05U08GMP KCU25	C95
A4G0505M05U08GUP KCP10	C92
A4G0505M05U08GUP KCP25	C92
A4G0505M05U08GUP KCU10	C92
A4G0505M05U08GUP KCU25	C92
A4G0505M5SU04GMN KCU10	C99
A4G0505M5SU04GMN KCU25	C99
A4G0505M5SU04GUP KCU10	C99
A4G0505M5SU04GUP KCU25	C99
A4G0505M5SU08GUP KCU25	C99
A4G0600M06P04GMP KC5010	C95
A4G0600M06P04GMP KCU10	C95
A4G0600M06P04GMP KCU25	C95
A4G0600M06P04GUP KCU10	C93
A4G0600M06P04GUP KCU25	C93
A4G0600M06P08EST KB1630	C101
A4G0600M06P08GMP KC5010	C95
A4G0600M06P08GMP KC5025	C95
A4G0600M06P08GMP KCU10	C95
A4G0600M06P08GMP KCU25	C95
A4G0600M06P08GUP KCU10	C93
A4G0600M06P08GUP KCU25	C93
A4G0600M06P08S02025ST KB5625	C101
A4G0600M06P08T01025 KY3500	B300, C100
A4G0605M06U04B KCK20	C98
A4G0605M06U04B KCU25	C98
A4G0605M06U04GMN KC5010	C96
A4G0605M06U04GMN KC5025	C96
A4G0605M06U04GMN KCP10	C96
A4G0605M06U04GMN KCP25	C96
A4G0605M06U04GMN KCU10	C96
A4G0605M06U04GMN KCU25	C96
A4G0605M06U04GMP KC5010	C95
A4G0605M06U04GMP KC5025	C95
A4G0605M06U04GMP KCP25	C95
A4G0605M06U04GUP KCP10	C92
A4G0605M06U04GUP KCP25	C92
A4G0605M06U04GUP KCU10	C92
A4G0605M06U04GUP KCU25	C92
A4G0605M06U08GMN KC5010	C96
A4G0605M06U08GMN KC5025	C96
A4G0605M06U08GMN KCP10	C96
A4G0605M06U08GMN KCP25	C96
A4G0605M06U08GMN KCU10	C96
A4G0605M06U08GMN KCU25	C96
A4G0605M06U08GMN KT315	C96
A4G0605M06U08GMP KC5010	C95
A4G0605M06U08GMP KC5025	C95
A4G0605M06U08GUP KCP10	C92
A4G0605M06U08GUP KCP25	C92
A4G0605M06U08GUP KCU10	C92
A4G0605M06U08GUP KCU25	C92
A4G0605M06U12GMN KC5010	C96
A4G0605M06U12GMN KC5025	C96
A4G0605M06U12GMN KCP25	C96
A4G0605M06U12GMP KCP10	C92
A4G0605M06U12GUP KCP25	C92
A4G0605M06U12GUP KCU10	C92
A4G0605M06U12GUP KCU25	C92
A4G0800M08P08GMP KC5010	C95
A4G0800M08P08GMP KC5025	C95
A4G0800M08P08GUP KCU10	C93
A4G0800M08P08GUP KCU25	C93
A4G0800M08P08T01025 KY3500	B300, C100
A4G0800M08P12GMP KCU10	C95
A4G0800M08P12GUP KCU10	C93
A4G0800M08P12GUP KCU25	C93
A4G0805M08U08B KCK20	C98
A4G0805M08U08GMN KC5010	C96
A4G0805M08U08GMN KCP10	C96
A4G0805M08U08GMN KCP25	C96
A4G0805M08U08GMN KCU10	C96
A4G0805M08U08GMN KCU25	C96
A4G0805M08U08GMP KC5025	C95
A4G0805M08U08GMP KCU25	C95
A4G0805M08U08GUP KCP10	C92
A4G0805M08U08GUP KCP25	C92
A4G0805M08U08GUP KCU10	C92
A4G0805M08U08GUP KCU25	C92
A4G0805M08U12GMN KC5010	C96
A4G0805M08U12GMN KCP10	C96
A4G0805M08U12GMN KCP25	C96
A4G0805M08U12GMN KCU25	C96
A4G0805M08U12GUP KCP10	C92
A4G0805M08U12GUP KCP25	C92
A4G0805M08U12GUP KCU10	C92
A4G0805M08U12GUP KCU25	C92
A4G0941I2BP05GMN KC5010	C97
A4G0941I2BP05GMN KCU10	C97
A4G0941I2BP05GUP KCU25	C93
A4G1000M10P08GUP KCU10	C93
A4G1000M10P08GUP KCU25	C93
A4G1000M10P12GUP KCU10	C93
A4G1000M10P12GUP KCU25	C93
A4G1005M10U08B KCK20	C98
A4G1005M10U08GMN KC5025	C96
A4G1005M10U08GMN KCP10	C96
A4G1005M10U08GMN KCP25	C96
A4G1005M10U08GMN KCU25	C96
A4G1005M10U08GMP KCU10	C95
A4G1005M10U08GMP KCU25	C95
A4G1005M10U08GUP KCP10	C92
A4G1005M10U08GUP KCU10	C92
A4G1005M10U08GUP KCU25	C92
A4G1005M10U12GMN KC5025	C96
A4G1005M10U12GMN KCP25	C96
A4G1005M10U12GUP KCP25	C92
A4G1005M10U12GUP KCU25	C92
A4G125I03P05GMN KC5010	C97
A4G125I03P05GMN KC5025	C97
A4G125I03P05GMN KCU10	C97
A4G125I03P05GMN KCU25	C97
A4G125I03P05GUP KCU25	C93
A4G125I03P1GMN KC5010	C97
A4G125I03P1GMN KC5025	C97
A4G125I03P1GMN KCU10	C97
A4G125I03P1GMN KCU25	C97
A4G125I03P1GUP KCU25	C93
A4G125I03P1T0425 KY3500	B300, C100
A4G187I04P1GMN KC5010	C97
A4G187I04P1GMN KCU10	C97
A4G187I04P1GMN KCU25	C97
A4G187I04P1GUP KCU25	C93
A4G187I04P2GMN KC5010	C97
A4G187I04P2GMN KC5025	C97
A4G187I04P2GMN KCU10	C97
A4G187I04P2GMN KCU25	C97
A4G250I06P1GMN KC5010	C97
A4G250I06P1GMN KCU10	C97
A4G250I06P1GMN KCU25	C97
A4G250I06P1GUP KCU25	C93
A4G250I06P2GMN KC5010	C97
A4G250I06P2GMN KCU10	C97
A4G250I06P2GMN KCU25	C97
A4G250I06P2GUP KCU25	C93
A4G250I06P2T0425 KY3500	B300, C100
A4G312I08P1GMN KC5010	C97
A4G312I08P1GMN KCU25	C97
A4G312I08P1GUP KCU25	C93
A4G375I10P1GMN KC5010	C97
A4G375I10P1GUP KCU25	C93
A4G375I10P2GMN KC5010	C97
A4G375I10P2GMN KCU10	C97
A4M50L0212A060084	C126
A4M50L0212A120254	C126
A4M50L0212A250999	C126
A4M50L0212B036046	C128
A4M50L0212B042054	C128
A4M50L0212B050064	C128
A4M50L0212B060084	C128
A4M50L0212B080124	C128
A4M50L0212B120254	C128
A4M50L0214M	C124
A4M50L0314A036048	C126
A4M50L0314A068100	C126
A4M50L0314A090160	C126
A4M50L0314A130300	C126
A4M50L0314A290999	C126
A4M50L0314B036048	C128
A4M50L0314B042058	C128
A4M50L0314B052074	C128
A4M50L0314B068100	C128
A4M50L0314B090160	C128
A4M50L0314B130300	C128
A4M50L0314B290999	C128
A4M50L0314M	C124
A4M50L0314MC	C123
A4M50L0414A064100	C126
A4M50L0414A092150	C126
A4M50L0414A132300	C126
A4M50L0414A290999	C126
A4M50L0414B048072	C128
A4M50L0414B064100	C128
A4M50L0414B092150	C128
A4M50L0414B132300	C128
A4M50L0414B290999	C128
A4M50L0414M	C124
A4M50L0414MC	C123
A4M50L0519A058094	C126
A4M50L0519A080136	C126
A4M50L0519A120300	C126
A4M50L0519A250999	C126
A4M50L0519B058094	C128
A4M50L0519B080136	C128

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
A4M50L0519B120300	C128
A4M50L0519B250999	C128
A4M50L0519M	C124
A4M50L0519MC	C123
A4M50L2B14M	C124
A4M50L2S12B016020	C128
A4M50L2S12B020025	C128
A4M50L2S12B025036	C128
A4M50L3S14B020025	C128
A4M50L3S14B025036	C128
A4M50L4S14B035048	C128
A4M50L5S17B028038	C128
A4M50R0212A036046	C125
A4M50R0212A042054	C125
A4M50R0212A050064	C125
A4M50R0212A060084	C125
A4M50R0212A080124	C125
A4M50R0212A120254	C125
A4M50R0212A250999	C125
A4M50R0212B036046	C127
A4M50R0212B042054	C127
A4M50R0212B050064	C127
A4M50R0212B060084	C127
A4M50R0212B080124	C127
A4M50R0212B120254	C127
A4M50R0212B250999	C127
A4M50R0214M	C124
A4M50R0314A036048	C125
A4M50R0314A042058	C125
A4M50R0314A052074	C125
A4M50R0314A068100	C125
A4M50R0314A090160	C125
A4M50R0314A130300	C125
A4M50R0314A290999	C125
A4M50R0314B036048	C127
A4M50R0314B042058	C127
A4M50R0314B052074	C127
A4M50R0314B068100	C127
A4M50R0314B090160	C127
A4M50R0314B130300	C127
A4M50R0314B290999	C127
A4M50R0314M	C124
A4M50R0314MC	C123
A4M50R0414A048072	C125
A4M50R0414A064100	C125
A4M50R0414A092150	C125
A4M50R0414A132300	C125
A4M50R0414A290999	C125
A4M50R0414B048072	C127
A4M50R0414B064100	C127
A4M50R0414B092150	C127
A4M50R0414B132300	C127
A4M50R0414B290999	C127
A4M50R0414M	C124
A4M50R0414MC	C123
A4M50R0519A058094	C125
A4M50R0519A080136	C125
A4M50R0519A120300	C125
A4M50R0519A250999	C125
A4M50R0519B058094	C127
A4M50R0519B080136	C127
A4M50R0519B120300	C127
A4M50R0519B250999	C127
A4M50R0519M	C124
A4M50R0519MC	C123
A4M50R2S12B016020	C127
A4M50R2S12B020025	C127
A4M50R2S12B025036	C127
A4M50R3S14B020025	C127
A4M50R3S14B025036	C127
A4M50R4S14B025035	C127
A4M50R5S17B028038	C127
A4M65L0522MC	C123
A4M65L0620M	C124
A4M65L0620MC	C123
A4M65L0624A070-112	C126
A4M65L0624A100-212	C126
A4M65L0624A200-999	C126
A4M65L0624B070-112	C128
A4M65L0624B100-212	C128
A4M65L0624B200-999	C128
A4M65L0626M	C124
A4M65L0626MC	C123
A4M65L0820M	C124
A4M65L0820MC	C123
A4M65L0824B090-200	C128
A4M65L0824B184-999	C128
A4M65L0826M	C124
A4M65L0826MC	C123
A4M65L1020M	C124
A4M65L1020MC	C123
A4M65L1024A200-999	C126
A4M65L1024B200-999	C128
A4M65L1026M	C124
A4M65L1026MC	C123
A4M65R0522MC	C123
A4M65R0620M	C124
A4M65R0620MC	C123
A4M65R0624A070-112	C125
A4M65R0624A100-212	C125
A4M65R0624A200-999	C125
A4M65R0624B070-112	C127
A4M65R0624B100-212	C127
A4M65R0624B200-999	C127
A4M65R0626M	C124
A4M65R0626MC	C123
A4M65R0820MC	C123
A4M65R0824A090-200	C125
A4M65R0824A184-999	C125
A4M65R0824B090-200	C127
A4M65R0824B184-999	C127
A4M65R0826M	C124
A4M65R0826MC	C123
A4M65R1020MC	C123
A4M65R1024A200-999	C125
A4M65R1024B100-220	C127
A4M65R1024B200-999	C127
A4M65R1026M	C124
A4M65R1026MC	C123
A4R0200M02P00GMP KC5010	C96
A4R0200M02P00GMP KC5025	C96
A4R0200M02P00GMP KCU10	C96
A4R0200M02P00GMP KCU25	C96
A4R0200M2SP00GMP KCU25	C99
A4R0205M02U00GMN KC5010	C97
A4R0205M02U00GMN KC5025	C97
A4R0205M02U00GMN KCP10	C97
A4R0205M02U00GMN KCU25	C97
A4R0300M03P00EST KB1630	B337, C102
A4R0300M03P00GMP K313	C96
A4R0300M03P00GMP KC5010	C96
A4R0300M03P00GMP KC5025	C96
A4R0300M03P00GMP KCU10	C96
A4R0300M03P00GMP KCU25	C96
A4R0300M03P00GUP KCU10	C94
A4R0300M03P00GUP KCU25	C94
A4R0300M03P00T01025 KY3500	B300, C100
A4R0300M3SP00GMP KCU25	C99
A4R0305M03U00GMN KC5010	C97
A4R0305M03U00GMN KC5025	C97
A4R0305M03U00GMN KCP10	C97
A4R0305M03U00GMN KCP25	C97
A4R0305M03U00GMN KCU10	C97
A4R0305M03U00GMN KCU25	C97
A4R0305M03U00GUP KCU10	C94
A4R0305M03U00GUP KCU25	C94
A4R0400M04P00EST KB1630	B337, C102
A4R0400M04P00GMP K313	C96
A4R0400M04P00GMP KC5010	C96
A4R0400M04P00GMP KC5025	C96
A4R0400M04P00GMP KCU10	C96
A4R0400M04P00GMP KCU25	C96
A4R0400M04P00GUP KCU25	C94
A4R0405M04U00GMN KC5010	C97
A4R0405M04U00GMN KC5025	C97
A4R0405M04U00GMN KCP10	C97
A4R0405M04U00GMN KCP25	C97
A4R0405M04U00GMN KCU10	C97
A4R0405M04U00GMN KCU25	C97
A4R0405M04U00GUP KCU25	C92
A4R0500M05P00E KD1405	B352, C101
A4R0500M05P00EST KB1630	B337, C102
A4R0500M05P00GMP K313	C96
A4R0500M05P00GMP KC5010	C96
A4R0500M05P00GMP KC5025	C96
A4R0500M05P00GMP KCU10	C96
A4R0500M05P00GMP KCU25	C96
A4R0500M05P00GUP KCU25	C94
A4R0500M05P00T01025 KY3500	B300, C100
A4R0500M5SP00GMP KCU25	C99
A4R0505M05U00GMN KC5010	C97
A4R0505M05U00GMN KC5025	C97
A4R0505M05U00GMN KCP10	C97
A4R0505M05U00GMN KCP25	C97
A4R0505M05U00GMN KCU10	C97
A4R0505M05U00GMN KCU25	C97
A4R0505M05U00GUP KCU10	C94
A4R0505M05U00GUP KCU25	C94
A4R0600M06P00EST KB1630	B337, C102
A4R0600M06P00GMP KC5010	C96
A4R0600M06P00GMP KC5025	C96
A4R0600M06P00GMP KCU10	C96
A4R0600M06P00GMP KCU25	C96
A4R0600M06P00GUP KCU10	C94
A4R0600M06P00GUP KCU25	C94
A4R0600M06P00T01025 KY3500	B300, C100
A4R0605M06U00GMN KC5010	C97
A4R0605M06U00GMN KC5025	C97
A4R0605M06U00GMN KCP10	C97
A4R0605M06U00GMN KCP25	C97
A4R0605M06U00GMN KCU10	C97
A4R0605M06U00GMN KCU25	C97
A4R0605M06U00GUP KCU25	C92
A4R0800M08P00GMP KC5010	C96
A4R0800M08P00GMP KCU10	C96
A4R0800M08P00GMP KCU25	C96
A4R0800M08P00GUP KCU25	C94
A4R0800M08P00T01025 KY3500	B300, C100
A4R0805M08U00GMN KC5010	C97
A4R0805M08U00GMN KC5025	C97
A4R0805M08U00GMN KCP10	C97
A4R0805M08U00GMN KCP25	C97
A4R0805M08U00GMN KCU10	C97
A4R0805M08U00GMN KCU25	C97
A4R0805M08U00GUP KCU25	C92
A4R1000M10P00GUP KCU10	C94
A4R1000M10P00GUP KCU25	C94
A4R1005M10U00GMN KCP25	C97
A4R1005M10U00GMN KCU10	C97
A4R1005M10U00GMN KCU25	C97
A4R1005M10U00GUP KCU10	C94
A4R1005M10U00GUP KCU25	C94
A4R125I03P00GMN KC5010	C97
A4R125I03P00GMN KC5025	C97
A4R125I03P00GMN KCU10	C97
A4R125I03P00GMN KCU25	C97
A4R125I03P00GUP KCU10	C94
A4R125I03P00GUP KCU25	C94
A4R187I04P00GMN KC5010	C97
A4R187I04P00GMN KC5025	C97
A4R187I04P00GMN KCU10	C97
A4R187I04P00GMN KCU25	C97
A4R187I04P00GUP KCU25	C94
A4R250I06P00GMN KC5010	C97
A4R250I06P00GMN KC5025	C97
A4R250I06P00GMN KCU10	C97
A4R250I06P00GMN KCU25	C97
A4R250I06P00GUP KCU10	C94
A4R250I06P00GUP KCU25	C94
A4R250I06P00T0425 KY3500	B300, C100
A4R312I08P00GMN KCU10	C97
A4R312I08P00GUP KCU10	C94
A4R375I10P00GMN KC5025	C97
A4SBL2020K2S12016020	C115
A4SBL2020K2S12025036	C115
A4SBL2020K3S14020025	C115
A4SBL2020K4S14025035	C115
A4SBL2525M5S19038058	C115
A4SBR2020K2S12016020	C115
A4SBR2020K2S12020025	C115
A4SBR2020K2S12025036	C115
A4SBR2020K3S14020025	C115
A4SBR2020K3S14025036	C115
A4SBR2020K4S14035048	C115
A4SBR2525M5S19028038	C115
A4SBR2525M5S19038058	C115
A4SCL1212K0113	C114
A4SCL1212K0214	C114
A4SCL1616K0113	C114
A4SCL1616K0217	C114
A4SCL1616K0317	C114
A4SCL2020K0113	C114
A4SCR1010K0113	C114
A4SCR1212K0113	C114
A4SCR1212K0214	C114
A4SCR1212K0314	C114
A4SCR1616K0113	C114
A4SCR1616K0217	C114
A4SCR1616K0317	C114
A4SCR2020K0113	C114
A4SML1616K0214	C113
A4SML1616K0314	C113
A4SML2016K0317	C113
A4SML2020K0208	C114
A4SML2020K0214	C113
A4SML2020K0217	C113
A4SML2020K0308	C114
A4SML2020K0314	C113
A4SML2020K0317	C113
A4SML2020K0408	C114
A4SML2020K0414	C113
A4SML2020K0417	C113
A4SML2020K0519	C113
A4SML2020K0620	C113
A4SML2525M0214	C113
A4SML2525M0217	C113
A4SML2525M0317	C113
A4SML2525M0417	C113
A4SML2525M0510	C114
A4SML2525M0520	C113
A4SML2525M0610	C114
A4SML2525M0620	C113
A4SML2525M0820	C113
A4SML3225P0417	C113
A4SML3225P0522	C113
A4SML3225P0626	C113
A4SML3225P0826	C113
A4SML3225P1026	C113
A4SMR1616K0214	C112
A4SMR1616K0314	C112
A4SMR2016K0317	C112
A4SMR2016K0417	C112
A4SMR2020K0208	C114
A4SMR2020K0214	C112
A4SMR2020K0217	C112
A4SMR2020K0308	C114
A4SMR2020K0314	C112
A4SMR2020K0317	C112
A4SMR2020K0408	C114
A4SMR2020K0414	C112
A4SMR2020K0417	C112
A4SMR2020K0519	C112
A4SMR2020K0620	C112
A4SMR2525M0214	C112
A4SMR2525M0217	C112
A4SMR2525M0317	C112
A4SMR2525M0417	C112
A4SMR2525M0510	C114
A4SMR2525M0520	C112
A4SMR2525M0610	C114
A4SMR2525M0620	C112
A4SMR2525M0820	C112
A4SMR3225P0417	C112
A4SMR3225P0522	C112
A4SMR3225P0626	C112
A4SMR3225P0826	C112
A4SMR3225P1026	C112
A50UDDUNL15KC06	B90
A50UDDUNR15KC06	B90
A50UMCLNL12	B67
A50UMCLNL16	B67
A50UMCLNL19	B67
A50UMCLNR12	B67
A50UMCLNR16	B67
A50UMCLNR19	B67
A50UMDUNL15	B90
A50UMDUNR15	B90
A50UMSKNR19	B114

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
A50UNNTOR4	C169, D36
A50UNVOCR16	E42
ABDE0300A3AS K600	P111
ABDE0400A3AS K600	P111
ABDE0500A3AS K600	P111
ABDE0600A3ARA K600	P112
ABDE0600A3ARB K600	P112
ABDE0600A3ARC K600	P112
ABDE0600A3AS K600	P111
ABDE0800A3ARA K600	P112
ABDE0800A3ARB K600	P112
ABDE0800A3ARC K600	P112
ABDE0800A3AS K600	P111
ABDE1000A3ARA K600	P112
ABDE1000A3ARB K600	P112
ABDE1000A3ARC K600	P112
ABDE1000A3ARG K600	P112
ABDE1000A3ARK K600	P112
ABDE1000A3ARN K600	P112
ABDE1000A3AS K600	P111
ABDE1000X3CQE K600	029
ABDE1000X3CQG K600	029
ABDE1000X3CQJ K600	029
ABDE1200A3ARA K600	P112
ABDE1200A3ARB K600	P112
ABDE1200A3ARC K600	P112
ABDE1200A3ARG K600	P112
ABDE1200A3ARK K600	P112
ABDE1200A3ARL K600	P112
ABDE1200A3ARM K600	P112
ABDE1200A3ARN K600	P112
ABDE1200A3AS K600	P111
ABDE1200X3CQE K600	029
ABDE1200X3CQG K600	029
ABDE1200X3CQJ K600	029
ABDE1200X3CQL K600	029
ABDE1400A3AS K600	P111
ABDE1600A3ARA K600	P112
ABDE1600A3ARB K600	P112
ABDE1600A3ARC K600	P112
ABDE1600A3ARD K600	P112
ABDE1600A3ARL K600	P113
ABDE1600A3ARM K600	P113
ABDE1600A3ARN K600	P113
ABDE1600A3AS K600	P111
ABDE1600X3CQG K600	029
ABDE1600X3CQJ K600	029
ABDE1600X3CQK K600	029
ABDE1600X3CQL K600	029
ABDE1600X3CQM K600	029
ABDE1800A3AS K600	P111
ABDE2000A3ARA K600	P113
ABDE2000A3ARB K600	P113
ABDE2000A3ARC K600	P113
ABDE2000A3ARD K600	P113
ABDE2000A3ARG K600	P113
ABDE2000A3ARK K600	P113
ABDE2000A3ARM K600	P113
ABDE2000A3AS K600	P111
ABDE2000X3CQG K600	029
ABDE2000X3CQK K600	029
ABDE2000X3CQL K600	029
ABDE2000X3CQM K600	029
ABDE2000X3CQN K600	029
ABDE2500A3ARE K600	P113
ABDE2500A3ARG K600	P113
ABDE2500A3ARK K600	P113
ABDE2500A3ARM K600	P113
ABDE2500A3ARN K600	P113
ABDE2500X3CQL K600	029
ABDE2500X3CQN K600	029
ABDF0150A2AS K600	P110
ABDF0200A2AS K600	P110
ABDF0250A2AS K600	P110
ABDF0300A2AS K600	P110
ABDF0400A2AS K600	P110
ABDF0500A2AS K600	P110
ABDF0600A2AS K600	P110
ABDF0800A2AS K600	P110
ABDF1000A2AS K600	P110
ABDF1000X2CU K600	028
ABDF1200A2AS K600	P110
ABDF1200X2CU K600	028
ABDF1400A2AS K600	P110
ABDF1600A2AS K600	P110
ABDF1600X2CU K600	028
ABDF1800A2AS K600	P110
ABDF2000A2AS K600	P110
ABDF2000X2CU K600	028
AFB09075SCFCR06	K130
AFB13085SCFCR06	K130
AFB17100SCFCR06	K130
AFB21110SCFCR09	K130
AFB24115SCFCR09	K130
AFB27115SCFCR09	K130
AFB31115SCFCR09	K130
AFB34115SCFCR09	K130
AFB38115SCFPR09	K130
AFB42115SCFPR09	K130
AFB47115SCFPR09	K130
AFM29115	K131
AFM29SCFPR06	K132
AFM47115	K131
AFM47SCFPR09	K132
ASPM07001802	T57–59
B041A01000CPG KC7325	G8
B041A01016CPG KC7325	G8
B041A01041CPG KC7325	G8
B041A01067CPG KC7325	G8
B041A01092CPG KC7325	G8
B041A01100CPG KC7325	G8
B041A01181CPG KC7325	G8
B041A01191CPG KC7325	G8
B041A01200CPG KC7325	G8
B041A01300CPG KC7325	G8
B041A01321CPG KC7325	G8
B041A01397CPG KC7325	G8
B041A01400CPG KC7325	G8
B041A01500CPG KC7325	G8
B041A01600CPG KC7325	G8
B041A01700CPG KC7325	G8
B041A01800CPG KC7325	G8
B041A01900CPG KC7325	G8
B041A01984CPG KC7325	G8
B041A02000CPG KC7325	G8
B041A02100CPG KC7325	G8
B041A02200CPG KC7325	G8
B041A02300CPG KC7325	G8
B041A02383CPG KC7325	G8
B041A02400CPG KC7325	G8
B041A02439CPG KC7325	G8
B041A02489CPG KC7325	G8
B041A02500CPG KC7325	G8
B041A02578CPG KC7325	G8
B041A02600CPG KC7325	G8
B041A02642CPG KC7325	G8
B041A02700CPG KC7325	G8
B041A02705CPG KC7325	G9
B041A02779CPG KC7325	G9
B041A02800CPG KC7325	G9
B041A02820CPG KC7325	G9
B041A02870CPG KC7325	G9
B041A02900CPG KC7325	G9
B041A02947CPG KC7325	G9
B041A03000CPG KC7325	G9
B041A03048CPG KC7325	G9
B041A03100CPG KC7325	G9
B041A03175CPG KC7325	G9
B041A03200CPG KC7325	G9
B041A03264CPG KC7325	G9
B041A03300CPG KC7325	G9
B041A03400CPG KC7325	G9
B041A03455CPG KC7325	G9
B041A03500CPG KC7325	G9
B041A03571CPG KC7325	G9
B041A03600CPG KC7325	G9
B041A03658CPG KC7325	G9
B041A03700CPG KC7325	G9
B041A03734CPG KC7325	G9
B041A03800CPG KC7325	G9
B041A03900CPG KC7325	G9
B041A03970CPG KC7325	G9
B041A04000CPG KC7325	G9
B041A04039CPG KC7325	G9
B041A04090CPG KC7325	G9
B041A04100CPG KC7325	G9
B041A04200CPG KC7325	G9
B041A04217CPG KC7325	G9
B041A04300CPG KC7325	G9
B041A04366CPG KC7325	G9
B041A04400CPG KC7325	G9
B041A04500CPG KC7325	G9
B041A04600CPG KC7325	G9
B041A04623CPG KC7325	G9
B041A04700CPG KC7325	G9
B041A04763CPG KC7325	G9
B041A04800CPG KC7325	G9
B041A04852CPG KC7325	G9
B041A04900CPG KC7325	G9
B041A05000CPG KC7325	G9
B041A05100CPG KC7325	G9
B041A05106CPG KC7325	G9
B041A05159CPG KC7325	G9
B041A05200CPG KC7325	G9
B041A05300CPG KC7325	G9
B041A05400CPG KC7325	G9
B041A05410CPG KC7325	G9
B041A05500CPG KC7325	G9
B041A05558CPG KC7325	G9
B041A05600CPG KC7325	G10
B041A05616CPG KC7325	G10
B041A05700CPG KC7325	G10
B041A05800CPG KC7325	G10
B041A05900CPG KC7325	G10
B041A05954CPG KC7325	G10
B041A06000CPG KC7325	G10
B041A06100CPG KC7325	G10
B041A06200CPG KC7325	G10
B041A06300CPG KC7325	G10
B041A06350CPG KC7325	G10
B041A06400CPG KC7325	G10
B041A06500CPG KC7325	G10
B041A06528CPG KC7325	G10
B041A06600CPG KC7325	G10
B041A06630CPG KC7325	G10
B041A06700CPG KC7325	G10
B041A06746CPG KC7325	G10
B041A06800CPG KC7325	G10
B041A06900CPG KC7325	G10
B041A07000CPG KC7325	G10
B041A07100CPG KC7325	G10
B041A07145CPG KC7325	G10
B041A07200CPG KC7325	G10
B041A07300CPG KC7325	G10
B041A07400CPG KC7325	G10
B041A07500CPG KC7325	G10
B041A07541CPG KC7325	G10
B041A07600CPG KC7325	G10
B041A07700CPG KC7325	G10
B041A07800CPG KC7325	G10
B041A07900CPG KC7325	G10
B041A07938CPG KC7325	G10
B041A08000CPG KC7325	G10
B041A08100CPG KC7325	G10
B041A08200CPG KC7325	G10
B041A08300CPG KC7325	G10
B041A08334CPG KC7325	G10
B041A08400CPG KC7325	G10
B041A08433CPG KC7325	G10
B041A08500CPG KC7325	G10
B041A08600CPG KC7325	G10
B041A08700CPG KC7325	G10
B041A08733CPG KC7325	G10
B041A08800CPG KC7325	G10
B041A08900CPG KC7325	G10
B041A09000CPG KC7325	G10
B041A09100CPG KC7325	G10
B041A09129CPG KC7325	G10
B041A09200CPG KC7325	G10
B041A09300CPG KC7325	G10
B041A09347CPG KC7325	G10
B041A09400CPG KC7325	G11
B041A09500CPG KC7325	G11
B041A09525CPG KC7325	G11
B041A09600CPG KC7325	G11
B041A09700CPG KC7325	G11
B041A09800CPG KC7325	G11
B041A09900CPG KC7325	G11
B041A09921CPG KC7325	G11
B041A10000CPG KC7325	G11
B041A10100CPG KC7325	G11
B041A10200CPG KC7325	G11
B041A10300CPG KC7325	G11
B041A10320CPG KC7325	G11
B041A10400CPG KC7325	G11
B041A10500CPG KC7325	G11
B041A10600CPG KC7325	G11
B041A10700CPG KC7325	G11
B041A10716CPG KC7325	G11
B041A10800CPG KC7325	G11
B041A10900CPG KC7325	G11
B041A11000CPG KC7325	G11
B041A11100CPG KC7325	G11
B041A11113CPG KC7325	G11
B041A11200CPG KC7325	G11
B041A11300CPG KC7325	G11
B041A11400CPG KC7325	G11
B041A11500CPG KC7325	G11
B041A11509CPG KC7325	G11
B041A11600CPG KC7325	G11
B041A11700CPG KC7325	G11
B041A11800CPG KC7325	G11
B041A11900CPG KC7325	G11
B041A11908CPG KC7325	G11
B041A12000CPG KC7325	G11
B041A12100CPG KC7325	G11
B041A12200CPG KC7325	G11
B041A12300CPG KC7325	G11
B041A12304CPG KC7325	G11
B041A12400CPG KC7325	G11
B041A12500CPG KC7325	G11
B041A12600CPG KC7325	G11
B041A12700CPG KC7325	G11
B041A12800CPG KC7325	G11
B041A12900CPG KC7325	G11
B041A13000CPG KC7325	G11
B041A13096CPG KC7325	G11
B041A13100CPG KC7325	G11
B041A13200CPG KC7325	G11
B041A13300CPG KC7325	G11
B041A13400CPG KC7325	G11
B041A13500CPG KC7325	G11
B041A13600CPG KC7325	G11
B041A13700CPG KC7325	G12
B041A13800CPG KC7325	G12
B041A13891CPG KC7325	G12
B041A13900CPG KC7325	G12
B041A14000CPG KC7325	G12
B041A14100CPG KC7325	G12
B041A14200CPG KC7325	G12
B041A14288CPG KC7325	G12
B041A14300CPG KC7325	G12
B041A14400CPG KC7325	G12
B041A14500CPG KC7325	G12
B041A14600CPG KC7325	G12
B041A14684CPG KC7325	G12
B041A14700CPG KC7325	G12
B041A14800CPG KC7325	G12
B041A14900CPG KC7325	G12
B041A15000CPG KC7325	G12
B041A15083CPG KC7325	G12
B041A15100CPG KC7325	G12
B041A15200CPG KC7325	G12
B041A15300CPG KC7325	G12
B041A15400CPG KC7325	G12
B041A15479CPG KC7325	G12
B041A15500CPG KC7325	G12
B041A15600CPG KC7325	G12
B041A15700CPG KC7325	G12
B041A15800CPG KC7325	G12
B041A15875CPG KC7325	G12
B041A15900CPG KC7325	G12
B041A16000CPG KC7325	G12
B041A16100CPG KC7325	G12
B041A16200CPG KC7325	G12
B041A16271CPG KC7325	G12
B041A16300CPG KC7325	G12
B041A16400CPG KC7325	G12

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B041A16500CPG KC7325	G12
B041A16600CPG KC7325	G12
B041A16670CPG KC7325	G12
B041A16700CPG KC7325	G12
B041A16800CPG KC7325	G12
B041A16900CPG KC7325	G12
B041A17000CPG KC7325	G12
B041A17100CPG KC7325	G12
B041A17200CPG KC7325	G12
B041A17300CPG KC7325	G12
B041A17400CPG KC7325	G12
B041A17463CPG KC7325	G12
B041A17500CPG KC7325	G12
B041A17600CPG KC7325	G12
B041A17700CPG KC7325	G12
B041A17800CPG KC7325	G12
B041A17859CPG KC7325	G12
B041A17900CPG KC7325	G13
B041A18000CPG KC7325	G13
B041A18100CPG KC7325	G13
B041A18200CPG KC7325	G13
B041A18258CPG KC7325	G13
B041A18300CPG KC7325	G13
B041A18400CPG KC7325	G13
B041A18500CPG KC7325	G13
B041A18600CPG KC7325	G13
B041A18654CPG KC7325	G13
B041A18700CPG KC7325	G13
B041A18800CPG KC7325	G13
B041A18900CPG KC7325	G13
B041A19000CPG KC7325	G13
B041A19050CPG KC7325	G13
B041A19100CPG KC7325	G13
B041A19200CPG KC7325	G13
B041A19300CPG KC7325	G13
B041A19400CPG KC7325	G13
B041A19500CPG KC7325	G13
B041A19600CPG KC7325	G13
B041A19700CPG KC7325	G13
B041A19800CPG KC7325	G13
B041A19900CPG KC7325	G13
B041A20000CPG KC7325	G13
B041F03000CPG KC7325	G14
B041F03100CPG KC7325	G14
B041F03200CPG KC7325	G14
B041F03300CPG KC7325	G14
B041F03400CPG KC7325	G14
B041F03500CPG KC7325	G14
B041F03600CPG KC7325	G14
B041F03700CPG KC7325	G14
B041F03800CPG KC7325	G14
B041F03900CPG KC7325	G14
B041F04000CPG KC7325	G14
B041F04100CPG KC7325	G14
B041F04200CPG KC7325	G14
B041F04300CPG KC7325	G14
B041F04400CPG KC7325	G14
B041F04500CPG KC7325	G14
B041F04600CPG KC7325	G14
B041F04700CPG KC7325	G14
B041F04800CPG KC7325	G14
B041F04900CPG KC7325	G14
B041F05000CPG KC7325	G14
B041F05100CPG KC7325	G14
B041F05200CPG KC7325	G14
B041F05300CPG KC7325	G14
B041F05400CPG KC7325	G14
B041F05500CPG KC7325	G14
B041F05600CPG KC7325	G14
B041F05700CPG KC7325	G14
B041F05800CPG KC7325	G14
B041F05900CPG KC7325	G14
B041F06000CPG KC7325	G14
B041F06100CPG KC7325	G14
B041F06200CPG KC7325	G14
B041F06300CPG KC7325	G14
B041F06400CPG KC7325	G14
B041F06500CPG KC7325	G14
B041F06600CPG KC7325	G15
B041F06700CPG KC7325	G15
B041F06800CPG KC7325	G15
B041F06900CPG KC7325	G15
B041F07000CPG KC7325	G15
B041F07100CPG KC7325	G15
B041F07200CPG KC7325	G15
B041F07300CPG KC7325	G15
B041F07400CPG KC7325	G15
B041F07500CPG KC7325	G15
B041F07600CPG KC7325	G15
B041F07700CPG KC7325	G15
B041F07800CPG KC7325	G15
B041F07900CPG KC7325	G15
B041F08000CPG KC7325	G15
B041F08100CPG KC7325	G15
B041F08200CPG KC7325	G15
B041F08300CPG KC7325	G15
B041F08400CPG KC7325	G15
B041F08500CPG KC7325	G15
B041F08600CPG KC7325	G15
B041F08700CPG KC7325	G15
B041F08800CPG KC7325	G15
B041F08900CPG KC7325	G15
B041F09000CPG KC7325	G15
B041F09100CPG KC7325	G15
B041F09200CPG KC7325	G15
B041F09300CPG KC7325	G15
B041F09400CPG KC7325	G15
B041F09500CPG KC7325	G15
B041F09600CPG KC7325	G15
B041F09700CPG KC7325	G15
B041F09800CPG KC7325	G15
B041F09900CPG KC7325	G15
B041F10000CPG KC7325	G15
B041F10100CPG KC7325	G15
B041F10200CPG KC7325	G15
B041F10300CPG KC7325	G15
B041F10400CPG KC7325	G15
B041F10500CPG KC7325	G15
B041F10600CPG KC7325	G15
B041F10700CPG KC7325	G15
B041F10800CPG KC7325	G15
B041F10900CPG KC7325	G15
B041F11000CPG KC7325	G15
B041F11100CPG KC7325	G15
B041F11200CPG KC7325	G15
B041F11300CPG KC7325	G15
B041F11400CPG KC7325	G15
B041F11500CPG KC7325	G15
B041F11600CPG KC7325	G15
B041F11700CPG KC7325	G15
B041F11800CPG KC7325	G16
B041F11900CPG KC7325	G16
B041F12000CPG KC7325	G16
B041F12100CPG KC7325	G16
B041F12200CPG KC7325	G16
B041F12300CPG KC7325	G16
B041F12400CPG KC7325	G16
B041F12500CPG KC7325	G16
B041F12600CPG KC7325	G16
B041F12700CPG KC7325	G16
B041F12800CPG KC7325	G16
B041F12900CPG KC7325	G16
B041F13000CPG KC7325	G16
B041F13100CPG KC7325	G16
B041F13200CPG KC7325	G16
B041F13300CPG KC7325	G16
B041F13400CPG KC7325	G16
B041F13500CPG KC7325	G16
B041F13600CPG KC7325	G16
B041F13700CPG KC7325	G16
B041F13800CPG KC7325	G16
B041F13900CPG KC7325	G16
B041F14000CPG KC7325	G16
B041F14100CPG KC7325	G16
B041F14200CPG KC7325	G16
B041F14300CPG KC7325	G16
B041F14400CPG KC7325	G16
B041F14500CPG KC7325	G16
B041F14600CPG KC7325	G16
B041F14700CPG KC7325	G16
B041F14800CPG KC7325	G16
B041F14900CPG KC7325	G16
B041F15000CPG KC7325	G16
B041F15100CPG KC7325	G16
B041F15200CPG KC7325	G16
B041F15300CPG KC7325	G16
B041F15400CPG KC7325	G16
B041F15500CPG KC7325	G16
B041F15600CPG KC7325	G16
B041F15700CPG KC7325	G16
B041F15800CPG KC7325	G16
B041F15900CPG KC7325	G16
B041F16000CPG KC7325	G16
B041F16100CPG KC7325	G16
B041F16200CPG KC7325	G16
B041F16300CPG KC7325	G16
B041F16400CPG KC7325	G16
B041F16500CPG KC7325	G16
B041F16600CPG KC7325	G16
B041F16700CPG KC7325	G16
B041F16800CPG KC7325	G16
B041F16900CPG KC7325	G16
B041F17000CPG KC7325	G17
B041F17100CPG KC7325	G17
B041F17200CPG KC7325	G17
B041F17300CPG KC7325	G17
B041F17400CPG KC7325	G17
B041F17500CPG KC7325	G17
B041F17600CPG KC7325	G17
B041F17700CPG KC7325	G17
B041F17800CPG KC7325	G17
B041F17900CPG KC7325	G17
B041F18000CPG KC7325	G17
B041F18100CPG KC7325	G17
B041F18200CPG KC7325	G17
B041F18300CPG KC7325	G17
B041F18400CPG KC7325	G17
B041F18500CPG KC7325	G17
B041F18600CPG KC7325	G17
B041F18700CPG KC7325	G17
B041F18800CPG KC7325	G17
B041F18900CPG KC7325	G17
B041F19000CPG KC7325	G17
B041F19100CPG KC7325	G17
B041F19200CPG KC7325	G17
B041F19300CPG KC7325	G17
B041F19400CPG KC7325	G17
B041F19500CPG KC7325	G17
B041F19600CPG KC7325	G17
B041F19700CPG KC7325	G17
B041F19800CPG KC7325	G17
B041F19900CPG KC7325	G17
B041F20000CPG KC7325	G17
B042A01000CPG KC7325	G8
B042A01016CPG KC7325	G8
B042A01041CPG KC7325	G8
B042A01067CPG KC7325	G8
B042A01092CPG KC7325	G8
B042A01100CPG KC7325	G8
B042A01181CPG KC7325	G8
B042A01191CPG KC7325	G8
B042A01200CPG KC7325	G8
B042A01300CPG KC7325	G8
B042A01321CPG KC7325	G8
B042A01397CPG KC7325	G8
B042A01400CPG KC7325	G8
B042A01500CPG KC7325	G8
B042A01600CPG KC7325	G8
B042A01700CPG KC7325	G8
B042A01800CPG KC7325	G8
B042A01900CPG KC7325	G8
B042A01984CPG KC7325	G8
B042A02000CPG KC7325	G8
B042A02100CPG KC7325	G8
B042A02200CPG KC7325	G8
B042A02300CPG KC7325	G8
B042A02383CPG KC7325	G8
B042A02400CPG KC7325	G8
B042A02439CPG KC7325	G8
B042A02489CPG KC7325	G8
B042A02500CPG KC7325	G8
B042A02578CPG KC7325	G8
B042A02600CPG KC7325	G8
B042A02642CPG KC7325	G8
B042A02700CPG KC7325	G8
B042A02705CPG KC7325	G9
B042A02779CPG KC7325	G9
B042A02800CPG KC7325	G9
B042A02820CPG KC7325	G9
B042A02870CPG KC7325	G9
B042A02900CPG KC7325	G9
B042A02947CPG KC7325	G9
B042A03000CPG KC7325	G9
B042A03048CPG KC7325	G9
B042A03100CPG KC7325	G9
B042A03175CPG KC7325	G9
B042A03200CPG KC7325	G9
B042A03264CPG KC7325	G9
B042A03300CPG KC7325	G9
B042A03400CPG KC7325	G9
B042A03455CPG KC7325	G9
B042A03500CPG KC7325	G9
B042A03571CPG KC7325	G9
B042A03600CPG KC7325	G9
B042A03658CPG KC7325	G9
B042A03700CPG KC7325	G9
B042A03734CPG KC7325	G9
B042A03800CPG KC7325	G9
B042A03900CPG KC7325	G9
B042A03970CPG KC7325	G9
B042A04000CPG KC7325	G9
B042A04039CPG KC7325	G9
B042A04090CPG KC7325	G9
B042A04100CPG KC7325	G9
B042A04200CPG KC7325	G9
B042A04217CPG KC7325	G9
B042A04300CPG KC7325	G9
B042A04366CPG KC7325	G9
B042A04400CPG KC7325	G9
B042A04500CPG KC7325	G9
B042A04600CPG KC7325	G9
B042A04623CPG KC7325	G9
B042A04700CPG KC7325	G9
B042A04763CPG KC7325	G9
B042A04800CPG KC7325	G9
B042A04852CPG KC7325	G9
B042A04900CPG KC7325	G9
B042A05000CPG KC7325	G9
B042A05100CPG KC7325	G9
B042A05106CPG KC7325	G9
B042A05159CPG KC7325	G9
B042A05200CPG KC7325	G9
B042A05300CPG KC7325	G9
B042A05400CPG KC7325	G9
B042A05410CPG KC7325	G9
B042A05500CPG KC7325	G9
B042A05558CPG KC7325	G9
B042A05600CPG KC7325	G10
B042A05616CPG KC7325	G10
B042A05700CPG KC7325	G10
B042A05800CPG KC7325	G10
B042A05900CPG KC7325	G10
B042A05954CPG KC7325	G10
B042A06000CPG KC7325	G10
B042A06100CPG KC7325	G10
B042A06200CPG KC7325	G10
B042A06300CPG KC7325	G10
B042A06350CPG KC7325	G10
B042A06400CPG KC7325	G10
B042A06500CPG KC7325	G10
B042A06528CPG KC7325	G10
B042A06600CPG KC7325	G10
B042A06630CPG KC7325	G10
B042A06700CPG KC7325	G10
B042A06746CPG KC7325	G10
B042A06800CPG KC7325	G10
B042A06900CPG KC7325	G10
B042A07000CPG KC7325	G10
B042A07100CPG KC7325	G10
B042A07145CPG KC7325	G10
B042A07200CPG KC7325	G10
B042A07300CPG KC7325	G10
B042A07400CPG KC7325	G10
B042A07500CPG KC7325	G10
B042A07541CPG KC7325	G10
B042A07600CPG KC7325	G10
B042A07700CPG KC7325	G10
B042A07800CPG KC7325	G10

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B042A07900CPG KC7325	G10
B042A07938CPG KC7325	G10
B042A08000CPG KC7325	G10
B042A08100CPG KC7325	G10
B042A08200CPG KC7325	G10
B042A08300CPG KC7325	G10
B042A08334CPG KC7325	G10
B042A08400CPG KC7325	G10
B042A08433CPG KC7325	G10
B042A08500CPG KC7325	G10
B042A08600CPG KC7325	G10
B042A08700CPG KC7325	G10
B042A08733CPG KC7325	G10
B042A08800CPG KC7325	G10
B042A08900CPG KC7325	G10
B042A09000CPG KC7325	G10
B042A09100CPG KC7325	G10
B042A09129CPG KC7325	G10
B042A09200CPG KC7325	G10
B042A09300CPG KC7325	G10
B042A09347CPG KC7325	G10
B042A09400CPG KC7325	G11
B042A09500CPG KC7325	G11
B042A09525CPG KC7325	G11
B042A09600CPG KC7325	G11
B042A09700CPG KC7325	G11
B042A09800CPG KC7325	G11
B042A09900CPG KC7325	G11
B042A09921CPG KC7325	G11
B042A10000CPG KC7325	G11
B042A10100CPG KC7325	G11
B042A10200CPG KC7325	G11
B042A10300CPG KC7325	G11
B042A10320CPG KC7325	G11
B042A10400CPG KC7325	G11
B042A10500CPG KC7325	G11
B042A10600CPG KC7325	G11
B042A10700CPG KC7325	G11
B042A10716CPG KC7325	G11
B042A10800CPG KC7325	G11
B042A10900CPG KC7325	G11
B042A11000CPG KC7325	G11
B042A11100CPG KC7325	G11
B042A11113CPG KC7325	G11
B042A11200CPG KC7325	G11
B042A11300CPG KC7325	G11
B042A11400CPG KC7325	G11
B042A11500CPG KC7325	G11
B042A11509CPG KC7325	G11
B042A11600CPG KC7325	G11
B042A11700CPG KC7325	G11
B042A11800CPG KC7325	G11
B042A11900CPG KC7325	G11
B042A11908CPG KC7325	G11
B042A12000CPG KC7325	G11
B042A12100CPG KC7325	G11
B042A12200CPG KC7325	G11
B042A12300CPG KC7325	G11
B042A12304CPG KC7325	G11
B042A12400CPG KC7325	G11
B042A12500CPG KC7325	G11
B042A12600CPG KC7325	G11
B042A12700CPG KC7325	G11
B042A12800CPG KC7325	G11
B042A12900CPG KC7325	G11
B042A13000CPG KC7325	G11
B042A13096CPG KC7325	G11
B042A13100CPG KC7325	G11
B042A13200CPG KC7325	G11
B042A13300CPG KC7325	G11
B042A13400CPG KC7325	G11
B042A13500CPG KC7325	G11
B042A13600CPG KC7325	G11
B042A13700CPG KC7325	G12
B042A13800CPG KC7325	G12
B042A13891CPG KC7325	G12
B042A13900CPG KC7325	G12
B042A14000CPG KC7325	G12
B042A14100CPG KC7325	G12
B042A14200CPG KC7325	G12
B042A14288CPG KC7325	G12
B042A14300CPG KC7325	G12
B042A14400CPG KC7325	G12
B042A14500CPG KC7325	G12
B042A14600CPG KC7325	G12
B042A14684CPG KC7325	G12
B042A14700CPG KC7325	G12
B042A14800CPG KC7325	G12
B042A14900CPG KC7325	G12
B042A15000CPG KC7325	G12
B042A15083CPG KC7325	G12
B042A15100CPG KC7325	G12
B042A15200CPG KC7325	G12
B042A15300CPG KC7325	G12
B042A15400CPG KC7325	G12
B042A15479CPG KC7325	G12
B042A15500CPG KC7325	G12
B042A15600CPG KC7325	G12
B042A15700CPG KC7325	G12
B042A15800CPG KC7325	G12
B042A15875CPG KC7325	G12
B042A15900CPG KC7325	G12
B042A16000CPG KC7325	G12
B042A16100CPG KC7325	G12
B042A16200CPG KC7325	G12
B042A16271CPG KC7325	G12
B042A16300CPG KC7325	G12
B042A16400CPG KC7325	G12
B042A16500CPG KC7325	G12
B042A16600CPG KC7325	G12
B042A16670CPG KC7325	G12
B042A16700CPG KC7325	G12
B042A16800CPG KC7325	G12
B042A16900CPG KC7325	G12
B042A17000CPG KC7325	G12
B042A17100CPG KC7325	G12
B042A17200CPG KC7325	G12
B042A17300CPG KC7325	G12
B042A17400CPG KC7325	G12
B042A17463CPG KC7325	G12
B042A17500CPG KC7325	G12
B042A17600CPG KC7325	G12
B042A17700CPG KC7325	G12
B042A17800CPG KC7325	G12
B042A17859CPG KC7325	G12
B042A17900CPG KC7325	G13
B042A18000CPG KC7325	G13
B042A18100CPG KC7325	G13
B042A18200CPG KC7325	G13
B042A18258CPG KC7325	G13
B042A18300CPG KC7325	G13
B042A18400CPG KC7325	G13
B042A18500CPG KC7325	G13
B042A18600CPG KC7325	G13
B042A18654CPG KC7325	G13
B042A18700CPG KC7325	G13
B042A18800CPG KC7325	G13
B042A18900CPG KC7325	G13
B042A19000CPG KC7325	G13
B042A19050CPG KC7325	G13
B042A19100CPG KC7325	G13
B042A19200CPG KC7325	G13
B042A19300CPG KC7325	G13
B042A19400CPG KC7325	G13
B042A19500CPG KC7325	G13
B042A19600CPG KC7325	G13
B042A19700CPG KC7325	G13
B042A19800CPG KC7325	G13
B042A19900CPG KC7325	G13
B042A20000CPG KC7325	G13
B042F03000CPG KC7325	G14
B042F03100CPG KC7325	G14
B042F03200CPG KC7325	G14
B042F03300CPG KC7325	G14
B042F03400CPG KC7325	G14
B042F03500CPG KC7325	G14
B042F03600CPG KC7325	G14
B042F03700CPG KC7325	G14
B042F03800CPG KC7325	G14
B042F03900CPG KC7325	G14
B042F04000CPG KC7325	G14
B042F04100CPG KC7325	G14
B042F04200CPG KC7325	G14
B042F04300CPG KC7325	G14
B042F04400CPG KC7325	G14
B042F04500CPG KC7325	G14
B042F04600CPG KC7325	G14
B042F04700CPG KC7325	G14
B042F04800CPG KC7325	G14
B042F04900CPG KC7325	G14
B042F05000CPG KC7325	G14
B042F05100CPG KC7325	G14
B042F05200CPG KC7325	G14
B042F05300CPG KC7325	G14
B042F05400CPG KC7325	G14
B042F05500CPG KC7325	G14
B042F05600CPG KC7325	G14
B042F05700CPG KC7325	G14
B042F05800CPG KC7325	G14
B042F05900CPG KC7325	G14
B042F06000CPG KC7325	G14
B042F06100CPG KC7325	G14
B042F06200CPG KC7325	G14
B042F06300CPG KC7325	G14
B042F06400CPG KC7325	G14
B042F06500CPG KC7325	G14
B042F06600CPG KC7325	G15
B042F06700CPG KC7325	G15
B042F06800CPG KC7325	G15
B042F06900CPG KC7325	G15
B042F07000CPG KC7325	G15
B042F07100CPG KC7325	G15
B042F07200CPG KC7325	G15
B042F07300CPG KC7325	G15
B042F07400CPG KC7325	G15
B042F07500CPG KC7325	G15
B042F07600CPG KC7325	G15
B042F07700CPG KC7325	G15
B042F07800CPG KC7325	G15
B042F07900CPG KC7325	G15
B042F08000CPG KC7325	G15
B042F08100CPG KC7325	G15
B042F08200CPG KC7325	G15
B042F08300CPG KC7325	G15
B042F08400CPG KC7325	G15
B042F08500CPG KC7325	G15
B042F08600CPG KC7325	G15
B042F08700CPG KC7325	G15
B042F08800CPG KC7325	G15
B042F08900CPG KC7325	G15
B042F09000CPG KC7325	G15
B042F09100CPG KC7325	G15
B042F09200CPG KC7325	G15
B042F09300CPG KC7325	G15
B042F09400CPG KC7325	G15
B042F09500CPG KC7325	G15
B042F09600CPG KC7325	G15
B042F09700CPG KC7325	G15
B042F09800CPG KC7325	G15
B042F09900CPG KC7325	G15
B042F10000CPG KC7325	G15
B042F10100CPG KC7325	G15
B042F10200CPG KC7325	G15
B042F10300CPG KC7325	G15
B042F10400CPG KC7325	G15
B042F10500CPG KC7325	G15
B042F10600CPG KC7325	G15
B042F10700CPG KC7325	G15
B042F10800CPG KC7325	G15
B042F10900CPG KC7325	G15
B042F11000CPG KC7325	G15
B042F11100CPG KC7325	G15
B042F11200CPG KC7325	G15
B042F11300CPG KC7325	G15
B042F11400CPG KC7325	G15
B042F11500CPG KC7325	G15
B042F11600CPG KC7325	G15
B042F11700CPG KC7325	G15
B042F11800CPG KC7325	G16
B042F11900CPG KC7325	G16
B042F12000CPG KC7325	G16
B042F12100CPG KC7325	G16
B042F12200CPG KC7325	G16
B042F12300CPG KC7325	G16
B042F12400CPG KC7325	G16
B042F12500CPG KC7325	G16
B042F12600CPG KC7325	G16
B042F12700CPG KC7325	G16
B042F12800CPG KC7325	G16
B042F12900CPG KC7325	G16
B042F13000CPG KC7325	G16
B042F13100CPG KC7325	G16
B042F13200CPG KC7325	G16
B042F13300CPG KC7325	G16
B042F13400CPG KC7325	G16
B042F13500CPG KC7325	G16
B042F13600CPG KC7325	G16
B042F13700CPG KC7325	G16
B042F13800CPG KC7325	G16
B042F13900CPG KC7325	G16
B042F14000CPG KC7325	G16
B042F14100CPG KC7325	G16
B042F14200CPG KC7325	G16
B042F14300CPG KC7325	G16
B042F14400CPG KC7325	G16
B042F14500CPG KC7325	G16
B042F14600CPG KC7325	G16
B042F14700CPG KC7325	G16
B042F14800CPG KC7325	G16
B042F14900CPG KC7325	G16
B042F15000CPG KC7325	G16
B042F15100CPG KC7325	G16
B042F15200CPG KC7325	G16
B042F15300CPG KC7325	G16
B042F15400CPG KC7325	G16
B042F15500CPG KC7325	G16
B042F15600CPG KC7325	G16
B042F15700CPG KC7325	G16
B042F15800CPG KC7325	G16
B042F15900CPG KC7325	G16
B042F16000CPG KC7325	G16
B042F16100CPG KC7325	G16
B042F16200CPG KC7325	G16
B042F16300CPG KC7325	G16
B042F16400CPG KC7325	G16
B042F16500CPG KC7325	G16
B042F16600CPG KC7325	G16
B042F16700CPG KC7325	G16
B042F16800CPG KC7325	G16
B042F16900CPG KC7325	G16
B042F17000CPG KC7325	G17
B042F17100CPG KC7325	G17
B042F17200CPG KC7325	G17
B042F17300CPG KC7325	G17
B042F17400CPG KC7325	G17
B042F17500CPG KC7325	G17
B042F17600CPG KC7325	G17
B042F17700CPG KC7325	G17
B042F17800CPG KC7325	G17
B042F17900CPG KC7325	G17
B042F18000CPG KC7325	G17
B042F18100CPG KC7325	G17
B042F18200CPG KC7325	G17
B042F18300CPG KC7325	G17
B042F18400CPG KC7325	G17
B042F18500CPG KC7325	G17
B042F18600CPG KC7325	G17
B042F18700CPG KC7325	G17
B042F18800CPG KC7325	G17
B042F18900CPG KC7325	G17
B042F19000CPG KC7325	G17
B042F19100CPG KC7325	G17
B042F19200CPG KC7325	G17
B042F19300CPG KC7325	G17
B042F19400CPG KC7325	G17
B042F19500CPG KC7325	G17
B042F19600CPG KC7325	G17
B042F19700CPG KC7325	G17
B042F19800CPG KC7325	G17
B042F19900CPG KC7325	G17
B042F20000CPG KC7325	G17
B051A01500CPG KC7325	G18
B051A01600CPG KC7325	G18
B051A01700CPG KC7325	G18
B051A01800CPG KC7325	G18
B051A01900CPG KC7325	G18
B051A01984CPG KC7325	G18
B051A02000CPG KC7325	G18

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B051A02100CPG KC7325	G18
B051A02200CPG KC7325	G18
B051A02300CPG KC7325	G18
B051A02383CPG KC7325	G18
B051A02400CPG KC7325	G18
B051A02439CPG KC7325	G18
B051A02489CPG KC7325	G18
B051A02500CPG KC7325	G18
B051A02578CPG KC7325	G18
B051A02600CPG KC7325	G18
B051A02642CPG KC7325	G18
B051A02700CPG KC7325	G18
B051A02705CPG KC7325	G18
B051A02779CPG KC7325	G18
B051A02800CPG KC7325	G18
B051A02820CPG KC7325	G18
B051A02870CPG KC7325	G18
B051A02900CPG KC7325	G18
B051A02947CPG KC7325	G19
B051A03000CPG KC7325	G19
B051A03048CPG KC7325	G19
B051A03100CPG KC7325	G19
B051A03175CPG KC7325	G19
B051A03200CPG KC7325	G19
B051A03264CPG KC7325	G19
B051A03300CPG KC7325	G19
B051A03400CPG KC7325	G19
B051A03455CPG KC7325	G19
B051A03500CPG KC7325	G19
B051A03571CPG KC7325	G19
B051A03600CPG KC7325	G19
B051A03658CPG KC7325	G19
B051A03700CPG KC7325	G19
B051A03734CPG KC7325	G19
B051A03800CPG KC7325	G19
B051A03900CPG KC7325	G19
B051A03970CPG KC7325	G19
B051A04000CPG KC7325	G19
B051A04039CPG KC7325	G19
B051A04090CPG KC7325	G19
B051A04100CPG KC7325	G19
B051A04200CPG KC7325	G19
B051A04217CPG KC7325	G19
B051A04300CPG KC7325	G19
B051A04366CPG KC7325	G19
B051A04400CPG KC7325	G19
B051A04500CPG KC7325	G19
B051A04600CPG KC7325	G19
B051A04623CPG KC7325	G19
B051A04700CPG KC7325	G19
B051A04763CPG KC7325	G19
B051A04800CPG KC7325	G19
B051A04852CPG KC7325	G19
B051A04900CPG KC7325	G19
B051A05000CPG KC7325	G19
B051A05100CPG KC7325	G19
B051A05106CPG KC7325	G19
B051A05159CPG KC7325	G19
B051A05200CPG KC7325	G19
B051A05300CPG KC7325	G19
B051A05400CPG KC7325	G19
B051A05410CPG KC7325	G19
B051A05500CPG KC7325	G19
B051A05558CPG KC7325	G19
B051A05600CPG KC7325	G19
B051A05616CPG KC7325	G19
B051A05700CPG KC7325	G19
B051A05800CPG KC7325	G19
B051A05900CPG KC7325	G19
B051A05954CPG KC7325	G19
B051A06000CPG KC7325	G20
B051A06100CPG KC7325	G20
B051A06200CPG KC7325	G20
B051A06300CPG KC7325	G20
B051A06350CPG KC7325	G20
B051A06400CPG KC7325	G20
B051A06500CPG KC7325	G20
B051A06528CPG KC7325	G20
B051A06600CPG KC7325	G20
B051A06630CPG KC7325	G20
B051A06700CPG KC7325	G20
B051A06746CPG KC7325	G20
B051A06800CPG KC7325	G20
B051A06900CPG KC7325	G20
B051A07000CPG KC7325	G20
B051A07100CPG KC7325	G20
B051A07145CPG KC7325	G20
B051A07200CPG KC7325	G20
B051A07300CPG KC7325	G20
B051A07400CPG KC7325	G20
B051A07500CPG KC7325	G20
B051A07541CPG KC7325	G20
B051A07600CPG KC7325	G20
B051A07700CPG KC7325	G20
B051A07800CPG KC7325	G20
B051A07900CPG KC7325	G20
B051A07938CPG KC7325	G20
B051A08000CPG KC7325	G20
B051A08100CPG KC7325	G20
B051A08200CPG KC7325	G20
B051A08300CPG KC7325	G20
B051A08334CPG KC7325	G20
B051A08400CPG KC7325	G20
B051A08433CPG KC7325	G20
B051A08500CPG KC7325	G20
B051A08600CPG KC7325	G20
B051A08700CPG KC7325	G20
B051A08733CPG KC7325	G20
B051A08800CPG KC7325	G20
B051A08900CPG KC7325	G20
B051A09000CPG KC7325	G20
B051A09100CPG KC7325	G20
B051A09129CPG KC7325	G20
B051A09200CPG KC7325	G20
B051A09300CPG KC7325	G20
B051A09347CPG KC7325	G20
B051A09400CPG KC7325	G20
B051A09500CPG KC7325	G20
B051A09525CPG KC7325	G20
B051A09600CPG KC7325	G20
B051A09700CPG KC7325	G20
B051A09800CPG KC7325	G20
B051A09900CPG KC7325	G21
B051A09921CPG KC7325	G21
B051A10000CPG KC7325	G21
B051A10100CPG KC7325	G21
B051A10200CPG KC7325	G21
B051A10300CPG KC7325	G21
B051A10320CPG KC7325	G21
B051A10400CPG KC7325	G21
B051A10500CPG KC7325	G21
B051A10600CPG KC7325	G21
B051A10700CPG KC7325	G21
B051A10716CPG KC7325	G21
B051A10800CPG KC7325	G21
B051A10900CPG KC7325	G21
B051A11000CPG KC7325	G21
B051A11100CPG KC7325	G21
B051A11113CPG KC7325	G21
B051A11200CPG KC7325	G21
B051A11300CPG KC7325	G21
B051A11400CPG KC7325	G21
B051A11500CPG KC7325	G21
B051A11509CPG KC7325	G21
B051A11600CPG KC7325	G21
B051A11700CPG KC7325	G21
B051A11800CPG KC7325	G21
B051A11900CPG KC7325	G21
B051A11908CPG KC7325	G21
B051A12000CPG KC7325	G21
B051A12100CPG KC7325	G21
B051A12200CPG KC7325	G21
B051A12300CPG KC7325	G21
B051A12304CPG KC7325	G21
B051A12400CPG KC7325	G21
B051A12500CPG KC7325	G21
B051A12600CPG KC7325	G21
B051A12700CPG KC7325	G21
B051A12800CPG KC7325	G21
B051A12900CPG KC7325	G21
B051A13000CPG KC7325	G21
B051A13096CPG KC7325	G21
B051A13100CPG KC7325	G21
B051A13200CPG KC7325	G21
B051A13300CPG KC7325	G21
B051A13400CPG KC7325	G21
B051A13500CPG KC7325	G21
B051A13600CPG KC7325	G21
B051A13700CPG KC7325	G21
B051A13800CPG KC7325	G21
B051A13891CPG KC7325	G21
B051A13900CPG KC7325	G21
B051A14000CPG KC7325	G21
B051A14100CPG KC7325	G21
B051A14200CPG KC7325	G22
B051A14288CPG KC7325	G22
B051A14300CPG KC7325	G22
B051A14400CPG KC7325	G22
B051A14500CPG KC7325	G22
B051A14600CPG KC7325	G22
B051A14684CPG KC7325	G22
B051A14700CPG KC7325	G22
B051A14800CPG KC7325	G22
B051A14900CPG KC7325	G22
B051A15000CPG KC7325	G22
B051A15083CPG KC7325	G22
B051A15100CPG KC7325	G22
B051A15200CPG KC7325	G22
B051A15300CPG KC7325	G22
B051A15400CPG KC7325	G22
B051A15479CPG KC7325	G22
B051A15500CPG KC7325	G22
B051A15600CPG KC7325	G22
B051A15700CPG KC7325	G22
B051A15800CPG KC7325	G22
B051A15875CPG KC7325	G22
B051A15900CPG KC7325	G22
B051A16000CPG KC7325	G22
B051A16100CPG KC7325	G22
B051A16200CPG KC7325	G22
B051A16271CPG KC7325	G22
B051A16300CPG KC7325	G22
B051A16400CPG KC7325	G22
B051A16500CPG KC7325	G22
B051A16600CPG KC7325	G22
B051A16670CPG KC7325	G22
B051A16700CPG KC7325	G22
B051A16800CPG KC7325	G22
B051A16900CPG KC7325	G22
B051A17000CPG KC7325	G22
B051A17100CPG KC7325	G22
B051A17200CPG KC7325	G22
B051A17300CPG KC7325	G22
B051A17400CPG KC7325	G22
B051A17463CPG KC7325	G22
B051A17500CPG KC7325	G22
B051A17600CPG KC7325	G22
B051A17700CPG KC7325	G22
B051A17800CPG KC7325	G22
B051A17859CPG KC7325	G22
B051A17900CPG KC7325	G22
B051A18000CPG KC7325	G22
B051A18100CPG KC7325	G22
B051A18200CPG KC7325	G22
B051A18258CPG KC7325	G22
B051A18300CPG KC7325	G22
B051A18400CPG KC7325	G23
B051A18500CPG KC7325	G23
B051A18600CPG KC7325	G23
B051A18654CPG KC7325	G23
B051A18700CPG KC7325	G23
B051A18800CPG KC7325	G23
B051A18900CPG KC7325	G23
B051A19000CPG KC7325	G23
B051A19050CPG KC7325	G23
B051A19100CPG KC7325	G23
B051A19200CPG KC7325	G23
B051A19300CPG KC7325	G23
B051A19400CPG KC7325	G23
B051A19500CPG KC7325	G23
B051A19600CPG KC7325	G23
B051A19700CPG KC7325	G23
B051A19800CPG KC7325	G23
B051A19900CPG KC7325	G23
B051A20000CPG KC7325	G23
B051F03000CPG KC7325	G24
B051F03100CPG KC7325	G24
B051F03200CPG KC7325	G24
B051F03300CPG KC7325	G24
B051F03400CPG KC7325	G24
B051F03500CPG KC7325	G24
B051F03600CPG KC7325	G24
B051F03700CPG KC7325	G24
B051F03800CPG KC7325	G24
B051F03900CPG KC7325	G24
B051F04000CPG KC7325	G24
B051F04100CPG KC7325	G24
B051F04200CPG KC7325	G24
B051F04300CPG KC7325	G24
B051F04400CPG KC7325	G24
B051F04500CPG KC7325	G24
B051F04600CPG KC7325	G24
B051F04700CPG KC7325	G24
B051F04800CPG KC7325	G24
B051F04900CPG KC7325	G24
B051F05000CPG KC7325	G24
B051F05100CPG KC7325	G24
B051F05200CPG KC7325	G24
B051F05300CPG KC7325	G24
B051F05400CPG KC7325	G24
B051F05500CPG KC7325	G24
B051F05600CPG KC7325	G24
B051F05700CPG KC7325	G24
B051F05800CPG KC7325	G24
B051F05900CPG KC7325	G24
B051F06000CPG KC7325	G24
B051F06100CPG KC7325	G24
B051F06200CPG KC7325	G25
B051F06300CPG KC7325	G25
B051F06400CPG KC7325	G25
B051F06500CPG KC7325	G25
B051F06600CPG KC7325	G25
B051F06700CPG KC7325	G25
B051F06800CPG KC7325	G25
B051F06900CPG KC7325	G25
B051F07000CPG KC7325	G25
B051F07100CPG KC7325	G25
B051F07200CPG KC7325	G25
B051F07300CPG KC7325	G25
B051F07400CPG KC7325	G25
B051F07500CPG KC7325	G25
B051F07600CPG KC7325	G25
B051F07700CPG KC7325	G25
B051F07800CPG KC7325	G25
B051F07900CPG KC7325	G25
B051F08000CPG KC7325	G25
B051F08100CPG KC7325	G25
B051F08200CPG KC7325	G25
B051F08300CPG KC7325	G25
B051F08400CPG KC7325	G25
B051F08500CPG KC7325	G25
B051F08600CPG KC7325	G25
B051F08700CPG KC7325	G25
B051F08800CPG KC7325	G25
B051F08900CPG KC7325	G25
B051F09000CPG KC7325	G25
B051F09100CPG KC7325	G25
B051F09200CPG KC7325	G25
B051F09300CPG KC7325	G25
B051F09400CPG KC7325	G25
B051F09500CPG KC7325	G25
B051F09600CPG KC7325	G25
B051F09700CPG KC7325	G25
B051F09800CPG KC7325	G25
B051F09900CPG KC7325	G25
B051F10000CPG KC7325	G25
B051F10100CPG KC7325	G25
B051F10200CPG KC7325	G25
B051F10300CPG KC7325	G25
B051F10400CPG KC7325	G25
B051F10500CPG KC7325	G25
B051F10600CPG KC7325	G25
B051F10700CPG KC7325	G25
B051F10800CPG KC7325	G25
B051F10900CPG KC7325	G25
B051F11000CPG KC7325	G25
B051F11100CPG KC7325	G25
B051F11200CPG KC7325	G25

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B051F11300CPG KC7325	G25
B051F11400CPG KC7325	G26
B051F11500CPG KC7325	G26
B051F11600CPG KC7325	G26
B051F11700CPG KC7325	G26
B051F11800CPG KC7325	G26
B051F11900CPG KC7325	G26
B051F12000CPG KC7325	G26
B051F12100CPG KC7325	G26
B051F12200CPG KC7325	G26
B051F12300CPG KC7325	G26
B051F12400CPG KC7325	G26
B051F12500CPG KC7325	G26
B051F12600CPG KC7325	G26
B051F12700CPG KC7325	G26
B051F12800CPG KC7325	G26
B051F12900CPG KC7325	G26
B051F13000CPG KC7325	G26
B051F13100CPG KC7325	G26
B051F13200CPG KC7325	G26
B051F13300CPG KC7325	G26
B051F13400CPG KC7325	G26
B051F13500CPG KC7325	G26
B051F13600CPG KC7325	G26
B051F13700CPG KC7325	G26
B051F13800CPG KC7325	G26
B051F13900CPG KC7325	G26
B051F14000CPG KC7325	G26
B051F14100CPG KC7325	G26
B051F14200CPG KC7325	G26
B051F14300CPG KC7325	G26
B051F14400CPG KC7325	G26
B051F14500CPG KC7325	G26
B051F14600CPG KC7325	G26
B051F14700CPG KC7325	G26
B051F14800CPG KC7325	G26
B051F14900CPG KC7325	G26
B051F15000CPG KC7325	G26
B051F15100CPG KC7325	G26
B051F15200CPG KC7325	G26
B051F15300CPG KC7325	G26
B051F15400CPG KC7325	G26
B051F15500CPG KC7325	G26
B051F15600CPG KC7325	G26
B051F15700CPG KC7325	G26
B051F15800CPG KC7325	G26
B051F15900CPG KC7325	G26
B051F16000CPG KC7325	G26
B051F16100CPG KC7325	G26
B051F16200CPG KC7325	G26
B051F16300CPG KC7325	G26
B051F16400CPG KC7325	G26
B051F16500CPG KC7325	G26
B051F16600CPG KC7325	G27
B051F16700CPG KC7325	G27
B051F16800CPG KC7325	G27
B051F16900CPG KC7325	G27
B051F17000CPG KC7325	G27
B051F17100CPG KC7325	G27
B051F17200CPG KC7325	G27
B051F17300CPG KC7325	G27
B051F17400CPG KC7325	G27
B051F17500CPG KC7325	G27
B051F17600CPG KC7325	G27
B051F17700CPG KC7325	G27
B051F17800CPG KC7325	G27
B051F17900CPG KC7325	G27
B051F18000CPG KC7325	G27
B051F18100CPG KC7325	G27
B051F18200CPG KC7325	G27
B051F18300CPG KC7325	G27
B051F18400CPG KC7325	G27
B051F18500CPG KC7325	G27
B051F18600CPG KC7325	G27
B051F18700CPG KC7325	G27
B051F18800CPG KC7325	G27
B051F18900CPG KC7325	G27
B051F19000CPG KC7325	G27
B051F19100CPG KC7325	G27
B051F19200CPG KC7325	G27
B051F19300CPG KC7325	G27
B051F19400CPG KC7325	G27
B051F19500CPG KC7325	G27
B051F19600CPG KC7325	G27
B051F19700CPG KC7325	G27
B051F19800CPG KC7325	G27
B051F19900CPG KC7325	G27
B051F20000CPG KC7325	G27
B052A01500CPG KC7325	G18
B052A01600CPG KC7325	G18
B052A01700CPG KC7325	G18
B052A01800CPG KC7325	G18
B052A01900CPG KC7325	G18
B052A01984CPG KC7325	G18
B052A02000CPG KC7325	G18
B052A02100CPG KC7325	G18
B052A02200CPG KC7325	G18
B052A02300CPG KC7325	G18
B052A02383CPG KC7325	G18
B052A02400CPG KC7325	G18
B052A02439CPG KC7325	G18
B052A02489CPG KC7325	G18
B052A02500CPG KC7325	G18
B052A02578CPG KC7325	G18
B052A02600CPG KC7325	G18
B052A02642CPG KC7325	G18
B052A02700CPG KC7325	G18
B052A02705CPG KC7325	G18
B052A02779CPG KC7325	G18
B052A02800CPG KC7325	G18
B052A02820CPG KC7325	G18
B052A02870CPG KC7325	G18
B052A02900CPG KC7325	G18
B052A02947CPG KC7325	G19
B052A03000CPG KC7325	G19
B052A03048CPG KC7325	G19
B052A03100CPG KC7325	G19
B052A03175CPG KC7325	G19
B052A03200CPG KC7325	G19
B052A03264CPG KC7325	G19
B052A03300CPG KC7325	G19
B052A03400CPG KC7325	G19
B052A03455CPG KC7325	G19
B052A03500CPG KC7325	G19
B052A03571CPG KC7325	G19
B052A03600CPG KC7325	G19
B052A03658CPG KC7325	G19
B052A03700CPG KC7325	G19
B052A03734CPG KC7325	G19
B052A03800CPG KC7325	G19
B052A03900CPG KC7325	G19
B052A03970CPG KC7325	G19
B052A04000CPG KC7325	G19
B052A04039CPG KC7325	G19
B052A04090CPG KC7325	G19
B052A04100CPG KC7325	G19
B052A04200CPG KC7325	G19
B052A04217CPG KC7325	G19
B052A04300CPG KC7325	G19
B052A04366CPG KC7325	G19
B052A04400CPG KC7325	G19
B052A04500CPG KC7325	G19
B052A04600CPG KC7325	G19
B052A04623CPG KC7325	G19
B052A04700CPG KC7325	G19
B052A04763CPG KC7325	G19
B052A04800CPG KC7325	G19
B052A04852CPG KC7325	G19
B052A04900CPG KC7325	G19
B052A05000CPG KC7325	G19
B052A05100CPG KC7325	G19
B052A05106CPG KC7325	G19
B052A05159CPG KC7325	G19
B052A05200CPG KC7325	G19
B052A05300CPG KC7325	G19
B052A05400CPG KC7325	G19
B052A05410CPG KC7325	G19
B052A05500CPG KC7325	G19
B052A05558CPG KC7325	G19
B052A05600CPG KC7325	G19
B052A05616CPG KC7325	G19
B052A05700CPG KC7325	G19
B052A05800CPG KC7325	G19
B052A05900CPG KC7325	G19
B052A05954CPG KC7325	G19
B052A06000CPG KC7325	G20
B052A06100CPG KC7325	G20
B052A06200CPG KC7325	G20
B052A06300CPG KC7325	G20
B052A06350CPG KC7325	G20
B052A06400CPG KC7325	G20
B052A06500CPG KC7325	G20
B052A06528CPG KC7325	G20
B052A06600CPG KC7325	G20
B052A06630CPG KC7325	G20
B052A06700CPG KC7325	G20
B052A06746CPG KC7325	G20
B052A06800CPG KC7325	G20
B052A06900CPG KC7325	G20
B052A07000CPG KC7325	G20
B052A07100CPG KC7325	G20
B052A07145CPG KC7325	G20
B052A07200CPG KC7325	G20
B052A07300CPG KC7325	G20
B052A07400CPG KC7325	G20
B052A07500CPG KC7325	G20
B052A07541CPG KC7325	G20
B052A07600CPG KC7325	G20
B052A07700CPG KC7325	G20
B052A07800CPG KC7325	G20
B052A07900CPG KC7325	G20
B052A07938CPG KC7325	G20
B052A08000CPG KC7325	G20
B052A08100CPG KC7325	G20
B052A08200CPG KC7325	G20
B052A08300CPG KC7325	G20
B052A08334CPG KC7325	G20
B052A08400CPG KC7325	G20
B052A08433CPG KC7325	G20
B052A08500CPG KC7325	G20
B052A08600CPG KC7325	G20
B052A08700CPG KC7325	G20
B052A08733CPG KC7325	G20
B052A08800CPG KC7325	G20
B052A08900CPG KC7325	G20
B052A09000CPG KC7325	G20
B052A09100CPG KC7325	G20
B052A09129CPG KC7325	G20
B052A09200CPG KC7325	G20
B052A09300CPG KC7325	G20
B052A09347CPG KC7325	G20
B052A09400CPG KC7325	G20
B052A09500CPG KC7325	G20
B052A09525CPG KC7325	G20
B052A09600CPG KC7325	G20
B052A09700CPG KC7325	G20
B052A09800CPG KC7325	G20
B052A09900CPG KC7325	G21
B052A09921CPG KC7325	G21
B052A10000CPG KC7325	G21
B052A10100CPG KC7325	G21
B052A10200CPG KC7325	G21
B052A10300CPG KC7325	G21
B052A10320CPG KC7325	G21
B052A10400CPG KC7325	G21
B052A10500CPG KC7325	G21
B052A10600CPG KC7325	G21
B052A10700CPG KC7325	G21
B052A10716CPG KC7325	G21
B052A10800CPG KC7325	G21
B052A10900CPG KC7325	G21
B052A11000CPG KC7325	G21
B052A11100CPG KC7325	G21
B052A11113CPG KC7325	G21
B052A11200CPG KC7325	G21
B052A11300CPG KC7325	G21
B052A11400CPG KC7325	G21
B052A11500CPG KC7325	G21
B052A11509CPG KC7325	G21
B052A11600CPG KC7325	G21
B052A11700CPG KC7325	G21
B052A11800CPG KC7325	G21
B052A11900CPG KC7325	G21
B052A11908CPG KC7325	G21
B052A12000CPG KC7325	G21
B052A12100CPG KC7325	G21
B052A12200CPG KC7325	G21
B052A12300CPG KC7325	G21
B052A12304CPG KC7325	G21
B052A12400CPG KC7325	G21
B052A12500CPG KC7325	G21
B052A12600CPG KC7325	G21
B052A12700CPG KC7325	G21
B052A12800CPG KC7325	G21
B052A12900CPG KC7325	G21
B052A13000CPG KC7325	G21
B052A13096CPG KC7325	G21
B052A13100CPG KC7325	G21
B052A13200CPG KC7325	G21
B052A13300CPG KC7325	G21
B052A13400CPG KC7325	G21
B052A13500CPG KC7325	G21
B052A13600CPG KC7325	G21
B052A13700CPG KC7325	G21
B052A13800CPG KC7325	G21
B052A13891CPG KC7325	G21
B052A13900CPG KC7325	G21
B052A14000CPG KC7325	G21
B052A14100CPG KC7325	G21
B052A14200CPG KC7325	G22
B052A14288CPG KC7325	G22
B052A14300CPG KC7325	G22
B052A14400CPG KC7325	G22
B052A14500CPG KC7325	G22
B052A14600CPG KC7325	G22
B052A14684CPG KC7325	G22
B052A14700CPG KC7325	G22
B052A14800CPG KC7325	G22
B052A14900CPG KC7325	G22
B052A15000CPG KC7325	G22
B052A15083CPG KC7325	G22
B052A15100CPG KC7325	G22
B052A15200CPG KC7325	G22
B052A15300CPG KC7325	G22
B052A15400CPG KC7325	G22
B052A15479CPG KC7325	G22
B052A15500CPG KC7325	G22
B052A15600CPG KC7325	G22
B052A15700CPG KC7325	G22
B052A15800CPG KC7325	G22
B052A15875CPG KC7325	G22
B052A15900CPG KC7325	G22
B052A16000CPG KC7325	G22
B052A16100CPG KC7325	G22
B052A16200CPG KC7325	G22
B052A16271CPG KC7325	G22
B052A16300CPG KC7325	G22
B052A16400CPG KC7325	G22
B052A16500CPG KC7325	G22
B052A16600CPG KC7325	G22
B052A16670CPG KC7325	G22
B052A16700CPG KC7325	G22
B052A16800CPG KC7325	G22
B052A16900CPG KC7325	G22
B052A17000CPG KC7325	G22
B052A17100CPG KC7325	G22
B052A17200CPG KC7325	G22
B052A17300CPG KC7325	G22
B052A17400CPG KC7325	G22
B052A17463CPG KC7325	G22
B052A17500CPG KC7325	G22
B052A17600CPG KC7325	G22
B052A17700CPG KC7325	G22
B052A17800CPG KC7325	G22
B052A17859CPG KC7325	G22
B052A17900CPG KC7325	G22
B052A18000CPG KC7325	G22
B052A18100CPG KC7325	G22
B052A18200CPG KC7325	G22
B052A18258CPG KC7325	G22
B052A18300CPG KC7325	G22
B052A18400CPG KC7325	G23
B052A18500CPG KC7325	G23
B052A18600CPG KC7325	G23
B052A18654CPG KC7325	G23
B052A18700CPG KC7325	G23
B052A18800CPG KC7325	G23
B052A18900CPG KC7325	G23

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B052A19000CPG KC7325	G23
B052A19050CPG KC7325	G23
B052A19100CPG KC7325	G23
B052A19200CPG KC7325	G23
B052A19300CPG KC7325	G23
B052A19400CPG KC7325	G23
B052A19500CPG KC7325	G23
B052A19600CPG KC7325	G23
B052A19700CPG KC7325	G23
B052A19800CPG KC7325	G23
B052A19900CPG KC7325	G23
B052A20000CPG KC7325	G23
B052F03000CPG KC7325	G24
B052F03100CPG KC7325	G24
B052F03200CPG KC7325	G24
B052F03300CPG KC7325	G24
B052F03400CPG KC7325	G24
B052F03500CPG KC7325	G24
B052F03600CPG KC7325	G24
B052F03700CPG KC7325	G24
B052F03800CPG KC7325	G24
B052F03900CPG KC7325	G24
B052F04000CPG KC7325	G24
B052F04100CPG KC7325	G24
B052F04200CPG KC7325	G24
B052F04300CPG KC7325	G24
B052F04400CPG KC7325	G24
B052F04500CPG KC7325	G24
B052F04600CPG KC7325	G24
B052F04700CPG KC7325	G24
B052F04800CPG KC7325	G24
B052F04900CPG KC7325	G24
B052F05000CPG KC7325	G24
B052F05100CPG KC7325	G24
B052F05200CPG KC7325	G24
B052F05300CPG KC7325	G24
B052F05400CPG KC7325	G24
B052F05500CPG KC7325	G24
B052F05600CPG KC7325	G24
B052F05700CPG KC7325	G24
B052F05800CPG KC7325	G24
B052F05900CPG KC7325	G24
B052F06000CPG KC7325	G24
B052F06100CPG KC7325	G24
B052F06200CPG KC7325	G25
B052F06300CPG KC7325	G25
B052F06400CPG KC7325	G25
B052F06500CPG KC7325	G25
B052F06600CPG KC7325	G25
B052F06700CPG KC7325	G25
B052F06800CPG KC7325	G25
B052F06900CPG KC7325	G25
B052F07000CPG KC7325	G25
B052F07100CPG KC7325	G25
B052F07200CPG KC7325	G25
B052F07300CPG KC7325	G25
B052F07400CPG KC7325	G25
B052F07500CPG KC7325	G25
B052F07600CPG KC7325	G25
B052F07700CPG KC7325	G25
B052F07800CPG KC7325	G25
B052F07900CPG KC7325	G25
B052F08000CPG KC7325	G25
B052F08100CPG KC7325	G25
B052F08200CPG KC7325	G25
B052F08300CPG KC7325	G25
B052F08400CPG KC7325	G25
B052F08500CPG KC7325	G25
B052F08600CPG KC7325	G25
B052F08700CPG KC7325	G25
B052F08800CPG KC7325	G25
B052F08900CPG KC7325	G25
B052F09000CPG KC7325	G25
B052F09100CPG KC7325	G25
B052F09200CPG KC7325	G25
B052F09300CPG KC7325	G25
B052F09400CPG KC7325	G25
B052F09500CPG KC7325	G25
B052F09600CPG KC7325	G25
B052F09700CPG KC7325	G25
B052F09800CPG KC7325	G25
B052F09900CPG KC7325	G25
B052F100000CPG KC7325	G25
B052F10100CPG KC7325	G25
B052F10200CPG KC7325	G25
B052F10300CPG KC7325	G25
B052F10400CPG KC7325	G25
B052F10500CPG KC7325	G25
B052F10600CPG KC7325	G25
B052F10700CPG KC7325	G25
B052F10800CPG KC7325	G25
B052F10900CPG KC7325	G25
B052F11000CPG KC7325	G25
B052F11100CPG KC7325	G25
B052F11200CPG KC7325	G25
B052F11300CPG KC7325	G25
B052F11400CPG KC7325	G26
B052F11500CPG KC7325	G26
B052F11600CPG KC7325	G26
B052F11700CPG KC7325	G26
B052F11800CPG KC7325	G26
B052F11900CPG KC7325	G26
B052F12000CPG KC7325	G26
B052F12100CPG KC7325	G26
B052F12200CPG KC7325	G26
B052F12300CPG KC7325	G26
B052F12400CPG KC7325	G26
B052F12500CPG KC7325	G26
B052F12600CPG KC7325	G26
B052F12700CPG KC7325	G26
B052F12800CPG KC7325	G26
B052F12900CPG KC7325	G26
B052F13000CPG KC7325	G26
B052F13100CPG KC7325	G26
B052F13200CPG KC7325	G26
B052F13300CPG KC7325	G26
B052F13400CPG KC7325	G26
B052F13500CPG KC7325	G26
B052F13600CPG KC7325	G26
B052F13700CPG KC7325	G26
B052F13800CPG KC7325	G26
B052F13900CPG KC7325	G26
B052F14000CPG KC7325	G26
B052F14100CPG KC7325	G26
B052F14200CPG KC7325	G26
B052F14300CPG KC7325	G26
B052F14400CPG KC7325	G26
B052F14500CPG KC7325	G26
B052F14600CPG KC7325	G26
B052F14700CPG KC7325	G26
B052F14800CPG KC7325	G26
B052F14900CPG KC7325	G26
B052F15000CPG KC7325	G26
B052F15100CPG KC7325	G26
B052F15200CPG KC7325	G26
B052F15300CPG KC7325	G26
B052F15400CPG KC7325	G26
B052F15500CPG KC7325	G26
B052F15600CPG KC7325	G26
B052F15700CPG KC7325	G26
B052F15800CPG KC7325	G26
B052F15900CPG KC7325	G26
B052F16000CPG KC7325	G26
B052F16100CPG KC7325	G26
B052F16200CPG KC7325	G26
B052F16300CPG KC7325	G26
B052F16400CPG KC7325	G26
B052F16500CPG KC7325	G26
B052F16600CPG KC7325	G27
B052F16700CPG KC7325	G27
B052F16800CPG KC7325	G27
B052F16900CPG KC7325	G27
B052F17000CPG KC7325	G27
B052F17100CPG KC7325	G27
B052F17200CPG KC7325	G27
B052F17300CPG KC7325	G27
B052F17400CPG KC7325	G27
B052F17500CPG KC7325	G27
B052F17600CPG KC7325	G27
B052F17700CPG KC7325	G27
B052F17800CPG KC7325	G27
B052F17900CPG KC7325	G27
B052F18000CPG KC7325	G27
B052F18100CPG KC7325	G27
B052F18200CPG KC7325	G27
B052F18300CPG KC7325	G27
B052F18400CPG KC7325	G27
B052F18500CPG KC7325	G27
B052F18600CPG KC7325	G27
B052F18700CPG KC7325	G27
B052F18800CPG KC7325	G27
B052F18900CPG KC7325	G27
B052F19000CPG KC7325	G27
B052F19100CPG KC7325	G27
B052F19200CPG KC7325	G27
B052F19300CPG KC7325	G27
B052F19400CPG KC7325	G27
B052F19500CPG KC7325	G27
B052F19600CPG KC7325	G27
B052F19700CPG KC7325	G27
B052F19800CPG KC7325	G27
B052F19900CPG KC7325	G27
B052F20000CPG KC7325	G27
B053A01000CPG KC7325	G18
B053A01016CPG KC7325	G18
B053A01067CPG KC7325	G18
B053A01100CPG KC7325	G18
B053A01181CPG KC7325	G18
B053A01191CPG KC7325	G18
B053A01200CPG KC7325	G18
B053A01300CPG KC7325	G18
B053A01321CPG KC7325	G18
B053A01397CPG KC7325	G18
B053A01400CPG KC7325	G18
B053A01500CPG KC7325	G18
B053A01600CPG KC7325	G18
B053A01700CPG KC7325	G18
B053A01800CPG KC7325	G18
B053A01900CPG KC7325	G18
B053A01984CPG KC7325	G18
B053A02000CPG KC7325	G18
B053A02100CPG KC7325	G18
B053A02200CPG KC7325	G18
B053A02300CPG KC7325	G18
B053A02383CPG KC7325	G18
B053A02400CPG KC7325	G18
B053A02439CPG KC7325	G18
B053A02489CPG KC7325	G18
B053A02500CPG KC7325	G18
B053A02578CPG KC7325	G18
B053A02600CPG KC7325	G18
B053A02642CPG KC7325	G18
B053A02700CPG KC7325	G18
B053A02705CPG KC7325	G18
B053A02779CPG KC7325	G18
B053A02800CPG KC7325	G18
B053A02820CPG KC7325	G18
B053A02870CPG KC7325	G18
B053A02900CPG KC7325	G18
B053A02947CPG KC7325	G19
B053A03000CPG KC7325	G19
B053A03048CPG KC7325	G19
B053A03100CPG KC7325	G19
B053A03175CPG KC7325	G19
B053A03200CPG KC7325	G19
B053A03264CPG KC7325	G19
B053A03300CPG KC7325	G19
B053A03400CPG KC7325	G19
B053A03455CPG KC7325	G19
B053A03500CPG KC7325	G19
B053A03571CPG KC7325	G19
B053A03600CPG KC7325	G19
B053A03658CPG KC7325	G19
B053A03700CPG KC7325	G19
B053A03734CPG KC7325	G19
B053A03800CPG KC7325	G19
B053A03900CPG KC7325	G19
B053A03970CPG KC7325	G19
B053A04000CPG KC7325	G19
B053A04039CPG KC7325	G19
B053A04090CPG KC7325	G19
B053A04100CPG KC7325	G19
B053A04200CPG KC7325	G19
B053A04217CPG KC7325	G19
B053A04300CPG KC7325	G19
B053A04366CPG KC7325	G19
B053A04400CPG KC7325	G19
B053A04500CPG KC7325	G19
B053A04600CPG KC7325	G19
B053A04623CPG KC7325	G19
B053A04700CPG KC7325	G19
B053A04763CPG KC7325	G19
B053A04800CPG KC7325	G19
B053A04852CPG KC7325	G19
B053A04900CPG KC7325	G19
B053A05000CPG KC7325	G19
B053A05100CPG KC7325	G19
B053A05106CPG KC7325	G19
B053A05159CPG KC7325	G19
B053A05200CPG KC7325	G19
B053A05300CPG KC7325	G19
B053A05400CPG KC7325	G19
B053A05410CPG KC7325	G19
B053A05500CPG KC7325	G19
B053A05558CPG KC7325	G19
B053A05600CPG KC7325	G19
B053A05616CPG KC7325	G19
B053A05700CPG KC7325	G19
B053A05800CPG KC7325	G19
B053A05900CPG KC7325	G19
B053A05954CPG KC7325	G19
B053A06000CPG KC7325	G20
B053A06100CPG KC7325	G20
B053A06200CPG KC7325	G20
B053A06300CPG KC7325	G20
B053A06350CPG KC7325	G20
B053A06400CPG KC7325	G20
B053A06500CPG KC7325	G20
B053A06528CPG KC7325	G20
B053A06600CPG KC7325	G20
B053A06630CPG KC7325	G20
B053A06700CPG KC7325	G20
B053A06746CPG KC7325	G20
B053A06800CPG KC7325	G20
B053A06900CPG KC7325	G20
B053A07000CPG KC7325	G20
B053A07100CPG KC7325	G20
B053A07145CPG KC7325	G20
B053A07200CPG KC7325	G20
B053A07300CPG KC7325	G20
B053A07400CPG KC7325	G20
B053A07500CPG KC7325	G20
B053A07541CPG KC7325	G20
B053A07600CPG KC7325	G20
B053A07700CPG KC7325	G20
B053A07800CPG KC7325	G20
B053A07900CPG KC7325	G20
B053A07938CPG KC7325	G20
B053A08000CPG KC7325	G20
B053A08100CPG KC7325	G20
B053A08200CPG KC7325	G20
B053A08300CPG KC7325	G20
B053A08334CPG KC7325	G20
B053A08400CPG KC7325	G20
B053A08433CPG KC7325	G20
B053A08500CPG KC7325	G20
B053A08600CPG KC7325	G20
B053A08700CPG KC7325	G20
B053A08733CPG KC7325	G20
B053A08800CPG KC7325	G20
B053A08900CPG KC7325	G20
B053A09000CPG KC7325	G20
B053A09100CPG KC7325	G20
B053A09129CPG KC7325	G20
B053A09200CPG KC7325	G20
B053A09300CPG KC7325	G20
B053A09347CPG KC7325	G20
B053A09400CPG KC7325	G20
B053A09500CPG KC7325	G20
B053A09525CPG KC7325	G20
B053A09600CPG KC7325	G20
B053A09700CPG KC7325	G20
B053A09800CPG KC7325	G20
B053A09900CPG KC7325	G21
B053A09921CPG KC7325	G21
B053A10000CPG KC7325	G21
B053A10100CPG KC7325	G21
B053A10200CPG KC7325	G21

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B053A10300CPG KC7325	G21
B053A10320CPG KC7325	G21
B053A10400CPG KC7325	G21
B053A10500CPG KC7325	G21
B053A10600CPG KC7325	G21
B053A10700CPG KC7325	G21
B053A10716CPG KC7325	G21
B053A10800CPG KC7325	G21
B053A10900CPG KC7325	G21
B053A11000CPG KC7325	G21
B053A11100CPG KC7325	G21
B053A11113CPG KC7325	G21
B053A11200CPG KC7325	G21
B053A11300CPG KC7325	G21
B053A11400CPG KC7325	G21
B053A11500CPG KC7325	G21
B053A11509CPG KC7325	G21
B053A11600CPG KC7325	G21
B053A11700CPG KC7325	G21
B053A11800CPG KC7325	G21
B053A11900CPG KC7325	G21
B053A11908CPG KC7325	G21
B053A12000CPG KC7325	G21
B053A12100CPG KC7325	G21
B053A12200CPG KC7325	G21
B053A12300CPG KC7325	G21
B053A12304CPG KC7325	G21
B053A12400CPG KC7325	G21
B053A12500CPG KC7325	G21
B053A12600CPG KC7325	G21
B053A12700CPG KC7325	G21
B053A12800CPG KC7325	G21
B053A12900CPG KC7325	G21
B053A13000CPG KC7325	G21
B053A13096CPG KC7325	G21
B053A13100CPG KC7325	G21
B053A13200CPG KC7325	G21
B053A13300CPG KC7325	G21
B053A13400CPG KC7325	G21
B053A13500CPG KC7325	G21
B053A13600CPG KC7325	G21
B053A13700CPG KC7325	G21
B053A13800CPG KC7325	G21
B053A13891CPG KC7325	G21
B053A13900CPG KC7325	G21
B053A14000CPG KC7325	G21
B053A14100CPG KC7325	G21
B053A14200CPG KC7325	G22
B053A14288CPG KC7325	G22
B053A14300CPG KC7325	G22
B053A14400CPG KC7325	G22
B053A14500CPG KC7325	G22
B053A14600CPG KC7325	G22
B053A14684CPG KC7325	G22
B053A14700CPG KC7325	G22
B053A14800CPG KC7325	G22
B053A14900CPG KC7325	G22
B053A15000CPG KC7325	G22
B053A15083CPG KC7325	G22
B053A15100CPG KC7325	G22
B053A15200CPG KC7325	G22
B053A15300CPG KC7325	G22
B053A15400CPG KC7325	G22
B053A15479CPG KC7325	G22
B053A15500CPG KC7325	G22
B053A15600CPG KC7325	G22
B053A15700CPG KC7325	G22
B053A15800CPG KC7325	G22
B053A15875CPG KC7325	G22
B053A15900CPG KC7325	G22
B053A16000CPG KC7325	G22
B053A16100CPG KC7325	G22
B053A16200CPG KC7325	G22
B053A16271CPG KC7325	G22
B053A16300CPG KC7325	G22
B053A16400CPG KC7325	G22
B053A16500CPG KC7325	G22
B053A16600CPG KC7325	G22
B053A16670CPG KC7325	G22
B053A16700CPG KC7325	G22
B053A16800CPG KC7325	G22
B053A16900CPG KC7325	G22
B053A17000CPG KC7325	G22
B053A17100CPG KC7325	G22
B053A17200CPG KC7325	G22
B053A17300CPG KC7325	G22
B053A17400CPG KC7325	G22
B053A17463CPG KC7325	G22
B053A17500CPG KC7325	G22
B053A17600CPG KC7325	G22
B053A17700CPG KC7325	G22
B053A17800CPG KC7325	G22
B053A17859CPG KC7325	G22
B053A17900CPG KC7325	G22
B053A18000CPG KC7325	G22
B053A18100CPG KC7325	G22
B053A18200CPG KC7325	G22
B053A18258CPG KC7325	G22
B053A18300CPG KC7325	G22
B053A18400CPG KC7325	G23
B053A18500CPG KC7325	G23
B053A18600CPG KC7325	G23
B053A18654CPG KC7325	G23
B053A18700CPG KC7325	G23
B053A18800CPG KC7325	G23
B053A18900CPG KC7325	G23
B053A19000CPG KC7325	G23
B053A19050CPG KC7325	G23
B053A19100CPG KC7325	G23
B053A19200CPG KC7325	G23
B053A19300CPG KC7325	G23
B053A19400CPG KC7325	G23
B053A19500CPG KC7325	G23
B053A19600CPG KC7325	G23
B053A19700CPG KC7325	G23
B053A19800CPG KC7325	G23
B053A19900CPG KC7325	G23
B053A20000CPG KC7325	G23
B105A03000 K10	G32
B105A03100 K10	G32
B105A03200 K10	G32
B105A03300 K10	G32
B105A03400 K10	G32
B105A03500 K10	G32
B105A03600 K10	G32
B105A03700 K10	G32
B105A03800 K10	G32
B105A03900 K10	G32
B105A04000 K10	G32
B105A04100 K10	G32
B105A04200 K10	G32
B105A04300 K10	G32
B105A04500 K10	G32
B105A04600 K10	G32
B105A04650 K10	G32
B105A04700 K10	G32
B105A04800 K10	G32
B105A04900 K10	G32
B105A05000 K10	G32
B105A05100 K10	G32
B105A05200 K10	G32
B105A05400 K10	G32
B105A05500 K10	G32
B105A05550 K10	G32
B105A05600 K10	G32
B105A05700 K10	G32
B105A05800 K10	G32
B105A06000 K10	G32
B105A06100 K10	G32
B105A06200 K10	G32
B105A06300 K10	G32
B105A06350 K10	G32
B105A06400 K10	G32
B105A06500 K10	G32
B105A06600 K10	G33
B105A06700 K10	G33
B105A06800 K10	G33
B105A07000 K10	G33
B105A07100 K10	G33
B105A07400 K10	G33
B105A07500 K10	G33
B105A07600 K10	G33
B105A07800 K10	G33
B105A08000 K10	G33
B105A08100 K10	G33
B105A08200 K10	G33
B105A08300 K10	G33
B105A08400 K10	G33
B105A08500 K10	G33
B105A08600 K10	G33
B105A08700 K10	G33
B105A08800 K10	G33
B105A09000 K10	G33
B105A09100 K10	G33
B105A09300 K10	G33
B105A09500 K10	G33
B105A09700 K10	G33
B105A09800 K10	G33
B105A10000 K10	G33
B105A10100 K10	G33
B105A10200 K10	G33
B105A10300 K10	G33
B105A10400 K10	G33
B105A10500 K10	G33
B105A10700 K10	G33
B105A10800 K10	G33
B105A11000 K10	G33
B105A11100 K10	G33
B105A11200 K10	G33
B105A11500 K10	G33
B105A11700 K10	G33
B105A11800 K10	G33
B105A12000 K10	G33
B105A12100 K10	G33
B105A12500 K10	G33
B105A12700 K10	G33
B105A12800 K10	G33
B105A13000 K10	G33
B105A13100 K10	G33
B105A13500 K10	G33
B105A13800 K10	G33
B105A14000 K10	G33
B105A14200 K10	G33
B105A14500 K10	G33
B105A15000 K10	G33
B105A15100 K10	G33
B105A15500 K10	G34
B105A15800 K10	G34
B105A16000 K10	G34
B105A16500 K10	G34
B105A17000 K10	G34
B105A17500 K10	G34
B105A18000 K10	G34
B105A18500 K10	G34
B105A19000 K10	G34
B105A19500 K10	G34
B105A20000 K10	G34
B105A20500 K10	G34
B105A21000 K10	G34
B210A03000SGL KCMS15	G38
B210A03048SGL KCMS15	G38
B210A03175SGL KCMS15	G38
B210A03200SGL KCMS15	G38
B210A03264SGL KCMS15	G38
B210A03300SGL KCMS15	G38
B210A03400SGL KCMS15	G38
B210A03455SGL KCMS15	G38
B210A03500SGL KCMS15	G38
B210A03700SGL KCMS15	G38
B210A03800SGL KCMS15	G38
B210A04000SGL KCMS15	G38
B210A04100SGL KCMS15	G38
B210A04200SGL KCMS15	G38
B210A04300SGL KCMS15	G38
B210A04366SGL KCMS15	G38
B210A04500SGL KCMS15	G38
B210A04700SGL KCMS15	G38
B210A04800SGL KCMS15	G39
B210A04900SGL KCMS15	G39
B210A05000SGL KCMS15	G39
B210A05100SGL KCMS15	G39
B210A05106SGL KCMS15	G39
B210A05159SGL KCMS15	G39
B210A05200SGL KCMS15	G39
B210A05300SGL KCMS15	G39
B210A05400SGL KCMS15	G39
B210A05500SGL KCMS15	G39
B210A05616SGL KCMS15	G39
B210A05800SGL KCMS15	G39
B210A05954SGL KCMS15	G39
B210A06000SGL KCMS15	G39
B210A06100SGL KCMS15	G39
B210A06200SGL KCMS15	G39
B210A06300SGL KCMS15	G39
B210A06350SGL KCMS15	G39
B210A06400SGL KCMS15	G39
B210A06500SGL KCMS15	G39
B210A06700SGL KCMS15	G39
B210A06800SGL KCMS15	G39
B210A06900SGL KCMS15	G39
B210A07000SGL KCMS15	G39
B210A07100SGL KCMS15	G39
B210A07145SGL KCMS15	G39
B210A07400SGL KCMS15	G39
B210A07500SGL KCMS15	G39
B210A07800SGL KCMS15	G39
B210A07938SGL KCMS15	G39
B210A08000SGL KCMS15	G39
B210A08100SGL KCMS15	G39
B210A08200SGL KCMS15	G39
B210A08400SGL KCMS15	G39
B210A08433SGL KCMS15	G39
B210A08500SGL KCMS15	G39
B210A08600SGL KCMS15	G39
B210A08700SGL KCMS15	G40
B210A08800SGL KCMS15	G40
B210A09000SGL KCMS15	G40
B210A09093SGL KCMS15	G40
B210A09500SGL KCMS15	G40
B210A09700SGL KCMS15	G40
B210A09800SGL KCMS15	G40
B210A09921SGL KCMS15	G40
B210A10000SGL KCMS15	G40
B210A10200SGL KCMS15	G40
B210A10400SGL KCMS15	G40
B210A10500SGL KCMS15	G40
B210A10716SGL KCMS15	G40
B210A10800SGL KCMS15	G40
B210A11000SGL KCMS15	G40
B210A11200SGL KCMS15	G40
B210A11500SGL KCMS15	G40
B210A11509SGL KCMS15	G40
B210A12000SGL KCMS15	G40
B210A12200SGL KCMS15	G40
B210A12304SGL KCMS15	G40
B210A12500SGL KCMS15	G40
B210A12700SGL KCMS15	G40
B210A12800SGL KCMS15	G40
B210A13000SGL KCMS15	G40
B210A13495SGL KCMS15	G40
B210A13500SGL KCMS15	G40
B210A14000SGL KCMS15	G40
B210A14100SGL KCMS15	G40
B210A14200SGL KCMS15	G41
B210A14500SGL KCMS15	G41
B210A15000SGL KCMS15	G41
B210A15500SGL KCMS15	G41
B210A15875SGL KCMS15	G41
B210A16000SGL KCMS15	G41
B210A16129SGL KCMS15	G41
B210A16500SGL KCMS15	G41
B210A16670SGL KCMS15	G41
B210A17000SGL KCMS15	G41
B210A17500SGL KCMS15	G41
B210A18000SGL KCMS15	G41
B210A18500SGL KCMS15	G41
B210A19050SGL KCMS15	G41
B210A19500SGL KCMS15	G41
B210A20000SGL KCMS15	G41
B210Z02500SGL KCMS15	G38
B211A03000SGL KCMS15	G38
B211A03048SGL KCMS15	G38
B211A03100SGL KCMS15	G38
B211A03175SGL KCMS15	G38
B211A03200SGL KCMS15	G38
B211A03300SGL KCMS15	G38
B211A03400SGL KCMS15	G38
B211A03455SGL KCMS15	G38

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B211A03500SGL KCMS15	G38
B211A03571SGL KCMS15	G38
B211A03600SGL KCMS15	G38
B211A03658SGL KCMS15	G38
B211A03700SGL KCMS15	G38
B211A03734SGL KCMS15	G38
B211A03800SGL KCMS15	G38
B211A03861SGL KCMS15	G38
B211A03900SGL KCMS15	G38
B211A04000SGL KCMS15	G38
B211A04039SGL KCMS15	G38
B211A04100SGL KCMS15	G38
B211A04200SGL KCMS15	G38
B211A04217SGL KCMS15	G38
B211A04300SGL KCMS15	G38
B211A04366SGL KCMS15	G38
B211A04400SGL KCMS15	G38
B211A04500SGL KCMS15	G38
B211A04600SGL KCMS15	G38
B211A04700SGL KCMS15	G38
B211A04763SGL KCMS15	G39
B211A04800SGL KCMS15	G39
B211A04852SGL KCMS15	G39
B211A04900SGL KCMS15	G39
B211A05000SGL KCMS15	G39
B211A05100SGL KCMS15	G39
B211A05106SGL KCMS15	G39
B211A05159SGL KCMS15	G39
B211A05200SGL KCMS15	G39
B211A05300SGL KCMS15	G39
B211A05400SGL KCMS15	G39
B211A05500SGL KCMS15	G39
B211A05558SGL KCMS15	G39
B211A05600SGL KCMS15	G39
B211A05700SGL KCMS15	G39
B211A05800SGL KCMS15	G39
B211A05900SGL KCMS15	G39
B211A05954SGL KCMS15	G39
B211A06000SGL KCMS15	G39
B211A06100SGL KCMS15	G39
B211A06200SGL KCMS15	G39
B211A06300SGL KCMS15	G39
B211A06350SGL KCMS15	G39
B211A06400SGL KCMS15	G39
B211A06500SGL KCMS15	G39
B211A06600SGL KCMS15	G39
B211A06630SGL KCMS15	G39
B211A06700SGL KCMS15	G39
B211A06800SGL KCMS15	G39
B211A06900SGL KCMS15	G39
B211A07000SGL KCMS15	G39
B211A07100SGL KCMS15	G39
B211A07200SGL KCMS15	G39
B211A07300SGL KCMS15	G39
B211A07400SGL KCMS15	G39
B211A07500SGL KCMS15	G39
B211A07600SGL KCMS15	G39
B211A07700SGL KCMS15	G39
B211A07800SGL KCMS15	G39
B211A07900SGL KCMS15	G39
B211A07938SGL KCMS15	G39
B211A08000SGL KCMS15	G39
B211A08100SGL KCMS15	G39
B211A08200SGL KCMS15	G39
B211A08400SGL KCMS15	G39
B211A08500SGL KCMS15	G39
B211A08600SGL KCMS15	G39
B211A08700SGL KCMS15	G40
B211A08800SGL KCMS15	G40
B211A08900SGL KCMS15	G40
B211A09000SGL KCMS15	G40
B211A09100SGL KCMS15	G40
B211A09200SGL KCMS15	G40
B211A09300SGL KCMS15	G40
B211A09400SGL KCMS15	G40
B211A09500SGL KCMS15	G40
B211A09525SGL KCMS15	G40
B211A09600SGL KCMS15	G40
B211A09700SGL KCMS15	G40
B211A09800SGL KCMS15	G40
B211A09900SGL KCMS15	G40
B211A10000SGL KCMS15	G40
B211A10100SGL KCMS15	G40
B211A10200SGL KCMS15	G40
B211A10300SGL KCMS15	G40
B211A10400SGL KCMS15	G40
B211A10500SGL KCMS15	G40
B211A10700SGL KCMS15	G40
B211A10800SGL KCMS15	G40
B211A11000SGL KCMS15	G40
B211A11100SGL KCMS15	G40
B211A11113SGL KCMS15	G40
B211A11200SGL KCMS15	G40
B211A11400SGL KCMS15	G40
B211A11500SGL KCMS15	G40
B211A11700SGL KCMS15	G40
B211A11800SGL KCMS15	G40
B211A12000SGL KCMS15	G40
B211A12100SGL KCMS15	G40
B211A12200SGL KCMS15	G40
B211A12300SGL KCMS15	G40
B211A12500SGL KCMS15	G40
B211A12700SGL KCMS15	G40
B211A12800SGL KCMS15	G40
B211A12900SGL KCMS15	G40
B211A13000SGL KCMS15	G40
B211A13100SGL KCMS15	G40
B211A13200SGL KCMS15	G40
B211A13300SGL KCMS15	G40
B211A13500SGL KCMS15	G40
B211A13800SGL KCMS15	G40
B211A14000SGL KCMS15	G40
B211A14100SGL KCMS15	G40
B211A14300SGL KCMS15	G41
B211A14400SGL KCMS15	G41
B211A14500SGL KCMS15	G41
B211A14600SGL KCMS15	G41
B211A14800SGL KCMS15	G41
B211A15000SGL KCMS15	G41
B211A15100SGL KCMS15	G41
B211A15300SGL KCMS15	G41
B211A15500SGL KCMS15	G41
B211A15700SGL KCMS15	G41
B211A15875SGL KCMS15	G41
B211A16000SGL KCMS15	G41
B211A16100SGL KCMS15	G41
B211A16500SGL KCMS15	G41
B211A17000SGL KCMS15	G41
B211A17500SGL KCMS15	G41
B211A17700SGL KCMS15	G41
B211A18000SGL KCMS15	G41
B211A18500SGL KCMS15	G41
B211A19000SGL KCMS15	G41
B211A19159SGL KCMS15	G41
B211A19300SGL KCMS15	G41
B211A20500SGL KCMS15	G41
B212A03000SGL KCMS15	G38
B212A03175SGL KCMS15	G38
B212A03200SGL KCMS15	G38
B212A03264SGL KCMS15	G38
B212A03300SGL KCMS15	G38
B212A03455SGL KCMS15	G38
B212A03500SGL KCMS15	G38
B212A03571SGL KCMS15	G38
B212A03658SGL KCMS15	G38
B212A03700SGL KCMS15	G38
B212A03800SGL KCMS15	G38
B212A04000SGL KCMS15	G38
B212A04039SGL KCMS15	G38
B212A04100SGL KCMS15	G38
B212A04200SGL KCMS15	G38
B212A04300SGL KCMS15	G38
B212A04366SGL KCMS15	G38
B212A04500SGL KCMS15	G38
B212A04700SGL KCMS15	G38
B212A04800SGL KCMS15	G39
B212A04852SGL KCMS15	G39
B212A05000SGL KCMS15	G39
B212A05100SGL KCMS15	G39
B212A05200SGL KCMS15	G39
B212A05500SGL KCMS15	G39
B212A05800SGL KCMS15	G39
B212A06000SGL KCMS15	G39
B212A06350SGL KCMS15	G39
B212A06500SGL KCMS15	G39
B212A06630SGL KCMS15	G39
B212A06800SGL KCMS15	G39
B212A07000SGL KCMS15	G39
B212A07500SGL KCMS15	G39
B212A07800SGL KCMS15	G39
B212A08000SGL KCMS15	G39
B212A08400SGL KCMS15	G39
B212A08500SGL KCMS15	G39
B212A08800SGL KCMS15	G40
B212A09000SGL KCMS15	G40
B212A09500SGL KCMS15	G40
B212A10000SGL KCMS15	G40
B212A10200SGL KCMS15	G40
B212A10500SGL KCMS15	G40
B212A11000SGL KCMS15	G40
B212A11800SGL KCMS15	G40
B212A12000SGL KCMS15	G40
B212A12500SGL KCMS15	G40
B212A13000SGL KCMS15	G40
B212A13500SGL KCMS15	G40
B212A14000SGL KCMS15	G40
B221A03000HP KCPK15	G46
B221A03048HP KCPK15	G46
B221A03100HP KCPK15	G46
B221A03175HP KCPK15	G46
B221A03200HP KCPK15	G46
B221A03264HP KCPK15	G46
B221A03300HP KCPK15	G46
B221A03400HP KCPK15	G46
B221A03455HP KCPK15	G46
B221A03500HP KCPK15	G46
B221A03571HP KCPK15	G46
B221A03600HP KCPK15	G46
B221A03700HP KCPK15	G46
B221A03734HP KCPK15	G46
B221A03800HP KCPK15	G46
B221A03900HP KCPK15	G46
B221A03970HP KCPK15	G46
B221A04000HP KCPK15	G46
B221A04039HP KCPK15	G46
B221A04090HP KCPK15	G46
B221A04100HP KCPK15	G46
B221A04200HP KCPK15	G46
B221A04217HP KCPK15	G46
B221A04300HP KCPK15	G46
B221A04366HP KCPK15	G46
B221A04400HP KCPK15	G46
B221A04500HP KCPK15	G46
B221A04600HP KCPK15	G46
B221A04623HP KCPK15	G46
B221A04700HP KCPK15	G46
B221A04763HP KCPK15	G46
B221A04800HP KCPK15	G46
B221A04852HP KCPK15	G46
B221A04900HP KCPK15	G46
B221A05000HP KCPK15	G46
B221A05100HP KCPK15	G46
B221A05106HP KCPK15	G47
B221A05159HP KCPK15	G47
B221A05200HP KCPK15	G47
B221A05300HP KCPK15	G47
B221A05400HP KCPK15	G47
B221A05410HP KCPK15	G47
B221A05500HP KCPK15	G47
B221A05558HP KCPK15	G47
B221A05600HP KCPK15	G47
B221A05616HP KCPK15	G47
B221A05700HP KCPK15	G47
B221A05800HP KCPK15	G47
B221A05900HP KCPK15	G47
B221A06000HP KCPK15	G47
B221A06100HP KCPK15	G47
B221A06200HP KCPK15	G47
B221A06300HP KCPK15	G47
B221A06350HP KCPK15	G47
B221A06400HP KCPK15	G47
B221A06500HP KCPK15	G47
B221A06528HP KCPK15	G47
B221A06600HP KCPK15	G47
B221A06630HP KCPK15	G47
B221A06700HP KCPK15	G47
B221A06746HP KCPK15	G47
B221A06800HP KCPK15	G47
B221A06900HP KCPK15	G47
B221A07000HP KCPK15	G47
B221A07100HP KCPK15	G47
B221A07145HP KCPK15	G47
B221A07200HP KCPK15	G47
B221A07300HP KCPK15	G47
B221A07400HP KCPK15	G47
B221A07500HP KCPK15	G47
B221A07541HP KCPK15	G47
B221A07600HP KCPK15	G47
B221A07700HP KCPK15	G47
B221A07800HP KCPK15	G47
B221A07900HP KCPK15	G47
B221A07938HP KCPK15	G47
B221A08000HP KCPK15	G47
B221A08100HP KCPK15	G47
B221A08200HP KCPK15	G47
B221A08300HP KCPK15	G47
B221A08334HP KCPK15	G47
B221A08400HP KCPK15	G47
B221A08433HP KCPK15	G47
B221A08500HP KCPK15	G47
B221A08600HP KCPK15	G47
B221A08700HP KCPK15	G47
B221A08733HP KCPK15	G47
B221A08800HP KCPK15	G48
B221A08900HP KCPK15	G48
B221A09000HP KCPK15	G48
B221A09100HP KCPK15	G48
B221A09129HP KCPK15	G48
B221A09200HP KCPK15	G48
B221A09300HP KCPK15	G48
B221A09347HP KCPK15	G48
B221A09400HP KCPK15	G48
B221A09500HP KCPK15	G48
B221A09525HP KCPK15	G48
B221A09600HP KCPK15	G48
B221A09700HP KCPK15	G48
B221A09800HP KCPK15	G48
B221A09900HP KCPK15	G48
B221A09921HP KCPK15	G48
B221A10000HP KCPK15	G48
B221A10100HP KCPK15	G48
B221A10200HP KCPK15	G48
B221A10300HP KCPK15	G48
B221A10320HP KCPK15	G48
B221A10400HP KCPK15	G48
B221A10500HP KCPK15	G48
B221A10600HP KCPK15	G48
B221A10700HP KCPK15	G48
B221A10716HP KCPK15	G48
B221A10800HP KCPK15	G48
B221A10900HP KCPK15	G48
B221A11000HP KCPK15	G48
B221A11100HP KCPK15	G48
B221A11113HP KCPK15	G48
B221A11200HP KCPK15	G48
B221A11300HP KCPK15	G48
B221A11400HP KCPK15	G48
B221A11500HP KCPK15	G48
B221A11509HP KCPK15	G48
B221A11600HP KCPK15	G48
B221A11700HP KCPK15	G48
B221A11800HP KCPK15	G48
B221A11900HP KCPK15	G48
B221A11908HP KCPK15	G48
B221A12000HP KCPK15	G48
B221A12100HP KCPK15	G48
B221A12200HP KCPK15	G48
B221A12300HP KCPK15	G48
B221A12400HP KCPK15	G48
B221A12500HP KCPK15	G48
B221A12600HP KCPK15	G48
B221A12700HP KCPK15	G48
B221A12800HP KCPK15	G48
B221A12900HP KCPK15	G48
B221A13000HP KCPK15	G49
B221A13100HP KCPK15	G49
B221A13200HP KCPK15	G49
B221A13300HP KCPK15	G49

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B221A13500HP KCPK15	G49
B221A13600HP KCPK15	G49
B221A13700HP KCPK15	G49
B221A13800HP KCPK15	G49
B221A13891HP KCPK15	G49
B221A14000HP KCPK15	G49
B221A14100HP KCPK15	G49
B221A14200HP KCPK15	G49
B221A14288HP KCPK15	G49
B221A14300HP KCPK15	G49
B221A14400HP KCPK15	G49
B221A14500HP KCPK15	G49
B221A14600HP KCPK15	G49
B221A14684HP KCPK15	G49
B221A14700HP KCPK15	G49
B221A14800HP KCPK15	G49
B221A14900HP KCPK15	G49
B221A15000HP KCPK15	G49
B221A15083HP KCPK15	G49
B221A15100HP KCPK15	G49
B221A15200HP KCPK15	G49
B221A15300HP KCPK15	G49
B221A15400HP KCPK15	G49
B221A15479HP KCPK15	G49
B221A15500HP KCPK15	G49
B221A15600HP KCPK15	G49
B221A15700HP KCPK15	G49
B221A15800HP KCPK15	G49
B221A15875HP KCPK15	G49
B221A15900HP KCPK15	G49
B221A16000HP KCPK15	G49
B221A16500HP KCPK15	G49
B221A17000HP KCPK15	G49
B221A17463HP KCPK15	G49
B221A17500HP KCPK15	G49
B221A17700HP KCPK15	G49
B221A18000HP KCPK15	G49
B221A18500HP KCPK15	G49
B221A19000HP KCPK15	G49
B221A19050HP KCPK15	G49
B221A19500HP KCPK15	G49
B221A20000HP KCPK15	G49
B221A20500HP KCPK15	G49
B221A21000HP KCPK15	G49
B222A03000HP KCPK15	G46
B222A03048HP KCPK15	G46
B222A03175HP KCPK15	G46
B222A03264HP KCPK15	G46
B222A03300HP KCPK15	G46
B222A03455HP KCPK15	G46
B222A03500HP KCPK15	G46
B222A03571HP KCPK15	G46
B222A03700HP KCPK15	G46
B222A03800HP KCPK15	G46
B222A03970HP KCPK15	G46
B222A04000HP KCPK15	G46
B222A04200HP KCPK15	G46
B222A04366HP KCPK15	G46
B222A04500HP KCPK15	G46
B222A04600HP KCPK15	G46
B222A04763HP KCPK15	G46
B222A04800HP KCPK15	G46
B222A05000HP KCPK15	G46
B222A05100HP KCPK15	G46
B222A05106HP KCPK15	G47
B222A05159HP KCPK15	G47
B222A05410HP KCPK15	G47
B222A05500HP KCPK15	G47
B222A05558HP KCPK15	G47
B222A05800HP KCPK15	G47
B222A05954HP KCPK15	G47
B222A06000HP KCPK15	G47
B222A06350HP KCPK15	G47
B222A06500HP KCPK15	G47
B222A06528HP KCPK15	G47
B222A06700HP KCPK15	G47
B222A06746HP KCPK15	G47
B222A06800HP KCPK15	G47
B222A07000HP KCPK15	G47
B222A07145HP KCPK15	G47
B222A07500HP KCPK15	G47
B222A07541HP KCPK15	G47
B222A07800HP KCPK15	G47
B222A07938HP KCPK15	G47
B222A08000HP KCPK15	G47
B222A08200HP KCPK15	G47
B222A08334HP KCPK15	G47
B222A08433HP KCPK15	G47
B222A08500HP KCPK15	G47
B222A08733HP KCPK15	G47
B222A08800HP KCPK15	G48
B222A09000HP KCPK15	G48
B222A09129HP KCPK15	G48
B222A09300HP KCPK15	G48
B222A09500HP KCPK15	G48
B222A09525HP KCPK15	G48
B222A09800HP KCPK15	G48
B222A09921HP KCPK15	G48
B222A10000HP KCPK15	G48
B222A10200HP KCPK15	G48
B222A10320HP KCPK15	G48
B222A10500HP KCPK15	G48
B222A10716HP KCPK15	G48
B222A10800HP KCPK15	G48
B222A11000HP KCPK15	G48
B222A11113HP KCPK15	G48
B222A11500HP KCPK15	G48
B222A11509HP KCPK15	G48
B222A11908HP KCPK15	G48
B222A12000HP KCPK15	G48
B222A12304HP KCPK15	G48
B222A12500HP KCPK15	G48
B222A12700HP KCPK15	G48
B222A13000HP KCPK15	G49
B222A13500HP KCPK15	G49
B222A14000HP KCPK15	G49
B222A14288HP KCPK15	G49
B222A14500HP KCPK15	G49
B222A15000HP KCPK15	G49
B222A15500HP KCPK15	G49
B222A15875HP KCPK15	G49
B222A16000HP KCPK15	G49
B222A16500HP KCPK15	G49
B222A17000HP KCPK15	G49
B222A17463HP KCPK15	G49
B222A17500HP KCPK15	G49
B222A18000HP KCPK15	G49
B222A18500HP KCPK15	G49
B222A19000HP KCPK15	G49
B222A19050HP KCPK15	G49
B222A20000HP KCPK15	G49
B224A03000HP KCPK15	G51
B224A03048HP KCPK15	G51
B224A03100HP KCPK15	G51
B224A03175HP KCPK15	G51
B224A03200HP KCPK15	G51
B224A03264HP KCPK15	G51
B224A03300HP KCPK15	G51
B224A03400HP KCPK15	G51
B224A03455HP KCPK15	G51
B224A03500HP KCPK15	G51
B224A03600HP KCPK15	G51
B224A03658HP KCPK15	G51
B224A03700HP KCPK15	G51
B224A03734HP KCPK15	G51
B224A03800HP KCPK15	G51
B224A03900HP KCPK15	G51
B224A03970HP KCPK15	G51
B224A04000HP KCPK15	G51
B224A04039HP KCPK15	G51
B224A04090HP KCPK15	G51
B224A04100HP KCPK15	G51
B224A04200HP KCPK15	G51
B224A04217HP KCPK15	G51
B224A04366HP KCPK15	G51
B224A04496HP KCPK15	G51
B224A04623HP KCPK15	G51
B224A04700HP KCPK15	G51
B224A04763HP KCPK15	G51
B224A04852HP KCPK15	G51
B224A05000HP KCPK15	G52
B224A05050HP KCPK15	G52
B224A05100HP KCPK15	G52
B224A05106HP KCPK15	G52
B224A05159HP KCPK15	G52
B224A05410HP KCPK15	G52
B224A05500HP KCPK15	G52
B224A05558HP KCPK15	G52
B224A05600HP KCPK15	G52
B224A05616HP KCPK15	G52
B224A05791HP KCPK15	G52
B224A05944HP KCPK15	G52
B224A05954HP KCPK15	G52
B224A06000HP KCPK15	G52
B224A06350HP KCPK15	G52
B224A06500HP KCPK15	G52
B224A06528HP KCPK15	G52
B224A06630HP KCPK15	G52
B224A06700HP KCPK15	G52
B224A06746HP KCPK15	G52
B224A06800HP KCPK15	G52
B224A06909HP KCPK15	G52
B224A07000HP KCPK15	G52
B224A07145HP KCPK15	G52
B224A07366HP KCPK15	G52
B224A07400HP KCPK15	G52
B224A07500HP KCPK15	G52
B224A07541HP KCPK15	G52
B224A07938HP KCPK15	G52
B224A08000HP KCPK15	G52
B224A08200HP KCPK15	G52
B224A08334HP KCPK15	G53
B224A08433HP KCPK15	G53
B224A08500HP KCPK15	G53
B224A08700HP KCPK15	G53
B224A08733HP KCPK15	G53
B224A08800HP KCPK15	G53
B224A08839HP KCPK15	G53
B224A09000HP KCPK15	G53
B224A09093HP KCPK15	G53
B224A09129HP KCPK15	G53
B224A09400HP KCPK15	G53
B224A09500HP KCPK15	G53
B224A09525HP KCPK15	G53
B224A09921HP KCPK15	G53
B224A10000HP KCPK15	G53
B224A10200HP KCPK15	G53
B224A10300HP KCPK15	G53
B224A10320HP KCPK15	G53
B224A10400HP KCPK15	G53
B224A10500HP KCPK15	G53
B224A10716HP KCPK15	G53
B224A10800HP KCPK15	G53
B224A11000HP KCPK15	G53
B224A11113HP KCPK15	G53
B224A11500HP KCPK15	G53
B224A11509HP KCPK15	G53
B224A11908HP KCPK15	G53
B224A12000HP KCPK15	G53
B224A12300HP KCPK15	G54
B224A12304HP KCPK15	G54
B224A12500HP KCPK15	G54
B224A12700HP KCPK15	G54
B224A12800HP KCPK15	G54
B224A13000HP KCPK15	G54
B224A13096HP KCPK15	G54
B224A13100HP KCPK15	G54
B224A13495HP KCPK15	G54
B224A13500HP KCPK15	G54
B224A13891HP KCPK15	G54
B224A14000HP KCPK15	G54
B224A14200HP KCPK15	G54
B224A14288HP KCPK15	G54
B224A14500HP KCPK15	G54
B224A14684HP KCPK15	G54
B224A15083HP KCPK15	G54
B224A15500HP KCPK15	G54
B224A15600HP KCPK15	G54
B224A15875HP KCPK15	G54
B224A16000HP KCPK15	G54
B224A16500HP KCPK15	G54
B224A17000HP KCPK15	G55
B224A17463HP KCPK15	G55
B224A17500HP KCPK15	G55
B224A18000HP KCPK15	G55
B224A19000HP KCPK15	G55
B224A19050HP KCPK15	G55
B224A20000HP KCPK15	G55
B225A03000HP KCPK15	G51
B225A03048HP KCPK15	G51
B225A03100HP KCPK15	G51
B225A03175HP KCPK15	G51
B225A03200HP KCPK15	G51
B225A03264HP KCPK15	G51
B225A03300HP KCPK15	G51
B225A03400HP KCPK15	G51
B225A03455HP KCPK15	G51
B225A03500HP KCPK15	G51
B225A03571HP KCPK15	G51
B225A03600HP KCPK15	G51
B225A03700HP KCPK15	G51
B225A03797HP KCPK15	G51
B225A03800HP KCPK15	G51
B225A03900HP KCPK15	G51
B225A03970HP KCPK15	G51
B225A04000HP KCPK15	G51
B225A04100HP KCPK15	G51
B225A04200HP KCPK15	G51
B225A04300HP KCPK15	G51
B225A04366HP KCPK15	G51
B225A04400HP KCPK15	G51
B225A04496HP KCPK15	G51
B225A04500HP KCPK15	G51
B225A04600HP KCPK15	G51
B225A04700HP KCPK15	G51
B225A04763HP KCPK15	G51
B225A04800HP KCPK15	G51
B225A04900HP KCPK15	G52
B225A05000HP KCPK15	G52
B225A05100HP KCPK15	G52
B225A05106HP KCPK15	G52
B225A05159HP KCPK15	G52
B225A05200HP KCPK15	G52
B225A05300HP KCPK15	G52
B225A05400HP KCPK15	G52
B225A05410HP KCPK15	G52
B225A05500HP KCPK15	G52
B225A05558HP KCPK15	G52
B225A05600HP KCPK15	G52
B225A05700HP KCPK15	G52
B225A05791HP KCPK15	G52
B225A05800HP KCPK15	G52
B225A05900HP KCPK15	G52
B225A05944HP KCPK15	G52
B225A05954HP KCPK15	G52
B225A06000HP KCPK15	G52
B225A06100HP KCPK15	G52
B225A06200HP KCPK15	G52
B225A06300HP KCPK15	G52
B225A06350HP KCPK15	G52
B225A06400HP KCPK15	G52
B225A06500HP KCPK15	G52
B225A06528HP KCPK15	G52
B225A06600HP KCPK15	G52
B225A06700HP KCPK15	G52
B225A06746HP KCPK15	G52
B225A06800HP KCPK15	G52
B225A06900HP KCPK15	G52
B225A06909HP KCPK15	G52
B225A07000HP KCPK15	G52
B225A07100HP KCPK15	G52
B225A07145HP KCPK15	G52
B225A07200HP KCPK15	G52
B225A07300HP KCPK15	G52
B225A07366HP KCPK15	G52
B225A07400HP KCPK15	G52
B225A07500HP KCPK15	G52
B225A07541HP KCPK15	G52
B225A07600HP KCPK15	G52
B225A07700HP KCPK15	G52
B225A07800HP KCPK15	G52
B225A07900HP KCPK15	G52
B225A07938HP KCPK15	G52
B225A08000HP KCPK15	G52
B225A08100HP KCPK15	G52
B225A08200HP KCPK15	G52
B225A08300HP KCPK15	G53
B225A08334HP KCPK15	G53

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B225A08400HP KCPK15	G53
B225A08433HP KCPK15	G53
B225A08500HP KCPK15	G53
B225A08600HP KCPK15	G53
B225A08700HP KCPK15	G53
B225A08733HP KCPK15	G53
B225A08800HP KCPK15	G53
B225A08839HP KCPK15	G53
B225A08900HP KCPK15	G53
B225A09000HP KCPK15	G53
B225A09093HP KCPK15	G53
B225A09100HP KCPK15	G53
B225A09129HP KCPK15	G53
B225A09200HP KCPK15	G53
B225A09300HP KCPK15	G53
B225A09347HP KCPK15	G53
B225A09400HP KCPK15	G53
B225A09500HP KCPK15	G53
B225A09525HP KCPK15	G53
B225A09600HP KCPK15	G53
B225A09700HP KCPK15	G53
B225A09800HP KCPK15	G53
B225A09900HP KCPK15	G53
B225A09921HP KCPK15	G53
B225A10000HP KCPK15	G53
B225A10100HP KCPK15	G53
B225A10200HP KCPK15	G53
B225A10300HP KCPK15	G53
B225A10320HP KCPK15	G53
B225A10400HP KCPK15	G53
B225A10500HP KCPK15	G53
B225A10600HP KCPK15	G53
B225A10700HP KCPK15	G53
B225A10716HP KCPK15	G53
B225A10800HP KCPK15	G53
B225A10900HP KCPK15	G53
B225A11000HP KCPK15	G53
B225A11100HP KCPK15	G53
B225A11113HP KCPK15	G53
B225A11200HP KCPK15	G53
B225A11300HP KCPK15	G53
B225A11400HP KCPK15	G53
B225A11500HP KCPK15	G53
B225A11509HP KCPK15	G53
B225A11600HP KCPK15	G53
B225A11700HP KCPK15	G53
B225A11800HP KCPK15	G53
B225A11900HP KCPK15	G53
B225A11908HP KCPK15	G53
B225A12000HP KCPK15	G53
B225A12100HP KCPK15	G54
B225A12200HP KCPK15	G54
B225A12300HP KCPK15	G54
B225A12304HP KCPK15	G54
B225A12400HP KCPK15	G54
B225A12500HP KCPK15	G54
B225A12600HP KCPK15	G54
B225A12700HP KCPK15	G54
B225A12800HP KCPK15	G54
B225A12900HP KCPK15	G54
B225A13000HP KCPK15	G54
B225A13100HP KCPK15	G54
B225A13200HP KCPK15	G54
B225A13300HP KCPK15	G54
B225A13400HP KCPK15	G54
B225A13495HP KCPK15	G54
B225A13500HP KCPK15	G54
B225A13600HP KCPK15	G54
B225A13700HP KCPK15	G54
B225A13800HP KCPK15	G54
B225A13891HP KCPK15	G54
B225A13900HP KCPK15	G54
B225A14000HP KCPK15	G54
B225A14100HP KCPK15	G54
B225A14200HP KCPK15	G54
B225A14288HP KCPK15	G54
B225A14300HP KCPK15	G54
B225A14400HP KCPK15	G54
B225A14500HP KCPK15	G54
B225A14600HP KCPK15	G54
B225A14684HP KCPK15	G54
B225A14700HP KCPK15	G54
B225A14800HP KCPK15	G54
B225A14900HP KCPK15	G54
B225A15000HP KCPK15	G54
B225A15083HP KCPK15	G54
B225A15100HP KCPK15	G54
B225A15200HP KCPK15	G54
B225A15300HP KCPK15	G54
B225A15400HP KCPK15	G54
B225A15479HP KCPK15	G54
B225A15500HP KCPK15	G54
B225A15600HP KCPK15	G54
B225A15700HP KCPK15	G54
B225A15800HP KCPK15	G54
B225A15875HP KCPK15	G54
B225A15900HP KCPK15	G54
B225A16000HP KCPK15	G54
B225A16100HP KCPK15	G54
B225A16500HP KCPK15	G54
B225A16670HP KCPK15	G54
B225A17000HP KCPK15	G55
B225A17463HP KCPK15	G55
B225A17500HP KCPK15	G55
B225A17700HP KCPK15	G55
B225A18000HP KCPK15	G55
B225A18500HP KCPK15	G55
B225A19000HP KCPK15	G55
B225A19050HP KCPK15	G55
B225A19200HP KCPK15	G55
B225A19250HP KCPK15	G55
B225A19300HP KCPK15	G55
B225A19500HP KCPK15	G55
B225A20000HP KCPK15	G55
B225A20500HP KCPK15	G55
B225A21000HP KCPK15	G55
B254A03000YPC KCK10	G58
B254A03048YPC KCK10	G58
B254A03200YPC KCK10	G58
B254A03300YPC KCK10	G58
B254A03454YPC KCK10	G58
B254A03500YPC KCK10	G58
B254A03600YPC KCK10	G58
B254A03800YPC KCK10	G58
B254A03861YPC KCK10	G58
B254A04000YPC KCK10	G58
B254A04039YPC KCK10	G58
B254A04100YPC KCK10	G58
B254A04200YPC KCK10	G58
B254A04500YPC KCK10	G58
B254A04572YPC KCK10	G58
B254A04763YPC KCK10	G58
B254A04800YPC KCK10	G58
B254A05000YPC KCK10	G58
B254A05055YPC KCK10	G58
B254A05100YPC KCK10	G58
B254A05106YPC KCK10	G58
B254A05300YPC KCK10	G58
B254A05500YPC KCK10	G59
B254A05558YPC KCK10	G59
B254A05791YPC KCK10	G59
B254A05800YPC KCK10	G59
B254A06000YPC KCK10	G59
B254A06100YPC KCK10	G59
B254A06200YPC KCK10	G59
B254A06500YPC KCK10	G59
B254A06528YPC KCK10	G59
B254A06600YPC KCK10	G59
B254A06700YPC KCK10	G59
B254A06746YPC KCK10	G59
B254A06800YPC KCK10	G59
B254A06900YPC KCK10	G59
B254A07000YPC KCK10	G59
B254A07100YPC KCK10	G59
B254A07366YPC KCK10	G59
B254A07493YPC KCK10	G59
B254A07500YPC KCK10	G59
B254A07600YPC KCK10	G59
B254A07800YPC KCK10	G59
B254A07938YPC KCK10	G59
B254A08000YPC KCK10	G59
B254A08100YPC KCK10	G59
B254A08200YPC KCK10	G59
B254A08334YPC KCK10	G59
B254A08400YPC KCK10	G59
B254A08433YPC KCK10	G59
B254A08500YPC KCK10	G59
B254A08600YPC KCK10	G59
B254A08700YPC KCK10	G59
B254A08800YPC KCK10	G59
B254A08839YPC KCK10	G59
B254A09000YPC KCK10	G59
B254A09100YPC KCK10	G59
B254A09200YPC KCK10	G59
B254A09400YPC KCK10	G59
B254A09500YPC KCK10	G60
B254A09525YPC KCK10	G60
B254A09800YPC KCK10	G60
B254A09921YPC KCK10	G60
B254A10000YPC KCK10	G60
B254A10200YPC KCK10	G60
B254A10262YPC KCK10	G60
B254A10300YPC KCK10	G60
B254A10320YPC KCK10	G60
B254A10490YPC KCK10	G60
B254A10500YPC KCK10	G60
B254A10700YPC KCK10	G60
B254A10800YPC KCK10	G60
B254A11000YPC KCK10	G60
B254A11100YPC KCK10	G60
B254A11113YPC KCK10	G60
B254A11200YPC KCK10	G60
B254A11500YPC KCK10	G60
B254A11800YPC KCK10	G60
B254A11908YPC KCK10	G60
B254A12000YPC KCK10	G60
B254A12200YPC KCK10	G60
B254A12304YPC KCK10	G60
B254A12500YPC KCK10	G60
B254A12800YPC KCK10	G60
B254A13000YPC KCK10	G60
B254A13100YPC KCK10	G60
B254A13200YPC KCK10	G60
B254A13500YPC KCK10	G60
B254A13800YPC KCK10	G60
B254A13891YPC KCK10	G60
B254A14000YPC KCK10	G60
B254A14100YPC KCK10	G60
B254A14288YPC KCK10	G60
B254A14500YPC KCK10	G60
B254A14800YPC KCK10	G60
B254A15000YPC KCK10	G60
B254A15200YPC KCK10	G60
B254A15250YPC KCK10	G60
B254A15400YPC KCK10	G61
B254A15500YPC KCK10	G61
B254A15800YPC KCK10	G61
B254A16000YPC KCK10	G61
B254A16500YPC KCK10	G61
B254A16670YPC KCK10	G61
B254A16800YPC KCK10	G61
B254A17000YPC KCK10	G61
B254A17463YPC KCK10	G61
B254A17500YPC KCK10	G61
B254A17800YPC KCK10	G61
B254A17859YPC KCK10	G61
B254A18000YPC KCK10	G61
B254A18200YPC KCK10	G61
B254A18258YPC KCK10	G61
B254A18500YPC KCK10	G61
B254A18800YPC KCK10	G61
B254A19000YPC KCK10	G61
B254A19050YPC KCK10	G61
B254A19800YPC KCK10	G61
B254A20000YPC KCK10	G61
B254A20638YPC KCK10	G61
B254A21000YPC KCK10	G61
B254A22000YPC KCK10	G61
B254A22225YPC KCK10	G61
B254A23416YPC KCK10	G61
B254A25000YPC KCK10	G61
B255A03000YPC KCK10	G58
B255A03048YPC KCK10	G58
B255A03175YPC KCK10	G58
B255A03200YPC KCK10	G58
B255A03250YPC KCK10	G58
B255A03300YPC KCK10	G58
B255A03400YPC KCK10	G58
B255A03500YPC KCK10	G58
B255A03600YPC KCK10	G58
B255A03700YPC KCK10	G58
B255A03797YPC KCK10	G58
B255A03800YPC KCK10	G58
B255A03861YPC KCK10	G58
B255A03970YPC KCK10	G58
B255A04000YPC KCK10	G58
B255A04039YPC KCK10	G58
B255A04100YPC KCK10	G58
B255A04200YPC KCK10	G58
B255A04217YPC KCK10	G58
B255A04300YPC KCK10	G58
B255A04366YPC KCK10	G58
B255A04500YPC KCK10	G58
B255A04572YPC KCK10	G58
B255A04600YPC KCK10	G58
B255A04700YPC KCK10	G58
B255A04800YPC KCK10	G58
B255A04900YPC KCK10	G58
B255A05000YPC KCK10	G58
B255A05055YPC KCK10	G58
B255A05100YPC KCK10	G58
B255A05159YPC KCK10	G58
B255A05200YPC KCK10	G58
B255A05250YPC KCK10	G58
B255A05300YPC KCK10	G58
B255A05400YPC KCK10	G59
B255A05410YPC KCK10	G59
B255A05500YPC KCK10	G59
B255A05558YPC KCK10	G59
B255A05600YPC KCK10	G59
B255A05700YPC KCK10	G59
B255A05791YPC KCK10	G59
B255A05800YPC KCK10	G59
B255A06000YPC KCK10	G59
B255A06100YPC KCK10	G59
B255A06200YPC KCK10	G59
B255A06300YPC KCK10	G59
B255A06350YPC KCK10	G59
B255A06400YPC KCK10	G59
B255A06500YPC KCK10	G59
B255A06600YPC KCK10	G59
B255A06630YPC KCK10	G59
B255A06700YPC KCK10	G59
B255A06746YPC KCK10	G59
B255A06800YPC KCK10	G59
B255A06900YPC KCK10	G59
B255A06909YPC KCK10	G59
B255A07000YPC KCK10	G59
B255A07145YPC KCK10	G59
B255A07200YPC KCK10	G59
B255A07400YPC KCK10	G59
B255A07493YPC KCK10	G59
B255A07500YPC KCK10	G59
B255A07541YPC KCK10	G59
B255A07600YPC KCK10	G59
B255A07700YPC KCK10	G59
B255A07800YPC KCK10	G59
B255A07900YPC KCK10	G59
B255A07938YPC KCK10	G59
B255A08000YPC KCK10	G59
B255A08100YPC KCK10	G59
B255A08200YPC KCK10	G59
B255A08300YPC KCK10	G59
B255A08433YPC KCK10	G59
B255A08500YPC KCK10	G59
B255A08600YPC KCK10	G59
B255A08700YPC KCK10	G59
B255A08800YPC KCK10	G59
B255A08839YPC KCK10	G59
B255A08900YPC KCK10	G59
B255A09000YPC KCK10	G59
B255A09093YPC KCK10	G59
B255A09100YPC KCK10	G59
B255A09129YPC KCK10	G59
B255A09200YPC KCK10	G59
B255A09300YPC KCK10	G59
B255A09400YPC KCK10	G59
B255A09500YPC KCK10	G60

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B255A09525YPC KCK10	G60
B255A09600YPC KCK10	G60
B255A09700YPC KCK10	G60
B255A09800YPC KCK10	G60
B255A09921YPC KCK10	G60
B255A10000YPC KCK10	G60
B255A10200YPC KCK10	G60
B255A10262YPC KCK10	G60
B255A10300YPC KCK10	G60
B255A10320YPC KCK10	G60
B255A10400YPC KCK10	G60
B255A10500YPC KCK10	G60
B255A10600YPC KCK10	G60
B255A10716YPC KCK10	G60
B255A10800YPC KCK10	G60
B255A10900YPC KCK10	G60
B255A11000YPC KCK10	G60
B255A11100YPC KCK10	G60
B255A11113YPC KCK10	G60
B255A11200YPC KCK10	G60
B255A11500YPC KCK10	G60
B255A11700YPC KCK10	G60
B255A11800YPC KCK10	G60
B255A11900YPC KCK10	G60
B255A11908YPC KCK10	G60
B255A12000YPC KCK10	G60
B255A12100YPC KCK10	G60
B255A12200YPC KCK10	G60
B255A12251YPC KCK10	G60
B255A12300YPC KCK10	G60
B255A12304YPC KCK10	G60
B255A12500YPC KCK10	G60
B255A12700YPC KCK10	G60
B255A13000YPC KCK10	G60
B255A13096YPC KCK10	G60
B255A13495YPC KCK10	G60
B255A13500YPC KCK10	G60
B255A14000YPC KCK10	G60
B255A14100YPC KCK10	G60
B255A14288YPC KCK10	G60
B255A14500YPC KCK10	G60
B255A14600YPC KCK10	G60
B255A14684YPC KCK10	G60
B255A15000YPC KCK10	G60
B255A15083YPC KCK10	G60
B255A15250YPC KCK10	G60
B255A15400YPC KCK10	G61
B255A15500YPC KCK10	G61
B255A15800YPC KCK10	G61
B255A15875YPC KCK10	G61
B255A16000YPC KCK10	G61
B255A16300YPC KCK10	G61
B255A16500YPC KCK10	G61
B255A16670YPC KCK10	G61
B255A16800YPC KCK10	G61
B255A17000YPC KCK10	G61
B255A17200YPC KCK10	G61
B255A17463YPC KCK10	G61
B255A17500YPC KCK10	G61
B255A17800YPC KCK10	G61
B255A17859YPC KCK10	G61
B255A18000YPC KCK10	G61
B255A18258YPC KCK10	G61
B255A18500YPC KCK10	G61
B255A18800YPC KCK10	G61
B255A19000YPC KCK10	G61
B255A19500YPC KCK10	G61
B255A19700YPC KCK10	G61
B255A19800YPC KCK10	G61
B255A20000YPC KCK10	G61
B255A20500YPC KCK10	G61
B255A20638YPC KCK10	G61
B255A21000YPC KCK10	G61
B255A22000YPC KCK10	G61
B255A22225YPC KCK10	G61
B255A23416YPC KCK10	G61
B255A24000YPC KCK10	G61
B255A25000YPC KCK10	G61
B256A03000YPC KCK10	G58
B256A03175YPC KCK10	G58
B256A03264YPC KCK10	G58
B256A03500YPC KCK10	G58
B256A03700YPC KCK10	G58
B256A03800YPC KCK10	G58
B256A04000YPC KCK10	G58
B256A04100YPC KCK10	G58
B256A04200YPC KCK10	G58
B256A04300YPC KCK10	G58
B256A04366YPC KCK10	G58
B256A04500YPC KCK10	G58
B256A04623YPC KCK10	G58
B256A04700YPC KCK10	G58
B256A04800YPC KCK10	G58
B256A04852YPC KCK10	G58
B256A05000 KC7315	G63
B256A05000YPC KCK10	G58
B256A05100 KC7315	G63
B256A05100YPC KCK10	G58
B256A05200YPC KCK10	G58
B256A05500 KC7315	G63
B256A05500YPC KCK10	G59
B256A05600YPC KCK10	G59
B256A05800 KC7315	G63
B256A05800YPC KCK10	G59
B256A05900YPC KCK10	G59
B256A06000 KC7315	G63
B256A06000YPC KCK10	G59
B256A06200YPC KCK10	G59
B256A06350YPC KCK10	G59
B256A06400YPC KCK10	G59
B256A06500 KC7315	G63
B256A06500YPC KCK10	G59
B256A06600YPC KCK10	G59
B256A06700YPC KCK10	G59
B256A06800 KC7315	G63
B256A06800YPC KCK10	G59
B256A07000 KC7315	G63
B256A07000YPC KCK10	G59
B256A07300YPC KCK10	G59
B256A07500YPC KCK10	G59
B256A07600YPC KCK10	G59
B256A07800 KC7315	G63
B256A07800YPC KCK10	G59
B256A08000 KC7315	G63
B256A08000YPC KCK10	G59
B256A08200YPC KCK10	G59
B256A08300YPC KCK10	G59
B256A08400 KC7315	G63
B256A08500 KC7315	G63
B256A08500YPC KCK10	G59
B256A08600YPC KCK10	G59
B256A08700YPC KCK10	G59
B256A08800 KC7315	G63
B256A08800YPC KCK10	G59
B256A09000 KC7315	G63
B256A09000YPC KCK10	G59
B256A09100YPC KCK10	G59
B256A09300YPC KCK10	G59
B256A09347YPC KCK10	G59
B256A09500 KC7315	G63
B256A09500YPC KCK10	G60
B256A09600YPC KCK10	G60
B256A09700YPC KCK10	G60
B256A09800YPC KCK10	G60
B256A10000 KC7315	G63
B256A10000YPC KCK10	G60
B256A10200 KC7315	G63
B256A10200YPC KCK10	G60
B256A10300YPC KCK10	G60
B256A10400YPC KCK10	G60
B256A10500 KC7315	G63
B256A10500YPC KCK10	G60
B256A10700YPC KCK10	G60
B256A10800YPC KCK10	G60
B256A11000 KC7315	G63
B256A11000YPC KCK10	G60
B256A11200YPC KCK10	G60
B256A11300YPC KCK10	G60
B256A11500YPC KCK10	G60
B256A11600YPC KCK10	G60
B256A11800 KC7315	G63
B256A11800YPC KCK10	G60
B256A11900YPC KCK10	G60
B256A12000 KC7315	G63
B256A12000YPC KCK10	G60
B256A12200YPC KCK10	G60
B256A12300YPC KCK10	G60
B256A12400YPC KCK10	G60
B256A12500 KC7315	G63
B256A12500YPC KCK10	G60
B256A12700YPC KCK10	G60
B256A12800YPC KCK10	G60
B256A13000 KC7315	G63
B256A13000YPC KCK10	G60
B256A13096YPC KCK10	G60
B256A13200YPC KCK10	G60
B256A13495YPC KCK10	G60
B256A13500 KC7315	G63
B256A13500YPC KCK10	G60
B256A13700YPC KCK10	G60
B256A13800YPC KCK10	G60
B256A13891YPC KCK10	G60
B256A14000 KC7315	G63
B256A14000YPC KCK10	G60
B256A14500YPC KCK10	G60
B256A14684YPC KCK10	G60
B256A14800YPC KCK10	G60
B256A15000 KC7315	G63
B256A15000YPC KCK10	G60
B256A15083YPC KCK10	G60
B256A15200YPC KCK10	G60
B256A15300YPC KCK10	G61
B256A15500YPC KCK10	G61
B256A15800YPC KCK10	G61
B256A16000 KC7315	G63
B256A16000YPC KCK10	G61
B256A16300YPC KCK10	G61
B256A16500YPC KCK10	G61
B256A16800YPC KCK10	G61
B256A17000YPC KCK10	G61
B256A17500YPC KCK10	G61
B256A17800YPC KCK10	G61
B256A18000YPC KCK10	G61
B256A18258YPC KCK10	G61
B256A18500YPC KCK10	G61
B256A18800YPC KCK10	G61
B256A19000YPC KCK10	G61
B256A19500YPC KCK10	G61
B256A19800YPC KCK10	G61
B256A20000YPC KCK10	G61
B256A20638YPC KCK10	G61
B256A22000YPC KCK10	G61
B256A22225YPC KCK10	G61
B256A25004YPC KCK10	G61
B269A02400KMG KCPK15	G68
B269A02500KMG KCPK15	G68
B269A02600KMG KCPK15	G68
B269A02800KMG KCPK15	G68
B269A02900KMG KCPK15	G68
B269A03000HP KCPK15	G68
B269A03175HP KCPK15	G68
B269A03264HP KCPK15	G68
B269A03300HP KCPK15	G68
B269A03400HP KCPK15	G68
B269A03500HP KCPK15	G68
B269A03600HP KCPK15	G68
B269A03700HP KCPK15	G68
B269A03800HP KCPK15	G68
B269A03970HP KCPK15	G68
B269A04000HP KCPK15	G68
B269A04100HP KCPK15	G68
B269A04200HP KCPK15	G68
B269A04300HP KCPK15	G68
B269A04500HP KCPK15	G68
B269A04550HP KCPK15	G68
B269A04600HP KCPK15	G68
B269A04700HP KCPK15	G68
B269A04763HP KCPK15	G68
B269A04800HP KCPK15	G68
B269A05000HP KCPK15	G68
B269A05100HP KCPK15	G68
B269A05200HP KCPK15	G68
B269A05300HP KCPK15	G68
B269A05410HP KCPK15	G68
B269A05500HP KCPK15	G68
B269A05558HP KCPK15	G68
B269A05600HP KCPK15	G69
B269A05700HP KCPK15	G69
B269A05800HP KCPK15	G69
B269A06000HP KCPK15	G69
B269A06100HP KCPK15	G69
B269A06200HP KCPK15	G69
B269A06350HP KCPK15	G69
B269A06400HP KCPK15	G69
B269A06500HP KCPK15	G69
B269A06528HP KCPK15	G69
B269A06600HP KCPK15	G69
B269A06746HP KCPK15	G69
B269A06800HP KCPK15	G69
B269A06909HP KCPK15	G69
B269A07000HP KCPK15	G69
B269A07145HP KCPK15	G69
B269A07500HP KCPK15	G69
B269A07541HP KCPK15	G69
B269A07700HP KCPK15	G69
B269A07800HP KCPK15	G69
B269A07938HP KCPK15	G69
B269A08000HP KCPK15	G69
B269A08100HP KCPK15	G69
B269A08200HP KCPK15	G69
B269A08334HP KCPK15	G69
B269A08433HP KCPK15	G69
B269A08500HP KCPK15	G69
B269A08600HP KCPK15	G69
B269A08700HP KCPK15	G69
B269A08733HP KCPK15	G69
B269A09000HP KCPK15	G69
B269A09100HP KCPK15	G69
B269A09129HP KCPK15	G69
B269A09500HP KCPK15	G69
B269A09525HP KCPK15	G69
B269A09800HP KCPK15	G69
B269A09921HP KCPK15	G69
B269A10000HP KCPK15	G69
B269A10200HP KCPK15	G69
B269A10300HP KCPK15	G69
B269A10320HP KCPK15	G69
B269A10400HP KCPK15	G69
B269A10500HP KCPK15	G69
B269A10716HP KCPK15	G69
B269A10800HP KCPK15	G69
B269A11000HP KCPK15	G69
B269A11113HP KCPK15	G69
B269A11200HP KCPK15	G69
B269A11500HP KCPK15	G70
B269A11800HP KCPK15	G70
B269A12000HP KCPK15	G70
B269A12100HP KCPK15	G70
B269A12200HP KCPK15	G70
B269A12304HP KCPK15	G70
B269A12500HP KCPK15	G70
B269A12700HP KCPK15	G70
B269A13000HP KCPK15	G70
B269A13100HP KCPK15	G70
B269A13500HP KCPK15	G70
B269A13800HP KCPK15	G70
B269A14000HP KCPK15	G70
B269A14100HP KCPK15	G70
B269A14288HP KCPK15	G70
B269A14500HP KCPK15	G70
B269A14600HP KCPK15	G70
B269A14684HP KCPK15	G70
B269A15000HP KCPK15	G70
B269A15200HP KCPK15	G70
B269A15500HP KCPK15	G70
B269A15875HP KCPK15	G70
B269A16000HP KCPK15	G70
B269A16500HP KCPK15	G70
B269A17000HP KCPK15	G70
B269A17100HP KCPK15	G70
B269A17463HP KCPK15	G70
B269A17500HP KCPK15	G70
B269A17600HP KCPK15	G70
B269A18000HP KCPK15	G70
B269A18500HP KCPK15	G70
B269A18600HP KCPK15	G70
B269A19000HP KCPK15	G70
B269A19050HP KCPK15	G70

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B269A19500HP KCPK15	G70
B269A20000HP KCPK15	G70
B271Z02383KMG KCPK20	G74
B271Z02383KMS KN25	G74
B271Z02400KMS KN25	G74
B271Z02439KMS KN25	G74
B271Z02489KMS KN25	G74
B271Z02500KMG KCPK20	G74
B271Z02500KMS KN25	G74
B271Z02500SGL KCMS20	G74
B271Z02578KMS KN25	G74
B271Z02600KMS KN25	G74
B271Z02642KMG KCPK20	G74
B271Z02705KMG KCPK20	G74
B271Z02779KMG KCPK20	G74
B271Z02779KMS KN25	G74
B271Z02800KMS KN25	G74
B271Z02820KMG KCPK20	G74
B271Z02820KMS KN25	G74
B271Z02870KMS KN25	G74
B271Z02900KMS KN25	G74
B271Z02947KMS KN25	G74
B271Z03000HPG KCPK20	G74
B271Z03000HPS KN25	G74
B271Z03000SGL KCMS20	G74
B271Z03175HPG KCPK20	G74
B271Z03175HPS KN25	G74
B271Z03175SGL KCMS20	G74
B271Z03200HPG KCPK20	G74
B271Z03200HPS KN25	G74
B271Z03500HPG KCPK20	G74
B271Z03500HPS KN25	G74
B271Z03500SGL KCMS20	G74
B271Z03600HPG KCPK20	G74
B271Z03700HPG KCPK20	G74
B271Z03970HPG KCPK20	G74
B271Z03970HPS KN25	G74
B271Z03970SGL KCMS20	G74
B271Z04000HPG KCPK20	G74
B271Z04000HPS KN25	G74
B271Z04000SGL KCMS20	G74
B271Z04500HPG KCPK20	G74
B271Z04500HPS KN25	G74
B271Z04500SGL KCMS20	G74
B271Z04623HPG KCPK20	G74
B271Z04763HPG KCPK20	G74
B271Z04763HPS KN25	G74
B271Z04763SGL KCMS20	G74
B271Z04800HPG KCPK20	G74
B271Z04800SGL KCMS20	G74
B271Z05000HPG KCPK20	G74
B271Z05000HPS KN25	G74
B271Z05000SGL KCMS20	G74
B271Z05060HPG KCPK20	G74
B271Z05260HPG KCPK20	G74
B271Z05410HPG KCPK20	G74
B271Z05500HPG KCPK20	G74
B271Z05500HPS KN25	G74
B271Z05500SGL KCMS20	G74
B271Z05558HPG KCPK20	G74
B271Z05558SGL KCMS20	G74
B271Z05800HPG KCPK20	G74
B271Z05900HPG KCPK20	G74
B271Z06000HPG KCPK20	G74
B271Z06000HPS KN25	G74
B271Z06000SGL KCMS20	G74
B271Z06200HPG KCPK20	G74
B271Z06200HPS KN25	G74
B271Z06350HPG KCPK20	G74
B271Z06350HPS KN25	G74
B271Z06350SGL KCMS20	G74
B271Z06500HPG KCPK20	G75
B271Z06500HPS KN25	G75
B271Z06500SGL KCMS20	G75
B271Z06528HPG KCPK20	G75
B271Z06746HPG KCPK20	G75
B271Z06746HPS KN25	G75
B271Z06746SGL KCMS20	G75
B271Z06909HPG KCPK20	G75
B271Z07000HPG KCPK20	G75
B271Z07000HPS KN25	G75
B271Z07000SGL KCMS20	G75
B271Z07145HPG KCPK20	G75
B271Z07145HPS KN25	G75
B271Z07145SGL KCMS20	G75
B271Z07500HPG KCPK20	G75
B271Z07500HPS KN25	G75
B271Z07500SGL KCMS20	G75
B271Z07541HPG KCPK20	G75
B271Z07938HPG KCPK20	G75
B271Z07938SGL KCMS20	G75
B271Z08000HPG KCPK20	G75
B271Z08000HPS KN25	G75
B271Z08000SGL KCMS20	G75
B271Z08200HPG KCPK20	G75
B271Z08334HPG KCPK20	G75
B271Z08500HPG KCPK20	G75
B271Z08500HPS KN25	G75
B271Z08500SGL KCMS20	G75
B271Z08733HPG KCPK20	G75
B271Z08733HPS KN25	G75
B271Z08733SGL KCMS20	G75
B271Z09000HPG KCPK20	G75
B271Z09000HPS KN25	G75
B271Z09000SGL KCMS20	G75
B271Z09100HPG KCPK20	G75
B271Z09200HPG KCPK20	G75
B271Z09500HPG KCPK20	G75
B271Z09500HPS KN25	G75
B271Z09525HPG KCPK20	G75
B271Z09525HPS KN25	G75
B271Z09525SGL KCMS20	G75
B271Z09750HPG KCPK20	G75
B271Z10000HPG KCPK20	G75
B271Z10000HPS KN25	G75
B271Z10000SGL KCMS20	G75
B271Z10200HPG KCPK20	G75
B271Z10200HPS KN25	G75
B271Z10320SGL KCMS20	G75
B271Z10500HPG KCPK20	G75
B271Z10500HPS KN25	G75
B271Z10500SGL KCMS20	G75
B271Z10716HPG KCPK20	G75
B271Z10720HPS KN25	G75
B271Z10800HPG KCPK20	G75
B271Z11000HPG KCPK20	G75
B271Z11000HPS KN25	G75
B271Z11000SGL KCMS20	G75
B271Z11113SGL KCMS20	G75
B271Z11500HPG KCPK20	G75
B271Z11500HPS KN25	G75
B271Z11500SGL KCMS20	G75
B271Z12000HPG KCPK20	G75
B271Z12000HPS KN25	G75
B271Z12000SGL KCMS20	G75
B271Z12500HPG KCPK20	G75
B271Z12500HPS KN25	G75
B271Z12700HPG KCPK20	G75
B271Z12700HPS KN25	G75
B271Z12700SGL KCMS20	G75
B271Z13000HPG KCPK20	G75
B271Z13000HPS KN25	G75
B271Z13500HPG KCPK20	G75
B271Z13500HPS KN25	G75
B271Z14000HPG KCPK20	G75
B271Z14000HPS KN25	G75
B271Z14000SGL KCMS20	G75
B271Z14288HPG KCPK20	G75
B271Z14290HPS KN25	G75
B271Z14500HPG KCPK20	G75
B271Z14500SGL KCMS20	G75
B271Z15000HPG KCPK20	G75
B271Z15000SGL KCMS20	G75
B271Z15300HPG KCPK20	G75
B271Z15500HPS KN25	G75
B271Z15870HPS KN25	G75
B271Z15875HPG KCPK20	G75
B271Z16000HPG KCPK20	G75
B271Z16000HPS KN25	G75
B271Z16000SGL KCMS20	G75
B272Z02383KMG KCPK20	G76
B272Z02383KMS KN25	G76
B272Z02400KMG KCPK20	G76
B272Z02400KMS KN25	G76
B272Z02439KMS KN25	G76
B272Z02489KMG KCPK20	G76
B272Z02489KMS KN25	G76
B272Z02500KMG KCPK20	G76
B272Z02500KMS KN25	G76
B272Z02500SGL KCMS20	G76
B272Z02779KMG KCPK20	G76
B272Z02800KMS KN25	G76
B272Z02947KMS KN25	G76
B272Z03000HPG KCPK20	G76
B272Z03000HPS KN25	G76
B272Z03000SGL KCMS20	G76
B272Z03175HPG KCPK20	G76
B272Z03175HPS KN25	G76
B272Z03175SGL KCMS20	G76
B272Z03300HPG KCPK20	G76
B272Z03300HPS KN25	G76
B272Z03500HPG KCPK20	G76
B272Z03500HPS KN25	G76
B272Z03500SGL KCMS20	G76
B272Z03850HPG KCPK20	G76
B272Z03970HPG KCPK20	G76
B272Z03970HPS KN25	G76
B272Z03970SGL KCMS20	G76
B272Z04000HPG KCPK20	G76
B272Z04000HPS KN25	G76
B272Z04000SGL KCMS20	G76
B272Z04500HPG KCPK20	G76
B272Z04500HPS KN25	G76
B272Z04500SGL KCMS20	G76
B272Z04623HPG KCPK20	G76
B272Z04763HPG KCPK20	G76
B272Z04763HPS KN25	G76
B272Z04763SGL KCMS20	G76
B272Z04800SGL KCMS20	G76
B272Z05000HPG KCPK20	G76
B272Z05000HPS KN25	G76
B272Z05000SGL KCMS20	G76
B272Z05200HPG KCPK20	G76
B272Z05260HPG KCPK20	G76
B272Z05410HPG KCPK20	G76
B272Z05500HPG KCPK20	G76
B272Z05500HPS KN25	G76
B272Z05500SGL KCMS20	G76
B272Z05558HPG KCPK20	G76
B272Z05558SGL KCMS20	G76
B272Z05800HPG KCPK20	G76
B272Z05800SGL KCMS20	G76
B272Z06000HPG KCPK20	G76
B272Z06000HPS KN25	G76
B272Z06000SGL KCMS20	G76
B272Z06200HPG KCPK20	G76
B272Z06200HPS KN25	G76
B272Z06350HPG KCPK20	G76
B272Z06350HPS KN25	G76
B272Z06350SGL KCMS20	G76
B272Z06400HPS KN25	G76
B272Z06500HPG KCPK20	G76
B272Z06500HPS KN25	G76
B272Z06500SGL KCMS20	G76
B272Z06528HPG KCPK20	G76
B272Z06746HPG KCPK20	G76
B272Z06746HPS KN25	G76
B272Z06746SGL KCMS20	G76
B272Z06800HPG KCPK20	G76
B272Z06909HPG KCPK20	G76
B272Z07000HPG KCPK20	G77
B272Z07000HPS KN25	G77
B272Z07000SGL KCMS20	G77
B272Z07145HPG KCPK20	G77
B272Z07145HPS KN25	G77
B272Z07145SGL KCMS20	G77
B272Z07200HPG KCPK20	G77
B272Z07500HPG KCPK20	G77
B272Z07500HPS KN25	G77
B272Z07500SGL KCMS20	G77
B272Z07541HPG KCPK20	G77
B272Z07938HPG KCPK20	G77
B272Z07938SGL KCMS20	G77
B272Z08000HPG KCPK20	G77
B272Z08000HPS KN25	G77
B272Z08000SGL KCMS20	G77
B272Z08334HPG KCPK20	G77
B272Z08433HPG KCPK20	G77
B272Z08500HPG KCPK20	G77
B272Z08500HPS KN25	G77
B272Z08500SGL KCMS20	G77
B272Z08733HPG KCPK20	G77
B272Z08733HPS KN25	G77
B272Z08733SGL KCMS20	G77
B272Z09000HPG KCPK20	G77
B272Z09000HPS KN25	G77
B272Z09000SGL KCMS20	G77
B272Z09100HPG KCPK20	G77
B272Z09500HPG KCPK20	G77
B272Z09525HPG KCPK20	G77
B272Z09525HPS KN25	G77
B272Z09525SGL KCMS20	G77
B272Z09750HPG KCPK20	G77
B272Z09750HPS KN25	G77
B272Z10000HPG KCPK20	G77
B272Z10000HPS KN25	G77
B272Z10000SGL KCMS20	G77
B272Z10200HPG KCPK20	G77
B272Z10200HPS KN25	G77
B272Z10320SGL KCMS20	G77
B272Z10500HPG KCPK20	G77
B272Z10500HPS KN25	G77
B272Z10500SGL KCMS20	G77
B272Z10716HPG KCPK20	G77
B272Z10716SGL KCMS20	G77
B272Z10720HPS KN25	G77
B272Z11000HPG KCPK20	G77
B272Z11000HPS KN25	G77
B272Z11000SGL KCMS20	G77
B272Z11113SGL KCMS20	G77
B272Z11500HPG KCPK20	G77
B272Z11500HPS KN25	G77
B272Z11500SGL KCMS20	G77
B272Z11800HPG KCPK20	G77
B272Z12000HPG KCPK20	G77
B272Z12000HPS KN25	G77
B272Z12000SGL KCMS20	G77
B272Z12500HPG KCPK20	G77
B272Z12500HPS KN25	G77
B272Z12500SGL KCMS20	G77
B272Z12700HPG KCPK20	G77
B272Z12700HPS KN25	G77
B272Z12700SGL KCMS20	G77
B272Z13000HPG KCPK20	G77
B272Z13000HPS KN25	G77
B272Z13000SGL KCMS20	G77
B272Z13100HPG KCPK20	G77
B272Z13500HPG KCPK20	G77
B272Z13500HPS KN25	G77
B272Z14000HPG KCPK20	G77
B272Z14000HPS KN25	G77
B272Z14000SGL KCMS20	G77
B272Z14500HPG KCPK20	G77
B272Z14500HPS KN25	G77
B272Z14500SGL KCMS20	G77
B272Z15000HPG KCPK20	G77
B272Z15000HPS KN25	G77
B272Z15000SGL KCMS20	G77
B272Z15500HPG KCPK20	G77
B272Z15500HPS KN25	G77
B272Z15500SGL KCMS20	G77
B272Z15870HPS KN25	G77
B272Z15875HPG KCPK20	G77
B272Z16000HPG KCPK20	G77
B272Z16000HPS KN25	G77
B272Z16000SGL KCMS20	G77
B273Z02383KMG KCPK20	G78
B273Z02383KMS KN25	G78
B273Z02439KMS KN25	G78
B273Z02500KMG KCPK20	G78
B273Z02500SGL KCMS20	G78
B273Z02600KMG KCPK20	G78
B273Z02779KMS KN25	G78
B273Z02800KMS KN25	G78
B273Z02820KMS KN25	G78
B273Z02870KMS KN25	G78
B273Z02947KMS KN25	G78
B273Z03000HPG KCPK20	G78

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B273Z03000HPS KN25	G78
B273Z03000SGL KCMS20	G78
B273Z03175HPG KCPK20	G78
B273Z03175HPS KN25	G78
B273Z03175SGL KCMS20	G78
B273Z03500HPG KCPK20	G78
B273Z03500HPS KN25	G78
B273Z03500SGL KCMS20	G78
B273Z04000HPG KCPK20	G78
B273Z04000HPS KN25	G78
B273Z04000SGL KCMS20	G78
B273Z04500HPG KCPK20	G78
B273Z04500HPS KN25	G78
B273Z04500SGL KCMS20	G78
B273Z05000HPG KCPK20	G78
B273Z05000HPS KN25	G78
B273Z05000SGL KCMS20	G78
B273Z05100HPG KCPK20	G78
B273Z05500HPG KCPK20	G78
B273Z05500HPS KN25	G78
B273Z05500SGL KCMS20	G78
B273Z05800HPG KCPK20	G78
B273Z06000HPG KCPK20	G78
B273Z06000HPS KN25	G78
B273Z06000SGL KCMS20	G78
B273Z06350HPG KCPK20	G78
B273Z06350HPS KN25	G78
B273Z06500HPG KCPK20	G78
B273Z06500HPS KN25	G78
B273Z06500SGL KCMS20	G78
B273Z06746HPG KCPK20	G78
B273Z06746HPS KN25	G78
B273Z07000HPG KCPK20	G78
B273Z07000HPS KN25	G78
B273Z07000SGL KCMS20	G78
B273Z07500HPG KCPK20	G78
B273Z08000HPG KCPK20	G78
B273Z08000HPS KN25	G78
B273Z08000SGL KCMS20	G78
B273Z08500HPG KCPK20	G78
B273Z08500HPS KN25	G78
B273Z08500SGL KCMS20	G78
B273Z08733HPG KCPK20	G78
B273Z08733HPS KN25	G78
B273Z09000HPG KCPK20	G78
B273Z09000SGL KCMS20	G78
B273Z09525HPS KN25	G78
B273Z10000HPG KCPK20	G78
B273Z10000HPS KN25	G78
B273Z10000SGL KCMS20	G78
B273Z10200HPG KCPK20	G78
B273Z10500HPG KCPK20	G78
B273Z10500HPS KN25	G78
B273Z11000HPG KCPK20	G78
B273Z11000HPS KN25	G78
B273Z11000SGL KCMS20	G78
B273Z11500HPG KCPK20	G78
B273Z11500HPS KN25	G78
B273Z12000HPG KCPK20	G78
B273Z12000HPS KN25	G78
B273Z12000SGL KCMS20	G78
B273Z12500HPG KCPK20	G78
B273Z12500HPS KN25	G78
B273Z12700HPG KCPK20	G78
B273Z13000HPG KCPK20	G78
B273Z13000HPS KN25	G78
B273Z13000SGL KCMS20	G78
B273Z13100HPS KN25	G78
B273Z13500HPG KCPK20	G78
B273Z13500SGL KCMS20	G78
B273Z14000HPG KCPK20	G78
B273Z14000HPS KN25	G78
B273Z14000SGL KCMS20	G78
B273Z14288HPG KCPK20	G78
B273Z14290HPS KN25	G78
B273Z14500HPG KCPK20	G78
B273Z14500HPS KN25	G78
B273Z15000HPG KCPK20	G78
B273Z15000SGL KCMS20	G78
B273Z16000HPG KCPK15	G78
B273Z16000HPS KN25	G78
B273Z16000SGL KCMS20	G78
B274Z02383KMG KCPK20	G79
B274Z02383KMS KN25	G79
B274Z02400KMS KN25	G79
B274Z02439KMS KN25	G79
B274Z02500KMG KCPK20	G79
B274Z02500KMS KN25	G79
B274Z02500SGL KCMS20	G79
B274Z02600KMG KCPK20	G79
B274Z02600KMS KN25	G79
B274Z02642KMS KN25	G79
B274Z02779KMS KN25	G79
B274Z02800KMG KCPK20	G79
B274Z02800KMS KN25	G79
B274Z02870KMS KN25	G79
B274Z02900KMS KN25	G79
B274Z02947KMS KN25	G79
B274Z03000HPG KCPK20	G79
B274Z03000HPS KN25	G79
B274Z03000SGL KCMS20	G79
B274Z03175HPG KCPK20	G79
B274Z03175HPS KN25	G79
B274Z03175SGL KCMS20	G79
B274Z03500HPG KCPK20	G79
B274Z03500HPS KN25	G79
B274Z03500SGL KCMS20	G79
B274Z03970HPG KCPK20	G79
B274Z03970SGL KCMS20	G79
B274Z04000HPG KCPK20	G79
B274Z04000HPS KN25	G79
B274Z04000SGL KCMS20	G79
B274Z04300HPG KCPK20	G79
B274Z04500HPG KCPK20	G79
B274Z04500HPS KN25	G79
B274Z04500SGL KCMS20	G79
B274Z04763HPG KCPK20	G79
B274Z04763SGL KCMS20	G79
B274Z05000HPG KCPK20	G79
B274Z05000HPS KN25	G79
B274Z05000SGL KCMS20	G79
B274Z05100HPG KCPK20	G79
B274Z05100SGL KCMS20	G79
B274Z05500HPG KCPK20	G79
B274Z05500HPS KN25	G79
B274Z05500SGL KCMS20	G79
B274Z05558SGL KCMS20	G79
B274Z05700HPG KCPK20	G79
B274Z06000HPG KCPK20	G79
B274Z06000HPS KN25	G79
B274Z06000SGL KCMS20	G79
B274Z06350HPG KCPK20	G79
B274Z06350HPS KN25	G79
B274Z06350SGL KCMS20	G79
B274Z06500HPG KCPK20	G79
B274Z06500HPS KN25	G79
B274Z06500SGL KCMS20	G79
B274Z06746HPS KN25	G79
B274Z06746SGL KCMS20	G79
B274Z06800HPG KCPK20	G79
B274Z07000HPG KCPK20	G79
B274Z07000HPS KN25	G79
B274Z07000SGL KCMS20	G79
B274Z07145SGL KCMS20	G79
B274Z07500SGL KCMS20	G79
B274Z07700HPG KCPK20	G80
B274Z07938HPG KCPK20	G80
B274Z07938SGL KCMS20	G80
B274Z08000HPG KCPK20	G80
B274Z08000HPS KN25	G80
B274Z08000SGL KCMS20	G80
B274Z08334HPG KCPK20	G80
B274Z08500HPG KCPK20	G80
B274Z08500HPS KN25	G80
B274Z08500SGL KCMS20	G80
B274Z08700HPG KCPK20	G80
B274Z08733HPS KN25	G80
B274Z08733SGL KCMS20	G80
B274Z09000HPG KCPK20	G80
B274Z09000HPS KN25	G80
B274Z09000SGL KCMS20	G80
B274Z09129SGL KCMS20	G80
B274Z09525HPG KCPK20	G80
B274Z09525HPS KN25	G80
B274Z09525SGL KCMS20	G80
B274Z10000HPG KCPK20	G80
B274Z10000HPS KN25	G80
B274Z10000SGL KCMS20	G80
B274Z10200HPG KCPK20	G80
B274Z10200HPS KN25	G80
B274Z10500HPG KCPK20	G80
B274Z10500SGL KCMS20	G80
B274Z10716HPG KCPK20	G80
B274Z11000HPG KCPK20	G80
B274Z11000HPS KN25	G80
B274Z11000SGL KCMS20	G80
B274Z11500HPG KCPK20	G80
B274Z11500HPS KN25	G80
B274Z11500SGL KCMS20	G80
B274Z11800HPG KCPK20	G80
B274Z12000HPG KCPK20	G80
B274Z12000HPS KN25	G80
B274Z12000SGL KCMS20	G80
B274Z12500HPG KCPK20	G80
B274Z12500HPS KN25	G80
B274Z12700HPG KCPK20	G80
B274Z12700SGL KCMS20	G80
B274Z13000HPG KCPK20	G80
B274Z13000HPS KN25	G80
B274Z13000SGL KCMS20	G80
B274Z13500HPG KCPK15	G80
B274Z13500HPS KN25	G80
B274Z13500SGL KCMS20	G80
B274Z14000HPG KCPK15	G80
B274Z14000HPS KN25	G80
B274Z14000SGL KCMS20	G80
B274Z15000HPG KCPK15	G80
B274Z15000HPS KN25	G80
B274Z15000SGL KCMS20	G80
B275Z02500KMG KCPK20	G81
B275Z02500KMS KN25	G81
B275Z02500SGL KCMS20	G81
B275Z03000HPS KN25	G81
B275Z03000KMG KCPK20	G81
B275Z03000SGL KCMS20	G81
B275Z03175HPG KCPK20	G81
B275Z03175HPS KN25	G81
B275Z03175SGL KCMS20	G81
B275Z03500HPG KCPK20	G81
B275Z03500HPS KN25	G81
B275Z03500SGL KCMS20	G81
B275Z03571HPG KCPK20	G81
B275Z03571HPS KN25	G81
B275Z03571SGL KCMS20	G81
B275Z03970HPG KCPK20	G81
B275Z03970HPS KN25	G81
B275Z03970SGL KCMS20	G81
B275Z04000HPG KCPK20	G81
B275Z04000HPS KN25	G81
B275Z04000SGL KCMS20	G81
B275Z04200HPG KCPK20	G81
B275Z04200HPS KN25	G81
B275Z04200SGL KCMS20	G81
B275Z04500HPS KN25	G81
B275Z04500SGL KCMS20	G81
B275Z04763HPG KCPK20	G81
B275Z04763HPS KN25	G81
B275Z04763SGL KCMS20	G81
B275Z05000HPG KCPK20	G81
B275Z05000HPS KN25	G81
B275Z05000SGL KCMS20	G81
B275Z05500HPG KCPK20	G81
B275Z05500HPS KN25	G81
B275Z05500SGL KCMS20	G81
B275Z05558HPG KCPK20	G81
B275Z05558HPS KN25	G81
B275Z05558SGL KCMS20	G81
B275Z06000HPG KCPK20	G81
B275Z06000HPS KN25	G81
B275Z06000SGL KCMS20	G81
B275Z06350HPG KCPK20	G81
B275Z06350HPS KN25	G81
B275Z06350SGL KCMS20	G81
B275Z06500HPG KCPK20	G81
B275Z06500HPS KN25	G81
B275Z06500SGL KCMS20	G81
B275Z06800HPG KCPK20	G81
B275Z06800HPS KN25	G81
B275Z06800SGL KCMS20	G81
B275Z07000HPG KCPK20	G81
B275Z07000HPS KN25	G81
B275Z07000SGL KCMS20	G81
B275Z07145HPG KCPK20	G81
B275Z07145HPS KN25	G81
B275Z07145SGL KCMS20	G81
B275Z07500HPG KCPK20	G81
B275Z07500HPS KN25	G81
B275Z07500SGL KCMS20	G81
B275Z07938HPG KCPK20	G81
B275Z07938HPS KN25	G81
B275Z07938SGL KCMS20	G81
B275Z08000HPG KCPK20	G81
B275Z08000HPS KN25	G81
B275Z08000SGL KCMS20	G81
B275Z08500HPS KN25	G81
B275Z08500SGL KCMS20	G81
B275Z08733HPG KCPK20	G81
B275Z08733HPS KN25	G81
B275Z08733SGL KCMS20	G81
B275Z09000HPG KCPK20	G81
B275Z09000HPS KN25	G81
B275Z09000SGL KCMS20	G81
B275Z09525HPG KCPK20	G81
B275Z09525HPS KN25	G81
B275Z09525SGL KCMS20	G81
B275Z10000HPG KCPK20	G81
B275Z10000HPS KN25	G81
B275Z10000SGL KCMS20	G81
B275Z10200HPG KCPK15	G81
B275Z10200HPS KN25	G81
B275Z10200SGL KCMS20	G81
B275Z10320HPG KCPK15	G81
B275Z10320HPS KN25	G81
B275Z10320SGL KCMS20	G81
B275Z11000HPS KN25	G81
B275Z11000SGL KCMS20	G81
B284D03000HPS KN15	G88
B284D03100HPS KN15	G88
B284D03175HPS KN15	G88
B284D03200HPS KN15	G88
B284D03264HPS KN15	G88
B284D03300HPS KN15	G88
B284D03455HPS KN15	G88
B284D03500HPS KN15	G88
B284D03571HPS KN15	G88
B284D03700HPS KN15	G88
B284D03734HPS KN15	G88
B284D03900HPS KN15	G88
B284D03970HPS KN15	G88
B284D04000HPS KN15	G88
B284D04039HPS KN15	G88
B284D04100HPS KN15	G88
B284D04200HPS KN15	G88
B284D04305HPS KN15	G88
B284D04366HPS KN15	G88
B284D04400HPS KN15	G88
B284D04500HPS KN15	G88
B284D04600HPS KN15	G88
B284D04700HPS KN15	G88
B284D04763HPS KN15	G88
B284D04800HPS KN15	G88
B284D04900HPS KN15	G88
B284D05000HPS KN15	G88
B284D05100HPS KN15	G88
B284D05106HPS KN15	G88
B284D05159HPS KN15	G88
B284D05200HPS KN15	G88
B284D05300HPS KN15	G88
B284D05400HPS KN15	G88
B284D05410HPS KN15	G88
B284D05500HPS KN15	G88
B284D05558HPS KN15	G88
B284D05600HPS KN15	G89
B284D05791HPS KN15	G89
B284D05800HPS KN15	G89
B284D05954HPS KN15	G89
B284D06000HPS KN15	G89
B284D06200HPS KN15	G89

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B284D06300HPS KN15	G89
B284D06350HPS KN15	G89
B284D06400HPS KN15	G89
B284D06500HPS KN15	G89
B284D06528HPS KN15	G89
B284D06600HPS KN15	G89
B284D06630HPS KN15	G89
B284D06700HPS KN15	G89
B284D06746HPS KN15	G89
B284D06800HPS KN15	G89
B284D06900HPS KN15	G89
B284D07000HPS KN15	G89
B284D07145HPS KN15	G89
B284D07300HPS KN15	G89
B284D07400HPS KN15	G89
B284D07500HPS KN15	G89
B284D07541HPS KN15	G89
B284D07600HPS KN15	G89
B284D07700HPS KN15	G89
B284D07938HPS KN15	G89
B284D08000HPS KN15	G89
B284D08334HPS KN15	G89
B284D08400HPS KN15	G89
B284D08433HPS KN15	G89
B284D08500HPS KN15	G89
B284D08700HPS KN15	G89
B284D08733HPS KN15	G89
B284D08800HPS KN15	G89
B284D08900HPS KN15	G89
B284D09000HPS KN15	G89
B284D09100HPS KN15	G89
B284D09129HPS KN15	G89
B284D09300HPS KN15	G89
B284D09400HPS KN15	G89
B284D09500HPS KN15	G89
B284D09525HPS KN15	G89
B284D09900HPS KN15	G89
B284D09921HPS KN15	G89
B284D10000HPS KN15	G89
B284D10100HPS KN15	G89
B284D10200HPS KN15	G89
B284D10300HPS KN15	G89
B284D10320HPS KN15	G89
B284D10500HPS KN15	G89
B284D10600HPS KN15	G89
B284D10716HPS KN15	G90
B284D10800HPS KN15	G90
B284D11000HPS KN15	G90
B284D11100HPS KN15	G90
B284D11113HPS KN15	G90
B284D11200HPS KN15	G90
B284D11300HPS KN15	G90
B284D11400HPS KN15	G90
B284D11500HPS KN15	G90
B284D11509HPS KN15	G90
B284D11800HPS KN15	G90
B284D11908HPS KN15	G90
B284D12000HPS KN15	G90
B284D12304HPS KN15	G90
B284D12500HPS KN15	G90
B284D12600HPS KN15	G90
B284D12700HPS KN15	G90
B284D13000HPS KN15	G90
B284D13096HPS KN15	G90
B284D13100HPS KN15	G90
B284D13300HPS KN15	G90
B284D13400HPS KN15	G90
B284D13500HPS KN15	G90
B284D14000HPS KN15	G90
B284D14200HPS KN15	G90
B284D14288HPS KN15	G90
B284D14500HPS KN15	G90
B284D14684HPS KN15	G90
B284D15000HPS KN15	G90
B284D15083HPS KN15	G90
B284D15100HPS KN15	G90
B284D15300HPS KN15	G90
B284D15400HPS KN15	G90
B284D15875HPS KN15	G90
B284D16000HPS KN15	G90
B284D16500HPS KN15	G90
B284D16670HPS KN15	G90
B284D16800HPS KN15	G90
B284D16900HPS KN15	G90
B284D17000HPS KN15	G90
B284D17300HPS KN15	G90
B284D17463HPS KN15	G90
B284D17500HPS KN15	G90
B284D17859HPS KN15	G90
B284D18000HPS KN15	G90
B284D19000HPS KN15	G90
B284D19050HPS KN15	G90
B284D20000HPS KN15	G90
B285D03000HPS KN15	G88
B285D03100HPS KN15	G88
B285D03175HPS KN15	G88
B285D03200HPS KN15	G88
B285D03264HPS KN15	G88
B285D03300HPS KN15	G88
B285D03455HPS KN15	G88
B285D03500HPS KN15	G88
B285D03571HPS KN15	G88
B285D03700HPS KN15	G88
B285D03734HPS KN15	G88
B285D03900HPS KN15	G88
B285D03970HPS KN15	G88
B285D04000HPS KN15	G88
B285D04039HPS KN15	G88
B285D04100HPS KN15	G88
B285D04200HPS KN15	G88
B285D04305HPS KN15	G88
B285D04400HPS KN15	G88
B285D04500HPS KN15	G88
B285D04600HPS KN15	G88
B285D04700HPS KN15	G88
B285D04763HPS KN15	G88
B285D04800HPS KN15	G88
B285D04900HPS KN15	G88
B285D05000HPS KN15	G88
B285D05100HPS KN15	G88
B285D05106HPS KN15	G88
B285D05159HPS KN15	G88
B285D05200HPS KN15	G88
B285D05300HPS KN15	G88
B285D05400HPS KN15	G88
B285D05410HPS KN15	G88
B285D05500HPS KN15	G88
B285D05558HPS KN15	G88
B285D05600HPS KN15	G89
B285D05791HPS KN15	G89
B285D06000HPS KN15	G89
B285D06200HPS KN15	G89
B285D06300HPS KN15	G89
B285D06350HPS KN15	G89
B285D06400HPS KN15	G89
B285D06500HPS KN15	G89
B285D06528HPS KN15	G89
B285D06600HPS KN15	G89
B285D06630HPS KN15	G89
B285D06700HPS KN15	G89
B285D06746HPS KN15	G89
B285D06800HPS KN15	G89
B285D06900HPS KN15	G89
B285D07000HPS KN15	G89
B285D07145HPS KN15	G89
B285D07300HPS KN15	G89
B285D07400HPS KN15	G89
B285D07541HPS KN15	G89
B285D07600HPS KN15	G89
B285D07700HPS KN15	G89
B285D07800HPS KN15	G89
B285D07938HPS KN15	G89
B285D08000HPS KN15	G89
B285D08334HPS KN15	G89
B285D08400HPS KN15	G89
B285D08433HPS KN15	G89
B285D08500HPS KN15	G89
B285D08700HPS KN15	G89
B285D08733HPS KN15	G89
B285D08800HPS KN15	G89
B285D08900HPS KN15	G89
B285D09000HPS KN15	G89
B285D09100HPS KN15	G89
B285D09129HPS KN15	G89
B285D09300HPS KN15	G89
B285D09400HPS KN15	G89
B285D09500HPS KN15	G89
B285D09525HPS KN15	G89
B285D09900HPS KN15	G89
B285D09921HPS KN15	G89
B285D10000HPS KN15	G89
B285D10100HPS KN15	G89
B285D10200HPS KN15	G89
B285D10300HPS KN15	G89
B285D10320HPS KN15	G89
B285D10500HPS KN15	G89
B285D10600HPS KN15	G89
B285D10716HPS KN15	G90
B285D10800HPS KN15	G90
B285D11000HPS KN15	G90
B285D11100HPS KN15	G90
B285D11113HPS KN15	G90
B285D11200HPS KN15	G90
B285D11300HPS KN15	G90
B285D11400HPS KN15	G90
B285D11500HPS KN15	G90
B285D11509HPS KN15	G90
B285D11800HPS KN15	G90
B285D11908HPS KN15	G90
B285D12000HPS KN15	G90
B285D12304HPS KN15	G90
B285D12500HPS KN15	G90
B285D12600HPS KN15	G90
B285D12700HPS KN15	G90
B285D13000HPS KN15	G90
B285D13096HPS KN15	G90
B285D13100HPS KN15	G90
B285D13300HPS KN15	G90
B285D13400HPS KN15	G90
B285D13500HPS KN15	G90
B285D14000HPS KN15	G90
B285D14200HPS KN15	G90
B285D14288HPS KN15	G90
B285D14500HPS KN15	G90
B285D14684HPS KN15	G90
B285D15000HPS KN15	G90
B285D15083HPS KN15	G90
B285D15100HPS KN15	G90
B285D15300HPS KN15	G90
B285D15400HPS KN15	G90
B285D15875HPS KN15	G90
B285D16000HPS KN15	G90
B285D16500HPS KN15	G90
B285D16670HPS KN15	G90
B285D16800HPS KN15	G90
B285D16900HPS KN15	G90
B285D17000HPS KN15	G90
B285D17300HPS KN15	G90
B285D17463HPS KN15	G90
B285D17500HPS KN15	G90
B285D17859HPS KN15	G90
B285D18000HPS KN15	G90
B285D19000HPS KN15	G90
B285D19050HPS KN15	G90
B285D20000HPS KN15	G90
B286D03000HPS KN15	G88
B286D03100HPS KN15	G88
B286D03175HPS KN15	G88
B286D03200HPS KN15	G88
B286D03264HPS KN15	G88
B286D03300HPS KN15	G88
B286D03455HPS KN15	G88
B286D03500HPS KN15	G88
B286D03571HPS KN15	G88
B286D03700HPS KN15	G88
B286D03734HPS KN15	G88
B286D03900HPS KN15	G88
B286D03970HPS KN15	G88
B286D04000HPS KN15	G88
B286D04039HPS KN15	G88
B286D04100HPS KN15	G88
B286D04200HPS KN15	G88
B286D04305HPS KN15	G88
B286D04400HPS KN15	G88
B286D04500HPS KN15	G88
B286D04600HPS KN15	G88
B286D04700HPS KN15	G88
B286D04763HPS KN15	G88
B286D04800HPS KN15	G88
B286D04900HPS KN15	G88
B286D05000HPS KN15	G88
B286D05100HPS KN15	G88
B286D05106HPS KN15	G88
B286D05159HPS KN15	G88
B286D05200HPS KN15	G88
B286D05300HPS KN15	G88
B286D05400HPS KN15	G88
B286D05410HPS KN15	G88
B286D05500HPS KN15	G88
B286D05558HPS KN15	G88
B286D05600HPS KN15	G89
B286D05791HPS KN15	G89
B286D06000HPS KN15	G89
B286D06200HPS KN15	G89
B286D06300HPS KN15	G89
B286D06350HPS KN15	G89
B286D06400HPS KN15	G89
B286D06500HPS KN15	G89
B286D06528HPS KN15	G89
B286D06600HPS KN15	G89
B286D06630HPS KN15	G89
B286D06700HPS KN15	G89
B286D06746HPS KN15	G89
B286D06800HPS KN15	G89
B286D06900HPS KN15	G89
B286D07000HPS KN15	G89
B286D07145HPS KN15	G89
B286D07300HPS KN15	G89
B286D07400HPS KN15	G89
B286D07541HPS KN15	G89
B286D07600HPS KN15	G89
B286D07700HPS KN15	G89
B286D07938HPS KN15	G89
B286D08000HPS KN15	G89
B286D08334HPS KN15	G89
B286D08400HPS KN15	G89
B286D08433HPS KN15	G89
B286D08500HPS KN15	G89
B286D08700HPS KN15	G89
B286D08733HPS KN15	G89
B286D08800HPS KN15	G89
B286D08900HPS KN15	G89
B286D09000HPS KN15	G89
B286D09100HPS KN15	G89
B286D09129HPS KN15	G89
B286D09300HPS KN15	G89
B286D09400HPS KN15	G89
B286D09500HPS KN15	G89
B286D09525HPS KN15	G89
B286D09900HPS KN15	G89
B286D09921HPS KN15	G89
B286D10000HPS KN15	G89
B286D10100HPS KN15	G89
B286D10200HPS KN15	G89
B286D10300HPS KN15	G89
B286D10320HPS KN15	G89
B286D10500HPS KN15	G89
B286D10600HPS KN15	G89
B286D10716HPS KN15	G90
B286D10800HPS KN15	G90
B286D11000HPS KN15	G90
B286D11100HPS KN15	G90
B286D11113HPS KN15	G90
B286D11200HPS KN15	G90
B286D11300HPS KN15	G90
B286D11400HPS KN15	G90
B286D11500HPS KN15	G90
B286D11509HPS KN15	G90
B286D11800HPS KN15	G90
B286D11908HPS KN15	G90
B286D12000HPS KN15	G90
B286D12304HPS KN15	G90
B286D12500HPS KN15	G90
B286D12600HPS KN15	G90
B286D12700HPS KN15	G90
B286D13000HPS KN15	G90
B286D13096HPS KN15	G90
B286D13100HPS KN15	G90

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B286D13300HPS KN15	G90
B286D13400HPS KN15	G90
B286D13500HPS KN15	G90
B286D14000HPS KN15	G90
B286D14200HPS KN15	G90
B286D14288HPS KN15	G90
B286D14500HPS KN15	G90
B286D14684HPS KN15	G90
B286D15000HPS KN15	G90
B286D15083HPS KN15	G90
B286D15100HPS KN15	G90
B286D15300HPS KN15	G90
B286D15400HPS KN15	G90
B286D15875HPS KN15	G90
B286D16000HPS KN15	G90
B286D16500HPS KN15	G90
B286D16670HPS KN15	G90
B286D16800HPS KN15	G90
B286D16900HPS KN15	G90
B286D17000HPS KN15	G90
B286D17300HPS KN15	G90
B286D17463HPS KN15	G90
B286D17500HPS KN15	G90
B286D17859HPS KN15	G90
B286D18000HPS KN15	G90
B286D19000HPS KN15	G90
B286D19050HPS KN15	G90
B286D20000HPS KN15	G90
B291A03000YPL KC7315	G94
B291A03100YPL KC7315	G94
B291A03175YPL KC7315	G94
B291A03200YPL KC7315	G94
B291A03300YPL KC7315	G94
B291A03400YPL KC7315	G94
B291A03454YPL KC7315	G94
B291A03500YPL KC7315	G94
B291A03600YPL KC7315	G94
B291A03700YPL KC7315	G94
B291A03800YPL KC7315	G94
B291A03900YPL KC7315	G94
B291A03970YPL KC7315	G94
B291A04000YPL KC7315	G94
B291A04100YPL KC7315	G94
B291A04300YPL KC7315	G94
B291A04400YPL KC7315	G94
B291A04500YPL KC7315	G94
B291A04763YPL KC7315	G94
B291A04800YPL KC7315	G94
B291A04851YPL KC7315	G94
B291A04900YPL KC7315	G94
B291A04915YPL KC7315	G94
B291A05000YPL KC7315	G94
B291A05100YPL KC7315	G94
B291A05200YPL KC7315	G94
B291A05410YPL KC7315	G94
B291A05500YPL KC7315	G94
B291A05600YPL KC7315	G94
B291A05900YPL KC7315	G94
B291A06000YPL KC7315	G94
B291A06200YPL KC7315	G94
B291A06350YPL KC7315	G95
B291A06500YPL KC7315	G95
B291A06747YPL KC7315	G95
B291A06800YPL KC7315	G95
B291A07000YPL KC7315	G95
B291A07144YPL KC7315	G95
B291A07200YPL KC7315	G95
B291A07500YPL KC7315	G95
B291A07938YPL KC7315	G95
B291A08000YPL KC7315	G95
B291A08334YPL KC7315	G95
B291A08500YPL KC7315	G95
B291A08600YPL KC7315	G95
B291A08733YPL KC7315	G95
B291A08800YPL KC7315	G95
B291A08900YPL KC7315	G95
B291A09000YPL KC7315	G95
B291A09129YPL KC7315	G95
B291A09300YPL KC7315	G95
B291A09500YPL KC7315	G95
B291A09525YPL KC7315	G95
B291A09700YPL KC7315	G95
B291A09800YPL KC7315	G95
B291A10000YPL KC7315	G95
B291A10200YPL KC7315	G95
B291A10320YPL KC7315	G95
B291A10500YPL KC7315	G95
B291A10716YPL KC7315	G95
B291A11000YPL KC7315	G95
B291A11113YPL KC7315	G95
B291A11500YPL KC7315	G95
B291A11509YPL KC7315	G95
B291A11800YPL KC7315	G95
B291A11908YPL KC7315	G95
B291A12000YPL KC7315	G96
B291A12300YPL KC7315	G96
B291A12500YPL KC7315	G96
B291A12700YPL KC7315	G96
B291A12900YPL KC7315	G96
B291A13000YPL KC7315	G96
B291A13800YPL KC7315	G96
B291A14000YPL KC7315	G96
B291A14288YPL KC7315	G96
B291A14500YPL KC7315	G96
B291A15000YPL KC7315	G96
B291A15800YPL KC7315	G96
B291A15875YPL KC7315	G96
B291A16000YPL KC7315	G96
B291A16100YPL KC7315	G96
B291A17000YPL KC7315	G96
B291A17463YPL KC7315	G96
B291A17500YPL KC7315	G96
B291A17900YPL KC7315	G96
B291A18000YPL KC7315	G96
B291A19050YPL KC7315	G96
B291A19800YPL KC7315	G96
B292A03000YPL KC7315	G94
B292A03100YPL KC7315	G94
B292A03175YPL KC7315	G94
B292A03200YPL KC7315	G94
B292A03300YPL KC7315	G94
B292A03400YPL KC7315	G94
B292A03500YPL KC7315	G94
B292A03600YPL KC7315	G94
B292A03700YPL KC7315	G94
B292A03800YPL KC7315	G94
B292A03900YPL KC7315	G94
B292A03970YPL KC7315	G94
B292A04000YPL KC7315	G94
B292A04100YPL KC7315	G94
B292A04200YPL KC7315	G94
B292A04300YPL KC7315	G94
B292A04500YPL KC7315	G94
B292A04700YPL KC7315	G94
B292A04763YPL KC7315	G94
B292A04800YPL KC7315	G94
B292A04851YPL KC7315	G94
B292A04915YPL KC7315	G94
B292A05000YPL KC7315	G94
B292A05100YPL KC7315	G94
B292A05200YPL KC7315	G94
B292A05410YPL KC7315	G94
B292A05500YPL KC7315	G94
B292A05558YPL KC7315	G94
B292A05600YPL KC7315	G94
B292A05800YPL KC7315	G94
B292A06000YPL KC7315	G94
B292A06200YPL KC7315	G94
B292A06350YPL KC7315	G95
B292A06500YPL KC7315	G95
B292A06528YPL KC7315	G95
B292A06600YPL KC7315	G95
B292A06746YPL KC7315	G95
B292A06800YPL KC7315	G95
B292A06900YPL KC7315	G95
B292A07000YPL KC7315	G95
B292A07100YPL KC7315	G95
B292A07145YPL KC7315	G95
B292A07200YPL KC7315	G95
B292A07400YPL KC7315	G95
B292A07500YPL KC7315	G95
B292A07600YPL KC7315	G95
B292A07900YPL KC7315	G95
B292A07938YPL KC7315	G95
B292A08000YPL KC7315	G95
B292A08100YPL KC7315	G95
B292A08200YPL KC7315	G95
B292A08334YPL KC7315	G95
B292A08433YPL KC7315	G95
B292A08500YPL KC7315	G95
B292A08600YPL KC7315	G95
B292A08733YPL KC7315	G95
B292A08800YPL KC7315	G95
B292A08900YPL KC7315	G95
B292A09000YPL KC7315	G95
B292A09130YPL KC7315	G95
B292A09200YPL KC7315	G95
B292A09347YPL KC7315	G95
B292A09500YPL KC7315	G95
B292A09525YPL KC7315	G95
B292A09600YPL KC7315	G95
B292A09700YPL KC7315	G95
B292A09800YPL KC7315	G95
B292A10000YPL KC7315	G95
B292A10100YPL KC7315	G95
B292A10200YPL KC7315	G95
B292A10320YPL KC7315	G95
B292A10500YPL KC7315	G95
B292A10716YPL KC7315	G95
B292A11000YPL KC7315	G95
B292A11112YPL KC7315	G95
B292A11500YPL KC7315	G95
B292A11509YPL KC7315	G95
B292A11908YPL KC7315	G95
B292A12000YPL KC7315	G96
B292A12304YPL KC7315	G96
B292A12500YPL KC7315	G96
B292A12700YPL KC7315	G96
B292A13000YPL KC7315	G96
B292A13500YPL KC7315	G96
B292A13900YPL KC7315	G96
B292A14000YPL KC7315	G96
B292A14200YPL KC7315	G96
B292A14288YPL KC7315	G96
B292A14500YPL KC7315	G96
B292A15000YPL KC7315	G96
B292A15500YPL KC7315	G96
B292A15600YPL KC7315	G96
B292A15875YPL KC7315	G96
B292A16000YPL KC7315	G96
B292A16500YPL KC7315	G96
B292A17000YPL KC7315	G96
B292A17463YPL KC7315	G96
B292A17500YPL KC7315	G96
B292A18000YPL KC7315	G96
B292A18500YPL KC7315	G96
B292A19000YPL KC7315	G96
B292A19050YPL KC7315	G96
B292A20000YPL KC7315	G96
B292A20500YPL KC7315	G96
B292A21000YPL KC7315	G96
B343S03175HPG KC7315	I8
B343S03400HPG KC7315	I8
B343S03500HPG KC7315	I8
B343S03797HPG KC7315	I8
B343S03800HPG KC7315	I8
B343S03970HPG KC7315	I8
B343S04000HPG KC7315	I8
B343S04100HPG KC7315	I8
B343S04200HPG KC7315	I8
B343S04300HPG KC7315	I8
B343S04500HPG KC7315	I8
B343S04600HPG KC7315	I8
B343S04623HPG KC7315	I8
B343S04763HPG KC7315	I8
B343S04900HPG KC7315	I8
B343S05000HPG KC7315	I8
B343S05100HPG KC7315	I8
B343S05200HPG KC7315	I8
B343S05300HPG KC7315	I8
B343S05400HPG KC7315	I8
B343S05410HPG KC7315	I8
B343S05500HPG KC7315	I8
B343S05550HPG KC7315	I8
B343S05558HPG KC7315	I8
B343S05600HPG KC7315	I8
B343S05800HPG KC7315	I8
B343S06000HPG KC7315	I8
B343S06100HPG KC7315	I8
B343S06200HPG KC7315	I8
B343S06300HPG KC7315	I8
B343S06350HPG KC7315	I8
B343S06400HPG KC7315	I8
B343S06500HPG KC7315	I8
B343S06528HPG KC7315	I8
B343S06600HPG KC7315	I8
B343S06700HPG KC7315	I8
B343S06746HPG KC7315	I9
B343S06800HPG KC7315	I9
B343S06900HPG KC7315	I9
B343S07000HPG KC7315	I9
B343S07145HPG KC7315	I9
B343S07300HPG KC7315	I9
B343S07400HPG KC7315	I9
B343S07500HPG KC7315	I9
B343S07541HPG KC7315	I9
B343S07800HPG KC7315	I9
B343S07900HPG KC7315	I9
B343S07938HPG KC7315	I9
B343S08000HPG KC7315	I9
B343S08100HPG KC7315	I9
B343S08200HPG KC7315	I9
B343S08300HPG KC7315	I9
B343S08334HPG KC7315	I9
B343S08400HPG KC7315	I9
B343S08433HPG KC7315	I9
B343S08500HPG KC7315	I9
B343S08600HPG KC7315	I9
B343S08700HPG KC7315	I9
B343S08733HPG KC7315	I9
B343S08800HPG KC7315	I9
B343S09000HPG KC7315	I9
B343S09100HPG KC7315	I9
B343S09347HPG KC7315	I9
B343S09400HPG KC7315	I9
B343S09500HPG KC7315	I9
B343S09525HPG KC7315	I9
B343S09700HPG KC7315	I9
B343S09800HPG KC7315	I9
B343S09921HPG KC7315	I9
B343S10000HPG KC7315	I9
B343S10100HPG KC7315	I9
B343S10200HPG KC7315	I9
B343S10300HPG KC7315	I9
B343S10320HPG KC7315	I9
B343S10400HPG KC7315	I9
B343S10500HPG KC7315	I9
B343S10600HPG KC7315	I9
B343S10700HPG KC7315	I9
B343S10710HPG KC7315	I9
B343S10800HPG KC7315	I9
B343S11000HPG KC7315	I9
B343S11100HPG KC7315	I9
B343S11110HPG KC7315	I9
B343S11200HPG KC7315	I9
B343S11300HPG KC7315	I9
B343S11500HPG KC7315	I9
B343S11508HPG KC7315	I9
B343S11700HPG KC7315	I9
B343S11800HPG KC7315	I10
B343S11900HPG KC7315	I10
B343S12000HPG KC7315	I10
B343S12200HPG KC7315	I10
B343S12500HPG KC7315	I10
B343S12700HPG KC7315	I10
B343S12800HPG KC7315	I10
B343S13000HPG KC7315	I10
B343S13200HPG KC7315	I10
B343S13500HPG KC7315	I10
B343S14000HPG KC7315	I10
B343S14200HPG KC7315	I10
B343S14280HPG KC7315	I10
B343S15000HPG KC7315	I10
B343S15500HPG KC7315	I10
B343S15870HPG KC7315	I10
B343S16000HPG KC7315	I10
B343S16500HPG KC7315	I10
B343S16670HPG KC7315	I10

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B343S17000HPG KC7315	I10
B343S17500HPG KC7315	I10
B343S17700HPG KC7315	I10
B343S18000HPG KC7315	I10
B411A03200 KF1	G100
B411A03300 KF1	G100
B411A03800 KF1	G100
B411A04000 KF1	G100
B411A04200 KF1	G100
B411A04500 KF1	G100
B411A04600 KF1	G100
B411A04650 KF1	G100
B411A04800 KF1	G100
B411A04900 KF1	G100
B411A05000 KF1	G100
B411A05100 KF1	G100
B411A05200 KF1	G100
B411A05500 KF1	G100
B411A05550 KF1	G100
B411A05600 KF1	G100
B411A05800 KF1	G100
B411A06000 KF1	G100
B411A06100 KF1	G100
B411A06300 KF1	G100
B411A06400 KF1	G100
B411A06500 KF1	G100
B411A06600 KF1	G100
B411A06800 KF1	G100
B411A07000 KF1	G100
B411A07400 KF1	G100
B411A07500 KF1	G100
B411A07700 KF1	G100
B411A07800 KF1	G100
B411A08000 KF1	G100
B411A08400 KF1	G100
B411A08500 KF1	G100
B411A08700 KF1	G100
B411A08800 KF1	G100
B411A09000 KF1	G100
B411A09300 KF1	G100
B411A09500 KF1	G101
B411A09800 KF1	G101
B411A10000 KF1	G101
B411A10200 KF1	G101
B411A10500 KF1	G101
B411A11000 KF1	G101
B411A11200 KF1	G101
B411A11500 KF1	G101
B411A11800 KF1	G101
B411A12000 KF1	G101
B411A12500 KF1	G101
B411A13000 KF1	G101
B411A13500 KF1	G101
B411A13800 KF1	G101
B411A14000 KF1	G101
B411A14500 KF1	G101
B411A15000 KF1	G101
B411A15500 KF1	G101
B411A16000 KF1	G101
B411A16500 KF1	G101
B411A17000 KF1	G101
B411A17500 KF1	G101
B411A18000 KF1	G101
B411A19000 KF1	G101
B411A19500 KF1	G101
B411A20000 KF1	G101
B411A21000 KF1	G101
B411A22000 KF1	G101
B411A23000 KF1	G101
B411A24000 KF1	G101
B411A25000 KF1	G101
B501Z04000 K10	G152
B501Z06000 K10	G152
B501Z10000 K10	G152
B501Z12000 K10	G152
B505Z04000 K10	G152
B505Z06000 K10	G152
B505Z08000 K10	G152
B505Z10000 K10	G152
B505Z12000 K10	G152
B505Z16000 K10	G152
B505Z20000 K10	G152
B510S08000 A30	J76
B510S08000 AS3	J76
B510S10000 A30	J76
B510S10000 AS3	J76
B510S15000 A30	J76
B510S15000 AS3	J76
B510S20000 A30	J76
B510S20000 AS3	J76
B510S25000 A30	J76
B510S25000 AS3	J76
B510S30000 A30	J76
B510S30000 AS3	J76
B511S08000 KC7315	J76
B511S10000 KC7315	J76
B511S15000 KC7315	J76
B511S20000 KC7315	J76
B511S25000 KC7315	J76
B511S30000 KC7315	J76
B513S08000 A30	J68
B513S08000 AS3	J68
B513S10000 A30	J68
B513S10000 AS3	J68
B514S08000 KC7030	J68
B514S10000 KC7030	J68
B531A03200SPF KDF400	G105
B531A03300SPF KDF400	G105
B531A03600SPF KDF400	G105
B531A04000SPF KDF400	G105
B531A04366SPF KDF400	G105
B531A04851SPF KDF400	G105
B531A04864SPF KDF400	G105
B531A05100SPF KDF400	G105
B531A05200SPF KDF400	G105
B531A06000SPF KDF400	G105
B531A06375SPF KDF400	G105
B531A06400SPF KDF400	G105
B531A06500SPF KDF400	G105
B531A07938SPF KDF400	G105
B531A09550SPF KDF400	G105
B531A09563SPF KDF400	G105
B531A11125SPF KDF400	G105
B531A12725SPF KDF400	G105
B532A03200SPF KDF400	G105
B532A03300SPF KDF400	G105
B532A03600SPF KDF400	G105
B532A04366SPF KDF400	G105
B532A04851SPF KDF400	G105
B532A05100SPF KDF400	G105
B532A05200SPF KDF400	G105
B532A06000SPF KDF400	G105
B532A06375SPF KDF400	G105
B532A06400SPF KDF400	G105
B532A06500SPF KDF400	G105
B532A06700SPF KDF400	G105
B532A07200SPF KDF400	G105
B532A07938SPF KDF400	G105
B532A09563SPF KDF400	G105
B532A12725SPF KDF400	G105
B551A04763DAL KN15	G108
B551A06350DAL KN15	G108
B551A07938DAL KN15	G108
B551A09525DAL KN15	G108
B551A11113DAL KN15	G108
B551A12700DAL KN15	G108
B551A14288DAL KN15	G108
B551A15875DAL KN15	G108
B556A04763DAL KN15	G108
B556A04826DAL KN15	G108
B556A06350DAL KN15	G108
B556A06375DAL KN15	G108
B556A07938DAL KN15	G108
B556A09525DAL KN15	G108
B556A11113DAL KN15	G108
B556A12700DAL KN15	G108
B556A14288DAL KN15	G108
B556A15875DAL KN15	G108
B707A03000FBG KC7315	G114
B707A03000FBL KCMS15	G114
B707A03000FBS KN15	G114
B707A03175FBG KC7315	G114
B707A03175FBL KCMS15	G114
B707A03175FBS KN15	G114
B707A03500FBG KC7315	G114
B707A03500FBL KCMS15	G114
B707A03500FBS KN15	G114
B707A03700FBG KC7315	G114
B707A03800FBL KCMS15	G114
B707A03970FBG KC7315	G114
B707A04000FBG KC7315	G114
B707A04000FBL KCMS15	G114
B707A04000FBS KN15	G114
B707A04200FBG KC7315	G114
B707A04200FBS KN15	G114
B707A04400FBG KC7315	G114
B707A04400FBL KCMS15	G114
B707A04400FBS KN15	G114
B707A04500FBG KC7315	G114
B707A04500FBL KCMS15	G114
B707A04500FBS KN15	G114
B707A04763FBG KC7315	G114
B707A04800FBG KC7315	G114
B707A04800FBL KCMS15	G114
B707A04800FBS KN15	G114
B707A04900FBG KC7315	G114
B707A04900FBS KN15	G114
B707A05000FBG KC7315	G114
B707A05000FBL KCMS15	G114
B707A05000FBS KN15	G114
B707A05200FBG KC7315	G114
B707A05560FBG KC7315	G114
B707A05560FBL KCMS15	G114
B707A05560FBS KN15	G114
B707A05800FBG KC7315	G114
B707A05900FBG KC7315	G114
B707A05900FBL KCMS15	G114
B707A05900FBS KN15	G114
B707A06000FBG KC7315	G114
B707A06000FBL KCMS15	G114
B707A06000FBS KN15	G114
B707A06100FBG KC7315	G114
B707A06350FBG KC7315	G114
B707A06350FBL KCMS15	G114
B707A06350FBS KN15	G114
B707A06500FBG KC7315	G114
B707A06500FBL KCMS15	G114
B707A06500FBS KN15	G114
B707A06800FBG KC7315	G114
B707A06800FBL KCMS15	G114
B707A06800FBS KN15	G114
B707A07000FBG KC7315	G114
B707A07000FBL KCMS15	G114
B707A07000FBS KN15	G114
B707A07145FBG KC7315	G114
B707A07400FBS KN15	G114
B707A07500FBG KC7315	G114
B707A07500FBL KCMS15	G114
B707A07500FBS KN15	G114
B707A07800FBG KC7315	G114
B707A07938FBG KC7315	G114
B707A07938FBL KCMS15	G114
B707A07938FBS KN15	G114
B707A08000FBG KC7315	G114
B707A08000FBL KCMS15	G114
B707A08000FBS KN15	G114
B707A08334FBG KC7315	G114
B707A08500FBG KC7315	G114
B707A08500FBL KCMS15	G114
B707A08500FBS KN15	G114
B707A08800FBG KC7315	G115
B707A08800FBL KCMS15	G115
B707A08800FBS KN15	G115
B707A09000FBG KC7315	G115
B707A09000FBL KCMS15	G115
B707A09000FBS KN15	G115
B707A09129FBG KC7315	G115
B707A09500FBG KC7315	G115
B707A09500FBL KCMS15	G115
B707A09500FBS KN15	G115
B707A09525FBG KC7315	G115
B707A09525FBL KCMS15	G115
B707A09525FBS KN15	G115
B707A09800FBG KC7315	G115
B707A10000FBG KC7315	G115
B707A10000FBL KCMS15	G115
B707A10000FBS KN15	G115
B707A10200FBG KC7315	G115
B707A10320FBG KC7315	G115
B707A10320FBL KCMS15	G115
B707A10320FBS KN15	G115
B707A10500FBG KC7315	G115
B707A10500FBL KCMS15	G115
B707A10500FBS KN15	G115
B707A10600FBG KC7315	G115
B707A10800FBG KC7315	G115
B707A11000FBG KC7315	G115
B707A11000FBL KCMS15	G115
B707A11000FBS KN15	G115
B707A11111FBG KC7315	G115
B707A11111FBL KCMS15	G115
B707A11111FBS KN15	G115
B707A11350FBG KC7315	G115
B707A11509FBG KC7315	G115
B707A11509FBL KCMS15	G115
B707A11509FBS KN15	G115
B707A11570FBG KC7315	G115
B707A11570FBL KCMS15	G115
B707A11570FBS KN15	G115
B707A11700FBG KC7315	G115
B707A11700FBL KCMS15	G115
B707A11700FBS KN15	G115
B707A11800FBG KC7315	G115
B707A11800FBL KCMS15	G115
B707A11800FBS KN15	G115
B707A11908FBG KC7315	G115
B707A12000FBG KC7315	G115
B707A12000FBL KCMS15	G115
B707A12000FBS KN15	G115
B707A12100FBG KC7315	G115
B707A12100FBL KCMS15	G115
B707A12100FBS KN15	G115
B707A12500FBG KC7315	G115
B707A12500FBL KCMS15	G115
B707A12500FBS KN15	G115
B707A12600FBG KC7315	G115
B707A12700FBG KC7315	G115
B707A12700FBL KCMS15	G115
B707A12700FBS KN15	G115
B707A12800FBG KC7315	G115
B707A12800FBL KCMS15	G115
B707A12800FBS KN15	G115
B707A13000FBG KC7315	G115
B707A13000FBL KCMS15	G115
B707A13000FBS KN15	G115
B707A13500FBG KC7315	G115
B707A13500FBL KCMS15	G115
B707A13500FBS KN15	G115
B707A14000FBG KC7315	G115
B707A14000FBL KCMS15	G115
B707A14000FBS KN15	G115
B707A14288FBG KC7315	G115
B707A14288FBL KCMS15	G115
B707A14288FBS KN15	G115
B707A14500FBG KC7315	G115
B707A14500FBL KCMS15	G115
B707A14500FBS KN15	G115
B707A15000FBG KC7315	G115
B707A15000FBL KCMS15	G115
B707A15000FBS KN15	G115
B707A15250FBG KC7315	G115
B707A15250FBL KCMS15	G115
B707A15250FBS KN15	G115
B707A15500FBG KC7315	G115
B707A15500FBL KCMS15	G115
B707A15500FBS KN15	G115
B707A15875FBG KC7315	G115
B707A15875FBL KCMS15	G115
B707A15875FBS KN15	G115
B707A16000FBG KC7315	G115
B707A16000FBL KCMS15	G115
B707A16000FBS KN15	G115
B707A16500FBG KC7315	G115
B707A16500FBL KCMS15	G115
B707A16500FBS KN15	G115
B707A17000FBG KC7315	G115
B707A17000FBL KCMS15	G115
B707A17000FBS KN15	G115

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B707A17463FBG KC7315	G115
B707A17500FBG KC7315	G115
B707A17500FBL KCMS15	G115
B707A17500FBS KN15	G115
B707A17900FBL KCMS15	G115
B707A18000FBG KC7315	G115
B707A18000FBL KCMS15	G115
B707A18000FBS KN15	G115
B707A18500FBG KC7315	G115
B707A19000FBG KC7315	G115
B707A19000FBL KCMS15	G115
B707A19000FBS KN15	G115
B707A19050FBG KC7315	G115
B707A19050FBL KCMS15	G115
B707A19050FBS KN15	G115
B707A20000FBG KC7315	G115
B707A20000FBL KCMS15	G115
B707A20000FBS KN15	G115
B707A21000FBG KC7315	G115
B707A21000FBL KCMS15	G115
B707A21000FBS KN15	G115
B731A03734HP KCPK15	G120
B731A04200HP KCPK15	G120
B731A04496HP KCPK15	G120
B731A05000HP KCPK15	G120
B731A05106HP KCPK15	G120
B731A05410HP KCPK15	G120
B731A06528HP KCPK15	G120
B731A06800HP KCPK15	G120
B731A06909HP KCPK15	G120
B731A07938HP KCPK15	G120
B731A08433HP KCPK15	G120
B731A08500HP KCPK15	G120
B731A09921HP KCPK15	G120
B731A10200HP KCPK15	G120
B731A10500HP KCPK15	G120
B731A10716HP KCPK15	G120
B731A12000HP KCPK15	G120
B731A12304HP KCPK15	G120
B731A12500HP KCPK15	G120
B731A13096HP KCPK15	G120
B731A13495HP KCPK15	G120
B731A14000HP KCPK15	G120
B731A16670HP KCPK15	G120
B731A17463HP KCPK15	G120
B731A19446HP KCPK15	G120
B732A03734HP KCPK15	G121
B732A04200HP KCPK15	G121
B732A04496HP KCPK15	G121
B732A05000HP KCPK15	G121
B732A05106HP KCPK15	G121
B732A05410HP KCPK15	G121
B732A06528HP KCPK15	G121
B732A06800HP KCPK15	G121
B732A06909HP KCPK15	G121
B732A07938HP KCPK15	G121
B732A08433HP KCPK15	G121
B732A08500HP KCPK15	G121
B732A09921HP KCPK15	G121
B732A10200HP KCPK15	G121
B732A10500HP KCPK15	G121
B732A10716HP KCPK15	G121
B732A12000HP KCPK15	G121
B732A12500HP KCPK15	G121
B732A13096HP KCPK15	G121
B732A13495HP KCPK15	G121
B732A14000HP KCPK15	G121
B732A16670HP KCPK15	G121
B732A17463HP KCPK15	G121
B941A03000 KC7315	G126
B941A03300 KC7315	G126
B941A03400 KC7315	G126
B941A03500 KC7315	G126
B941A04000 KC7315	G126
B941A04200 KC7315	G126
B941A04300 KC7315	G126
B941A04500 KC7315	G126
B941A05000 KC7315	G126
B941A05100 KC7315	G126
B941A05200 KC7315	G126
B941A05500 KC7315	G126
B941A05600 KC7315	G126
B941A06000 KC7315	G126
B941A06900 KC7315	G126
B941A07000 KC7315	G126
B941A07100 KC7315	G126
B941A08000 KC7315	G126
B941A08500 KC7315	G126
B941A08600 KC7315	G126
B941A09000 KC7315	G126
B941A10000 KC7315	G126
B941A10200 KC7315	G126
B941A10400 KC7315	G126
B941A10500 KC7315	G126
B941A11100 KC7315	G126
B941A12000 KC7315	G126
B941A14000 KC7315	G126
B941Z02500 KC7315	G126
B951A03000 KC7315	G127
B951A03175 KC7315	G127
B951A03454 KC7315	G127
B951A03500 KC7315	G127
B951A03800 KC7315	G127
B951A04000 KC7315	G127
B951A04100 KC7315	G127
B951A04200 KC7315	G127
B951A04300 KC7315	G127
B951A04500 KC7315	G127
B951A04800 KC7315	G127
B951A04900 KC7315	G127
B951A05000 KC7315	G127
B951A05500 KC7315	G127
B951A05800 KC7315	G127
B951A06000 KC7315	G127
B951A06350 KC7315	G127
B951A06500 KC7315	G127
B951A06800 KC7315	G127
B951A07000 KC7315	G127
B951A08000 KC7315	G127
B951A08500 KC7315	G127
B951A09000 KC7315	G127
B951A09500 KC7315	G127
B951A09800 KC7315	G127
B951A10000 KC7315	G127
B951A10200 KC7315	G127
B951A10500 KC7315	G127
B951A10800 KC7315	G128
B951A11000 KC7315	G128
B951A11500 KC7315	G128
B951A11800 KC7315	G128
B951A12000 KC7315	G128
B951A12500 KC7315	G128
B951A12700 KC7315	G128
B951A12800 KC7315	G128
B951A13000 KC7315	G128
B951A13500 KC7315	G128
B951A14000 KC7315	G128
B951A14500 KC7315	G128
B951A15500 KC7315	G128
B951A16000 KC7315	G128
B966A03000 KC7315	G132
B966A03100 KC7315	G132
B966A03200 KC7315	G132
B966A03300 KC7315	G132
B966A03400 KC7315	G132
B966A03500 KC7315	G132
B966A03600 KC7315	G132
B966A03700 KC7315	G132
B966A03800 KC7315	G132
B966A03900 KC7315	G132
B966A03960 KC7315	G132
B966A04000 KC7315	G132
B966A04100 KC7315	G132
B966A04200 KC7315	G132
B966A04300 KC7315	G132
B966A04400 KC7315	G132
B966A04500 KC7315	G132
B966A04600 KC7315	G132
B966A04700 KC7315	G132
B966A04800 KC7315	G132
B966A04900 KC7315	G132
B966A05000 KC7315	G132
B966A05040 KC7315	G132
B966A05100 KC7315	G132
B966A05200 KC7315	G132
B966A05300 KC7315	G132
B966A05400 KC7315	G132
B966A05500 KC7315	G132
B966A05600 KC7315	G132
B966A05700 KC7315	G132
B966A05800 KC7315	G132
B966A05900 KC7315	G132
B966A06000 KC7315	G132
B966A06050 KC7315	G132
B966A06100 KC7315	G132
B966A06200 KC7315	G132
B966A06300 KC7315	G133
B966A06350 KC7315	G133
B966A06400 KC7315	G133
B966A06500 KC7315	G133
B966A06600 KC7315	G133
B966A06700 KC7315	G133
B966A06800 KC7315	G133
B966A06900 KC7315	G133
B966A07000 KC7315	G133
B966A07100 KC7315	G133
B966A07200 KC7315	G133
B966A07300 KC7315	G133
B966A07400 KC7315	G133
B966A07500 KC7315	G133
B966A07600 KC7315	G133
B966A07700 KC7315	G133
B966A07800 KC7315	G133
B966A07900 KC7315	G133
B966A08000 KC7315	G133
B966A08100 KC7315	G133
B966A08200 KC7315	G133
B966A08300 KC7315	G133
B966A08400 KC7315	G133
B966A08500 KC7315	G133
B966A08600 KC7315	G133
B966A08700 KC7315	G133
B966A08800 KC7315	G133
B966A08900 KC7315	G133
B966A09000 KC7315	G133
B966A09100 KC7315	G133
B966A09200 KC7315	G133
B966A09300 KC7315	G133
B966A09400 KC7315	G133
B966A09500 KC7315	G133
B966A09600 KC7315	G133
B966A09700 KC7315	G133
B966A09800 KC7315	G133
B966A09900 KC7315	G133
B966A10000 KC7315	G133
B966A10100 KC7315	G133
B966A10200 KC7315	G133
B966A10300 KC7315	G133
B966A10400 KC7315	G133
B966A10500 KC7315	G133
B966A10600 KC7315	G133
B966A10700 KC7315	G133
B966A10800 KC7315	G133
B966A10900 KC7315	G133
B966A11000 KC7315	G133
B966A11100 KC7315	G133
B966A11200 KC7315	G133
B966A11300 KC7315	G133
B966A11400 KC7315	G134
B966A11500 KC7315	G134
B966A11600 KC7315	G134
B966A11700 KC7315	G134
B966A11800 KC7315	G134
B966A11900 KC7315	G134
B966A12000 KC7315	G134
B966A12100 KC7315	G134
B966A12200 KC7315	G134
B966A12300 KC7315	G134
B966A12400 KC7315	G134
B966A12500 KC7315	G134
B966A12600 KC7315	G134
B966A12700 KC7315	G134
B966A12800 KC7315	G134
B966A12900 KC7315	G134
B966A13000 KC7315	G134
B966A13100 KC7315	G134
B966A13200 KC7315	G134
B966A13300 KC7315	G134
B966A13400 KC7315	G134
B966A13500 KC7315	G134
B966A13700 KC7315	G134
B966A14000 KC7315	G134
B966A14200 KC7315	G134
B966A14300 KC7315	G134
B966A14500 KC7315	G134
B966A14700 KC7315	G134
B966A14800 KC7315	G134
B966A15000 KC7315	G134
B966A15500 KC7315	G134
B966A15700 KC7315	G134
B966A16000 KC7315	G134
B966A16500 KC7315	G134
B966A17000 KC7315	G134
B966A17500 KC7315	G134
B966A18000 KC7315	G134
B966A20000 KC7315	G134
B966F03000 KC7315	G135
B966F03300 KC7315	G135
B966F03400 KC7315	G135
B966F03500 KC7315	G135
B966F03600 KC7315	G135
B966F04000 KC7315	G135
B966F04200 KC7315	G135
B966F05000 KC7315	G135
B966F05100 KC7315	G135
B966F05300 KC7315	G135
B966F05500 KC7315	G135
B966F05600 KC7315	G135
B966F06000 KC7315	G135
B966F06300 KC7315	G135
B966F06400 KC7315	G135
B966F06500 KC7315	G135
B966F06700 KC7315	G135
B966F06800 KC7315	G135
B966F07000 KC7315	G135
B966F07100 KC7315	G135
B966F07300 KC7315	G135
B966F07400 KC7315	G135
B966F07600 KC7315	G135
B966F08000 KC7315	G135
B966F08200 KC7315	G135
B966F08400 KC7315	G135
B966F08500 KC7315	G135
B966F09000 KC7315	G135
B966F09100 KC7315	G135
B966F09500 KC7315	G135
B966F10000 KC7315	G135
B966F10200 KC7315	G135
B966F10400 KC7315	G135
B966F10500 KC7315	G135
B966F10600 KC7315	G135
B966F10700 KC7315	G135
B966F10800 KC7315	G136
B966F11000 KC7315	G136
B966F11800 KC7315	G136
B966F12000 KC7315	G136
B966F12100 KC7315	G136
B966F12200 KC7315	G136
B966F12500 KC7315	G136
B966F12700 KC7315	G136
B966F13000 KC7315	G136
B966F13500 KC7315	G136
B966F14000 KC7315	G136
B966F14500 KC7315	G136
B966F15000 KC7315	G136
B966F16000 KC7315	G136
B966F16500 KC7315	G136
B966F17000 KC7315	G136
B966F17500 KC7315	G136
B966F18000 KC7315	G136
B967A03000 KC7315	G132
B967A03100 KC7315	G132
B967A03200 KC7315	G132
B967A03300 KC7315	G132
B967A03500 KC7315	G132
B967A03800 KC7315	G132
B967A04000 KC7315	G132
B967A04200 KC7315	G132

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B967A04300 KC7315	G132
B967A04500 KC7315	G132
B967A04800 KC7315	G132
B967A05000 KC7315	G132
B967A05100 KC7315	G132
B967A05200 KC7315	G132
B967A05500 KC7315	G132
B967A05800 KC7315	G132
B967A06000 KC7315	G132
B967A06100 KC7315	G132
B967A06500 KC7315	G133
B967A06600 KC7315	G133
B967A06700 KC7315	G133
B967A06800 KC7315	G133
B967A07000 KC7315	G133
B967A07400 KC7315	G133
B967A07500 KC7315	G133
B967A07800 KC7315	G133
B967A08000 KC7315	G133
B967A08100 KC7315	G133
B967A08500 KC7315	G133
B967A08600 KC7315	G133
B967A08700 KC7315	G133
B967A08800 KC7315	G133
B967A09000 KC7315	G133
B967A09300 KC7315	G133
B967A09500 KC7315	G133
B967A09800 KC7315	G133
B967A10000 KC7315	G133
B967A10200 KC7315	G133
B967A10500 KC7315	G133
B967A10700 KC7315	G133
B967A10800 KC7315	G133
B967A11000 KC7315	G133
B967A11300 KC7315	G133
B967A11500 KC7315	G134
B967A11800 KC7315	G134
B967A12000 KC7315	G134
B967A12500 KC7315	G134
B967A12700 KC7315	G134
B967A12800 KC7315	G134
B967A13000 KC7315	G134
B967A13500 KC7315	G134
B967A14000 KC7315	G134
B967A14500 KC7315	G134
B967A15000 KC7315	G134
B967A15300 KC7315	G134
B967A15500 KC7315	G134
B967A16000 KC7315	G134
B967A16500 KC7315	G134
B976A03000 KC7315	G138
B976A03100 KC7315	G138
B976A03175 KC7315	G138
B976A03180 KC7315	G138
B976A03200 KC7315	G138
B976A03300 KC7315	G138
B976A03454 KC7315	G138
B976A03500 KC7315	G138
B976A03600 KC7315	G138
B976A03700 KC7315	G138
B976A03734 KC7315	G138
B976A03797 KC7315	G138
B976A03800 KC7315	G138
B976A03900 KC7315	G138
B976A03970 KC7315	G138
B976A04000 KC7315	G138
B976A04039 KC7315	G138
B976A04100 KC7315	G138
B976A04200 KC7315	G138
B976A04300 KC7315	G139
B976A04366 KC7315	G139
B976A04496 KC7315	G139
B976A04500 KC7315	G139
B976A04600 KC7315	G139
B976A04620 KC7315	G139
B976A04700 KC7315	G139
B976A04763 KC7315	G139
B976A04800 KC7315	G139
B976A04900 KC7315	G139
B976A05000 KC7315	G139
B976A05100 KC7315	G139
B976A05106 KC7315	G139
B976A05200 KC7315	G139
B976A05250 KC7315	G139
B976A05300 KC7315	G139
B976A05400 KC7315	G139
B976A05410 KC7315	G139
B976A05500 KC7315	G139
B976A05530 KC7315	G139
B976A05558 KC7315	G139
B976A05575 KC7315	G139
B976A05600 KC7315	G139
B976A05700 KC7315	G139
B976A05791 KC7315	G139
B976A05800 KC7315	G139
B976A05944 KC7315	G139
B976A06000 KC7315	G139
B976A06100 KC7315	G139
B976A06200 KC7315	G139
B976A06350 KC7315	G139
B976A06500 KC7315	G139
B976A06528 KC7315	G139
B976A06530 KC7315	G139
B976A06600 KC7315	G139
B976A06700 KC7315	G139
B976A06746 KC7315	G139
B976A06750 KC7315	G139
B976A06800 KC7315	G139
B976A06900 KC7315	G139
B976A06909 KC7315	G139
B976A07000 KC7315	G139
B976A07100 KC7315	G139
B976A07145 KC7315	G139
B976A07200 KC7315	G140
B976A07300 KC7315	G140
B976A07366 KC7315	G140
B976A07400 KC7315	G140
B976A07500 KC7315	G140
B976A07541 KC7315	G140
B976A07600 KC7315	G140
B976A07700 KC7315	G140
B976A07800 KC7315	G140
B976A07900 KC7315	G140
B976A07938 KC7315	G140
B976A08000 KC7315	G140
B976A08020 KC7315	G140
B976A08100 KC7315	G140
B976A08200 KC7315	G140
B976A08300 KC7315	G140
B976A08334 KC7315	G140
B976A08430 KC7315	G140
B976A08433 KC7315	G140
B976A08500 KC7315	G140
B976A08600 KC7315	G140
B976A08700 KC7315	G140
B976A08733 KC7315	G140
B976A08800 KC7315	G140
B976A08839 KC7315	G140
B976A09000 KC7315	G140
B976A09093 KC7315	G140
B976A09100 KC7315	G140
B976A09129 KC7315	G140
B976A09200 KC7315	G140
B976A09300 KC7315	G140
B976A09400 KC7315	G140
B976A09500 KC7315	G140
B976A09525 KC7315	G140
B976A09600 KC7315	G140
B976A09700 KC7315	G140
B976A09750 KC7315	G140
B976A09800 KC7315	G140
B976A09921 KC7315	G140
B976A10000 KC7315	G140
B976A10200 KC7315	G140
B976A10262 KC7315	G140
B976A10300 KC7315	G140
B976A10320 KC7315	G140
B976A10400 KC7315	G140
B976A10500 KC7315	G140
B976A10600 KC7315	G141
B976A10700 KC7315	G141
B976A10716 KC7315	G141
B976A10800 KC7315	G141
B976A11000 KC7315	G141
B976A11113 KC7315	G141
B976A11200 KC7315	G141
B976A11300 KC7315	G141
B976A11500 KC7315	G141
B976A11509 KC7315	G141
B976A11600 KC7315	G141
B976A11700 KC7315	G141
B976A11800 KC7315	G141
B976A11908 KC7315	G141
B976A12000 KC7315	G141
B976A12300 KC7315	G141
B976A12304 KC7315	G141
B976A12500 KC7315	G141
B976A12700 KC7315	G141
B976A12800 KC7315	G141
B976A13000 KC7315	G141
B976A13300 KC7315	G141
B976A13495 KC7315	G141
B976A13500 KC7315	G141
B976A13700 KC7315	G141
B976A14000 KC7315	G141
B976A14100 KC7315	G141
B976A14200 KC7315	G141
B976A14288 KC7315	G141
B976A14500 KC7315	G141
B976A14700 KC7315	G141
B976A15000 KC7315	G141
B976A15500 KC7315	G141
B976A15875 KC7315	G142
B976A16000 KC7315	G142
B976A16200 KC7315	G142
B976A16500 KC7315	G142
B976A16670 KC7315	G142
B976A16800 KC7315	G142
B976A17000 KC7315	G142
B976A17100 KC7315	G142
B976A17463 KC7315	G142
B976A17500 KC7315	G142
B976A18000 KC7315	G142
B976A18500 KC7315	G142
B976A19000 KC7315	G142
B976A19050 KC7315	G142
B976A19500 KC7315	G142
B976A19700 KC7315	G142
B976A19840 KC7315	G142
B976A20000 KC7315	G142
B976F03000 KC7315	G143
B976F03900 KC7315	G143
B976F04200 KC7315	G143
B976F04500 KC7315	G143
B976F04600 KC7315	G143
B976F05000 KC7315	G143
B976F05100 KC7315	G143
B976F05200 KC7315	G143
B976F05500 KC7315	G143
B976F05600 KC7315	G143
B976F05800 KC7315	G144
B976F06000 KC7315	G144
B976F06300 KC7315	G144
B976F06400 KC7315	G144
B976F06800 KC7315	G144
B976F07000 KC7315	G144
B976F07100 KC7315	G144
B976F07800 KC7315	G144
B976F08000 KC7315	G144
B976F08300 KC7315	G144
B976F08500 KC7315	G144
B976F08600 KC7315	G144
B976F08700 KC7315	G144
B976F08800 KC7315	G144
B976F09000 KC7315	G144
B976F10000 KC7315	G144
B976F10200 KC7315	G144
B976F10500 KC7315	G144
B976F10700 KC7315	G144
B976F10800 KC7315	G144
B976F11000 KC7315	G144
B976F11700 KC7315	G144
B976F12000 KC7315	G144
B976F12500 KC7315	G144
B976F12700 KC7315	G144
B976F13000 KC7315	G144
B976F13500 KC7315	G145
B976F13700 KC7315	G145
B976F14000 KC7315	G145
B976F14500 KC7315	G145
B976F15000 KC7315	G145
B976F15400 KC7315	G145
B976F16000 KC7315	G145
B976F16500 KC7315	G145
B976F17000 KC7315	G145
B976F17500 KC7315	G145
B976F18000 KC7315	G145
B976F18500 KC7315	G145
B976Z02383 KC7315	G138
B976Z02400 KC7315	G138
B976Z02439 KC7315	G138
B976Z02489 KC7315	G138
B976Z02500 KC7315	G138
B976Z02578 KC7315	G138
B976Z02600 KC7315	G138
B976Z02642 KC7315	G138
B976Z02705 KC7315	G138
B976Z02779 KC7315	G138
B976Z02800 KC7315	G138
B976Z02820 KC7315	G138
B976Z02870 KC7315	G138
B976Z02900 KC7315	G138
B976Z02947 KC7315	G138
B977A03000 KC7315	G138
B977A03100 KC7315	G138
B977A03175 KC7315	G138
B977A03200 KC7315	G138
B977A03250 KC7315	G138
B977A03300 KC7315	G138
B977A03400 KC7315	G138
B977A03454 KC7315	G138
B977A03500 KC7315	G138
B977A03600 KC7315	G138
B977A03700 KC7315	G138
B977A03734 KC7315	G138
B977A03797 KC7315	G138
B977A03800 KC7315	G138
B977A03900 KC7315	G138
B977A03970 KC7315	G138
B977A04000 KC7315	G138
B977A04039 KC7315	G138
B977A04100 KC7315	G138
B977A04200 KC7315	G138
B977A04300 KC7315	G139
B977A04366 KC7315	G139
B977A04400 KC7315	G139
B977A04496 KC7315	G139
B977A04500 KC7315	G139
B977A04580 KC7315	G139
B977A04600 KC7315	G139
B977A04623 KC7315	G139
B977A04650 KC7315	G139
B977A04700 KC7315	G139
B977A04763 KC7315	G139
B977A04800 KC7315	G139
B977A04900 KC7315	G139
B977A05000 KC7315	G139
B977A05100 KC7315	G139
B977A05106 KC7315	G139
B977A05200 KC7315	G139
B977A05300 KC7315	G139
B977A05400 KC7315	G139
B977A05410 KC7315	G139
B977A05500 KC7315	G139
B977A05558 KC7315	G139
B977A05600 KC7315	G139
B977A05700 KC7315	G139
B977A05791 KC7315	G139
B977A05800 KC7315	G139
B977A05900 KC7315	G139
B977A05944 KC7315	G139
B977A06000 KC7315	G139
B977A06100 KC7315	G139
B977A06150 KC7315	G139
B977A06200 KC7315	G139
B977A06300 KC7315	G139
B977A06350 KC7315	G139
B977A06400 KC7315	G139

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B977A06500 KC7315	G139
B977A06528 KC7315	G139
B977A06600 KC7315	G139
B977A06700 KC7315	G139
B977A06800 KC7315	G139
B977A06900 KC7315	G139
B977A06909 KC7315	G139
B977A07000 KC7315	G139
B977A07100 KC7315	G139
B977A07145 KC7315	G139
B977A07200 KC7315	G140
B977A07300 KC7315	G140
B977A07366 KC7315	G140
B977A07400 KC7315	G140
B977A07500 KC7315	G140
B977A07541 KC7315	G140
B977A07600 KC7315	G140
B977A07700 KC7315	G140
B977A07800 KC7315	G140
B977A07900 KC7315	G140
B977A07938 KC7315	G140
B977A08000 KC7315	G140
B977A08020 KC7315	G140
B977A08100 KC7315	G140
B977A08200 KC7315	G140
B977A08300 KC7315	G140
B977A08334 KC7315	G140
B977A08400 KC7315	G140
B977A08433 KC7315	G140
B977A08500 KC7315	G140
B977A08600 KC7315	G140
B977A08700 KC7315	G140
B977A08733 KC7315	G140
B977A08800 KC7315	G140
B977A08839 KC7315	G140
B977A08900 KC7315	G140
B977A09000 KC7315	G140
B977A09093 KC7315	G140
B977A09100 KC7315	G140
B977A09129 KC7315	G140
B977A09200 KC7315	G140
B977A09300 KC7315	G140
B977A09347 KC7315	G140
B977A09400 KC7315	G140
B977A09500 KC7315	G140
B977A09525 KC7315	G140
B977A09600 KC7315	G140
B977A09700 KC7315	G140
B977A09746 KC7315	G140
B977A09800 KC7315	G140
B977A09900 KC7315	G140
B977A09921 KC7315	G140
B977A10000 KC7315	G140
B977A10100 KC7315	G140
B977A10200 KC7315	G140
B977A10262 KC7315	G140
B977A10300 KC7315	G140
B977A10320 KC7315	G140
B977A10400 KC7315	G140
B977A10500 KC7315	G140
B977A10600 KC7315	G141
B977A10700 KC7315	G141
B977A10716 KC7315	G141
B977A10800 KC7315	G141
B977A10900 KC7315	G141
B977A11000 KC7315	G141
B977A11100 KC7315	G141
B977A11113 KC7315	G141
B977A11200 KC7315	G141
B977A11300 KC7315	G141
B977A11400 KC7315	G141
B977A11500 KC7315	G141
B977A11509 KC7315	G141
B977A11600 KC7315	G141
B977A11700 KC7315	G141
B977A11800 KC7315	G141
B977A11900 KC7315	G141
B977A11908 KC7315	G141
B977A12000 KC7315	G141
B977A12100 KC7315	G141
B977A12200 KC7315	G141
B977A12300 KC7315	G141
B977A12304 KC7315	G141
B977A12400 KC7315	G141
B977A12500 KC7315	G141
B977A12600 KC7315	G141
B977A12700 KC7315	G141
B977A12800 KC7315	G141
B977A12900 KC7315	G141
B977A13000 KC7315	G141
B977A13096 KC7315	G141
B977A13100 KC7315	G141
B977A13200 KC7315	G141
B977A13300 KC7315	G141
B977A13495 KC7315	G141
B977A13500 KC7315	G141
B977A13700 KC7315	G141
B977A13800 KC7315	G141
B977A14000 KC7315	G141
B977A14100 KC7315	G141
B977A14200 KC7315	G141
B977A14288 KC7315	G141
B977A14500 KC7315	G141
B977A14600 KC7315	G141
B977A14700 KC7315	G141
B977A14900 KC7315	G141
B977A15000 KC7315	G141
B977A15100 KC7315	G141
B977A15200 KC7315	G141
B977A15300 KC7315	G141
B977A15500 KC7315	G141
B977A15700 KC7315	G141
B977A15800 KC7315	G142
B977A15875 KC7315	G142
B977A15900 KC7315	G142
B977A16000 KC7315	G142
B977A16078 KC7315	G142
B977A16200 KC7315	G142
B977A16300 KC7315	G142
B977A16400 KC7315	G142
B977A16500 KC7315	G142
B977A16600 KC7315	G142
B977A16670 KC7315	G142
B977A16700 KC7315	G142
B977A17000 KC7315	G142
B977A17463 KC7315	G142
B977A17500 KC7315	G142
B977A17700 KC7315	G142
B977A18000 KC7315	G142
B977A18400 KC7315	G142
B977A18500 KC7315	G142
B977A18600 KC7315	G142
B977A18800 KC7315	G142
B977A19000 KC7315	G142
B977A19050 KC7315	G142
B977A19200 KC7315	G142
B977A19253 KC7315	G142
B977A19446 KC7315	G142
B977A19500 KC7315	G142
B977A19700 KC7315	G142
B977A19840 KC7315	G142
B977A20000 KC7315	G142
B977A21000 KC7315	G142
B977F03000 KC7315	G143
B977F03100 KC7315	G143
B977F03200 KC7315	G143
B977F03300 KC7315	G143
B977F03400 KC7315	G143
B977F03500 KC7315	G143
B977F03600 KC7315	G143
B977F03700 KC7315	G143
B977F03800 KC7315	G143
B977F03900 KC7315	G143
B977F04000 KC7315	G143
B977F04100 KC7315	G143
B977F04200 KC7315	G143
B977F04300 KC7315	G143
B977F04500 KC7315	G143
B977F04550 KC7315	G143
B977F04600 KC7315	G143
B977F04650 KC7315	G143
B977F04700 KC7315	G143
B977F04800 KC7315	G143
B977F04900 KC7315	G143
B977F05000 KC7315	G143
B977F05100 KC7315	G143
B977F05200 KC7315	G143
B977F05300 KC7315	G143
B977F05400 KC7315	G143
B977F05500 KC7315	G143
B977F05550 KC7315	G143
B977F05558 KC7315	G143
B977F05600 KC7315	G143
B977F05700 KC7315	G143
B977F05800 KC7315	G144
B977F05900 KC7315	G144
B977F06000 KC7315	G144
B977F06100 KC7315	G144
B977F06200 KC7315	G144
B977F06400 KC7315	G144
B977F06500 KC7315	G144
B977F06600 KC7315	G144
B977F06700 KC7315	G144
B977F06800 KC7315	G144
B977F06900 KC7315	G144
B977F07000 KC7315	G144
B977F07100 KC7315	G144
B977F07400 KC7315	G144
B977F07500 KC7315	G144
B977F07800 KC7315	G144
B977F08000 KC7315	G144
B977F08100 KC7315	G144
B977F08200 KC7315	G144
B977F08500 KC7315	G144
B977F08600 KC7315	G144
B977F08700 KC7315	G144
B977F08800 KC7315	G144
B977F09000 KC7315	G144
B977F09100 KC7315	G144
B977F09300 KC7315	G144
B977F09500 KC7315	G144
B977F09800 KC7315	G144
B977F09900 KC7315	G144
B977F10000 KC7315	G144
B977F10100 KC7315	G144
B977F10200 KC7315	G144
B977F10300 KC7315	G144
B977F10400 KC7315	G144
B977F10500 KC7315	G144
B977F10700 KC7315	G144
B977F10800 KC7315	G144
B977F11000 KC7315	G144
B977F11200 KC7315	G144
B977F11500 KC7315	G144
B977F11700 KC7315	G144
B977F11800 KC7315	G144
B977F12000 KC7315	G144
B977F12500 KC7315	G144
B977F12700 KC7315	G144
B977F13000 KC7315	G144
B977F13500 KC7315	G145
B977F13800 KC7315	G145
B977F14000 KC7315	G145
B977F14200 KC7315	G145
B977F14500 KC7315	G145
B977F15000 KC7315	G145
B977F15200 KC7315	G145
B977F15500 KC7315	G145
B977F15700 KC7315	G145
B977F15800 KC7315	G145
B977F16000 KC7315	G145
B977F16500 KC7315	G145
B977F17000 KC7315	G145
B977F17500 KC7315	G145
B977F18000 KC7315	G145
B977F18500 KC7315	G145
B977F19000 KC7315	G145
B977F19500 KC7315	G145
B977F20000 KC7315	G145
B977F21000 KC7315	G145
B978A03000 KC7315	G146
B978A03300 KC7315	G146
B978A03400 KC7315	G146
B978A03600 KC7315	G146
B978A03700 KC7315	G146
B978A03800 KC7315	G146
B978A03970 KC7315	G146
B978A04000 KC7315	G146
B978A04200 KC7315	G146
B978A04500 KC7315	G146
B978A04600 KC7315	G146
B978A04763 KC7315	G146
B978A04800 KC7315	G146
B978A05000 KC7315	G146
B978A05100 KC7315	G146
B978A05200 KC7315	G146
B978A05300 KC7315	G146
B978A05500 KC7315	G146
B978A05558 KC7315	G146
B978A05600 KC7315	G146
B978A05700 KC7315	G146
B978A05800 KC7315	G146
B978A05900 KC7315	G146
B978A06000 KC7315	G146
B978A06100 KC7315	G146
B978A06200 KC7315	G146
B978A06300 KC7315	G146
B978A06350 KC7315	G146
B978A06400 KC7315	G146
B978A06500 KC7315	G146
B978A06600 KC7315	G146
B978A06700 KC7315	G146
B978A06746 KC7315	G146
B978A06800 KC7315	G146
B978A07000 KC7315	G146
B978A07145 KC7315	G146
B978A07400 KC7315	G147
B978A07500 KC7315	G147
B978A07541 KC7315	G147
B978A07700 KC7315	G147
B978A07800 KC7315	G147
B978A07938 KC7315	G147
B978A08000 KC7315	G147
B978A08100 KC7315	G147
B978A08200 KC7315	G147
B978A08334 KC7315	G147
B978A08500 KC7315	G147
B978A08600 KC7315	G147
B978A08700 KC7315	G147
B978A08733 KC7315	G147
B978A08800 KC7315	G147
B978A09000 KC7315	G147
B978A09100 KC7315	G147
B978A09129 KC7315	G147
B978A09300 KC7315	G147
B978A09500 KC7315	G147
B978A09525 KC7315	G147
B978A09700 KC7315	G147
B978A09750 KC7315	G147
B978A09800 KC7315	G147
B978A09900 KC7315	G147
B978A09921 KC7315	G147
B978A10000 KC7315	G147
B978A10100 KC7315	G147
B978A10200 KC7315	G147
B978A10300 KC7315	G147
B978A10320 KC7315	G147
B978A10500 KC7315	G147
B978A10716 KC7315	G147
B978A10800 KC7315	G147
B978A11000 KC7315	G147
B978A11113 KC7315	G147
B978A11200 KC7315	G147
B978A11300 KC7315	G147
B978A11400 KC7315	G147
B978A11500 KC7315	G147
B978A11509 KC7315	G147
B978A11700 KC7315	G147
B978A11800 KC7315	G147
B978A11908 KC7315	G147
B978A12000 KC7315	G147
B978A12304 KC7315	G147
B978A12500 KC7315	G147
B978A12700 KC7315	G147
B978A12800 KC7315	G148
B978A13000 KC7315	G148
B978A13100 KC7315	G148
B978A13500 KC7315	G148

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
B978A14000 KC7315	G148
B978A14288 KC7315	G148
B978A14500 KC7315	G148
B978A15000 KC7315	G148
B978A15100 KC7315	G148
B978A15200 KC7315	G148
B978A15300 KC7315	G148
B978A15500 KC7315	G148
B978A15800 KC7315	G148
B978A15875 KC7315	G148
B978A16000 KC7315	G148
B978A16078 KC7315	G148
B978A16200 KC7315	G148
B978A16500 KC7315	G148
B978A17000 KC7315	G148
B978A17463 KC7315	G148
B978A17500 KC7315	G148
B978A18000 KC7315	G148
B978A18500 KC7315	G148
B978A19000 KC7315	G148
B978A19050 KC7315	G148
B978A19253 KC7315	G148
B978A19500 KC7315	G148
B978A19800 KC7315	G148
B978A19840 KC7315	G148
B978A20000 KC7315	G148
B978F03600 KC7315	G149
B978F04700 KC7315	G149
B978F05000 KC7315	G149
B978F06800 KC7315	G149
B978F07000 KC7315	G149
B978F07400 KC7315	G149
B978F07500 KC7315	G149
B978F08500 KC7315	G149
B978F09000 KC7315	G149
B978F09500 KC7315	G149
B978F10200 KC7315	G149
B978F12000 KC7315	G149
B978F12500 KC7315	G149
B978F13000 KC7315	G149
B978F14000 KC7315	G149
B978F14500 KC7315	G149
B978F15000 KC7315	G149
B978F16000 KC7315	G149
B978F17000 KC7315	G149
B978F17500 KC7315	G149
B978F18000 KC7315	G149
B978F20000 KC7315	G149
BGHX15L504ERGET KD1415	S149
BGHX15L504PCFRGG K110M	S149
BGHX15L508PCFRGG K110M	S149
BGHX15L508PCFRGG KC510M	S149
BGHX15L515PCFRGG K110M	S149
BGHX15L515PCFRGG KC510M	S149
BGHX15L5PCERGGT KD1410	S148
BGHX15L5PCERGGT KD1415	S148
BGHX15L5PCERGGT1W KD1415	S149
BGHX15L5PCERGGTM KD1410	S148
BGHX15L5PCFRGG K110M	S148
BGHX15L5PCFRGG KC510M	S148
BGHX15L5PCFRGG1W K110M	S149
BGHX15L5PCFRGG1W KC510M	S149
BGHX15L5PCSRLET KD1410	S148
BGHX15L5PCSRLET KD1415	S148
BGHX15L5PCTRGG K110M	S148
BGHX15L5PCTRGG KC510M	S148
BGHX15L5PCTRGG1W K110M	S149
BGHX15L5PCTRGG1W KC510M	S149
BGHX15L5PCTRHET KD1410	S148
BS32S	B386
BS40T	B386
BS50U	B386
BSD32U	B386
BSD40V	B386
BSD50W	B386
BT40BDL10049M	053
BT40BDL12049M	053
BT40BDL16058M	053
BT40BDL20058M	053
BT40BDL25060M	053
BT40BDL32068M	053
BT40BEWD20096M	J47
BT40BEWD32114M	J47
BT40BKR32030M	K86
BT40BKR50050M	K86
BT40BSIF80063M	K44
BT40FBHM1691	K129
BT40FBHMKIT164M	K123, K127
BT40RMEWD32114M	J47
BT50BEWD32127M	J47
BT50BHTS22075M	J80
BT50BHTS32080M	J80
BT50BHTS40080M	J80
BT50BHTS50080M	J80
BT50BKR32040M	K86
BT50BKR50040M	K86
BT50BKR63060M	K86
BT50BKR80060M	K86
BT50BSIF100068M	K45
BT50BSIF70063M	K45
BT50BT13088	K138
BTQSW3L90	S32–33
BTQT25	S116, S120, S122
C2FIX110404LMN KCU25	E8
C2FIX110404RMN KCU10	E8
C2FIX110405LMN KCP25	E8
C2FIX110405LMN KCP40	E8
C2FIX110405LMN KCU10	E8
C2FIX110405RMN KCP25	E8
C2FIX110405RMN KCP40	E8
C2FIX110408LMN KCP25	E8
C2FIX150504LMN KCP40	E8
C2FIX150504LMN KCU25	E8
C2FIX150505LMN KCP25	E8
C2FIX150505LMN KCP40	E8
C2FIX150505LMN KCU10	E8
C2FIX150505RMN KCP25	E8
C2FIX150508LMN KCP25	E8
C2FIX150508LMN KCU10	E8
C2FIX150508LMN KCU25	E8
C2FIX150510LMN KCP25	E8
C2FIX150510LMN KCP40	E8
C2FIX150510RMN KCP25	E8
C2FIX150512RMN KCU25	E8
C2FIX180610LMN KCP25	E8
C2FIX180610LMN KCP40	E8
C2FIX180610LMN KCU10	E8
C8FIX120503LMP KCP10	E12
C8FIX120503LMP KCP25	E12
C8FIX120503LMP KCU10	E12
C8FIX120503RMP KCP25	E12
C8FIX120503RMP KCU10	E12
C8FIX120503RMP KCU25	E12
C8FIX120503RRP KCP25	E12
C8FIX120503RRP KCP40	E12
C8FIX120504RRP KCP10	E12
C8FIX120504RRP KCP25	E12
C8FIX120505RRP KCP25	E12
C8FIX120505RRP KCU25	E12
C8FIX120508LRP KCP25	E12
C8FIX120508LRP KCP40	E12
C8FIX120508RRP KCP10	E12
C8FIX120508RRP KCP25	E12
C8FIX150603LMP KCP25	E12
C8FIX150603RMP KCP10	E12
C8FIX150603RMP KCP25	E12
C8FIX150603RMP KCP40	E12
C8FIX150603RMP KCU10	E12
C8FIX150603RMP KCU25	E12
C8FIX150605LRN KCP25	E11
C8FIX150605LRN KCP40	E11
C8FIX150605LRN KCU25	E11
C8FIX150605RRN KCP10	E11
C8FIX150605RRN KCP25	E11
C8FIX150605RRN KCP40	E11
C8FIX150605RRN KCU10	E11
C8FIX150605RRN KCU25	E11
C8FIX150608LRN KCP25	E11
C8FIX150608LRN KCU25	E11
C8FIX150608LRP KCU25	E12
C8FIX150608RRN KCP10	E11
C8FIX150608RRN KCP25	E11
C8FIX150608RRN KCP40	E11
C8FIX150608RRN KCU25	E11
C8FIX150612LRN KCP25	E11
C8FIX150612LRP KCP25	E12
C8FIX150612RRN KCP25	E11
C8FIX180805RMP KCP25	E12
C8FIX180808RRN KCP25	E11
C8FIX180808RRN KCP40	E11
C8FIX180812LRN KCP25	E11
C8FIX180812RRN KCP25	E11
C8FIX180812RRN KCP40	E11
C8FIX180812RRN KCU25	E11
CBDB0600AXAS KCN05	P132
CBDB0600AXBS KCN05	P132
CBDB1000AXAS KCN05	P132
CBDB1000AXBS KCN05	P132
CBDB1200AXAS KCN05	P132
CBDB1200AXBS KCN05	P132
CBTF150R2WD20N2M	J98
CBTF160R2WD20N2M	J98
CBTF170R2WD20N2M	J98
CBTF180R2WD20N2M	J98
CBTF180R2WD20N3M	J98
CBTF200R2WD20N2M	J98
CBTF200R2WD20N3M	J98
CBTF210R2WD20N2M	J98
CBTF210R2WD20N3M	J98
CBTF220R2WD20N2M	J98
CBTF220R2WD20N3M	J98
CBTF230R2WD20N2M	J98
CBTF230R2WD20N3M	J98
CBTF240R2WD20N2M	J98
CBTF240R2WD20N3M	J98
CBTF250R2WD20N2M	J98
CBTF250R2WD20N3M	J98
CBTF260R2WD20N2M	J98
CBTF270R2WD20N3M	J98
CBTF280R2WD20N3M	J98
CBTF300R2WD20N3M	J98
CBTF320R2WD20N3M	J98
CBTF330R2WD20N3M	J98
CBTF340R2WD32N3M	J98
CBTF350R2WD32N3M	J98
CBTF360R2WD32N3M	J98
CBTF380R2WD32N3M	J98
CBTF400R2WD32N3M	J98
CBTF420R2WD32N3M	J98
CBTF460R2WD32N3M	J98
CC09	B186–187
CC11	B185–187
CCGM09T304S01325MTCB1 KBH20	B308
CCGM09T308S01325MTCB1 KBH20	B308
CCGT060201LF KC5010	B175
CCGT060201LF KC5025	B175
CCGT060201LF KCU10	B175
CCGT060202HP K313	B175
CCGT060202HP KC5025	B175
CCGT060202HP KC5410	B175
CCGT060202HP KCU10	B175
CCGT060202HP KCU25	B175
CCGT060202LF KC5010	B175
CCGT060202LF KC5025	B175
CCGT060202LF KCU10	B175
CCGT060204HP K313	B175
CCGT060204HP KC5010	B175
CCGT060204HP KC5025	B175
CCGT060204HP KC5410	B175
CCGT060204HP KCU10	B175
CCGT060204HP KCU25	B175
CCGT060204LF KC5010	B175
CCGT060204LF KC5025	B175
CCGT060204LF KCU10	B175
CCGT060208HP KC5010	B175
CCGT060208HP KC5410	B175
CCGT060208HP KCU25	B175
CCGT060208LF KC5010	B175
CCGT060208LF KCU10	B175
CCGT0602X0LF KC5025	B175
CCGT09T301LF KC5010	B175
CCGT09T301LF KC5025	B175
CCGT09T301LF KCU10	B175
CCGT09T302HP K313	B175
CCGT09T302HP KC5010	B175
CCGT09T302HP KC5025	B175
CCGT09T302HP KC5410	B175
CCGT09T302HP KCU10	B175
CCGT09T302HP KCU25	B175
CCGT09T302LF KC5010	B175
CCGT09T302LF KC5025	B175
CCGT09T302LF KCU10	B175
CCGT09T304HP K313	B175
CCGT09T304HP KC5010	B175
CCGT09T304HP KC5025	B175
CCGT09T304HP KC5410	B175
CCGT09T304HP KCU10	B175
CCGT09T304HP KCU25	B175
CCGT09T304LF KC5010	B175
CCGT09T304LF KC5025	B175
CCGT09T304LF KC5410	B175
CCGT09T304LF KCU10	B175
CCGT09T308HP KC5010	B175
CCGT09T308HP KC5025	B175
CCGT09T308HP KC5410	B175
CCGT09T308HP KCU10	B175
CCGT09T308HP KCU25	B175
CCGT09T308LF K313	B175
CCGT09T308LF KC5010	B175
CCGT09T308LF KC5025	B175
CCGT09T308LF KCU10	B175
CCGT09T3X0LF KC5025	B175
CCGT120402HP KC5010	B175
CCGT120402HP KCU10	B175
CCGT120402HP KCU25	B175
CCGT120404HP K313	B175
CCGT120404HP KC5010	B175
CCGT120404HP KC5025	B175
CCGT120404HP KC5410	B175
CCGT120404HP KCU10	B175
CCGT120408HP K313	B175
CCGT120408HP KC5010	B175
CCGT120408HP KC5410	B175
CCGT120408HP KCU10	B175
CCGT120408HP KCU25	B175
CCGW060202S01015C KB5630	B290, B308
CCGW060202S01015MT KBH10	B308
CCGW060202S01225MT KBH20	B308
CCGW060204FST KD1400	B344
CCGW060204FST KD1425	B344
CCGW060204S01015C KB5630	B290, B308
CCGW060204S01015MT KBH10	B308
CCGW060204S01225MT KBH20	B308
CCGW09T302S01015MT KBH10	B308
CCGW09T302S01225MT KBH20	B308
CCGW09T304FST KD1400	B344
CCGW09T304FST KD1425	B344
CCGW09T304S01015FWMT KBH20	B308
CCGW09T304S01015MT KB5630	B291, B308
CCGW09T304S01015MT KBH10	B308
CCGW09T304S01015MT KBH20	B308
CCGW09T304S01225MT KBH10	B308
CCGW09T304S01225MT KBH20	B308
CCGW09T308EC KB1345	B290
CCGW09T308FST KD1400	B344
CCGW09T308FST KD1425	B344
CCGW09T308S01015FWMT KBH10	B308
CCGW09T308S01015FWMT KBH20	B308
CCGW09T308S01015MT KB5630	B291, B308
CCGW09T308S01015MT KBH10	B308
CCGW09T308S01015MT KBH20	B308
CCGW09T308S01225MT KBH10	B308
CCGW09T308S01225MT KBH20	B308
CCGW120408S01015MT KBH20	B308
CCKNL2525M12MX7	B356
CCKNR2525M12MX7	B356
CCLNL2525M12-MF4	B358
CCLNL2525M12-MF7	B358
CCLNL2525M12-MN4	B358
CCLNL2525M12-MN7	B358
CCLNL2525M12-MX7	B358
CCLNL3225P12-MN7	B358
CCLNL3225P12-MX7	B358
CCLNR2525M12-MF4	B358
CCLNR2525M12-MF7	B358
CCLNR2525M12-MN4	B358
CCLNR2525M12-MN7	B358
CCLNR2525M12-MX7	B358

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
CCLNR3225P12-MN4	B358
CCLNR3225P12-MN7	B358
CCLNR3225P12-MX7	B358
CCMT060202FP KCM25	B176
CCMT060202FP KCM25B	B176
CCMT060202FP KCP10	B176
CCMT060202FP KCP25	B176
CCMT060202FP KCU10	B176
CCMT060202FP KCU25	B176
CCMT060202FW KC5010	B176
CCMT060202FW KT315	B176
CCMT060202LF KC5010	B177
CCMT060202LF KC5025	B177
CCMT060202LF KT315	B177
CCMT060204 11 KT315	B176
CCMT060204FP KCM15	B176
CCMT060204FP KCM15B	B176
CCMT060204FP KCM25	B176
CCMT060204FP KCM25B	B176
CCMT060204FP KCP05	B176
CCMT060204FP KCP10	B176
CCMT060204FP KCP10B	B176
CCMT060204FP KCP25	B176
CCMT060204FP KCP25B	B176
CCMT060204FP KCU10	B176
CCMT060204FP KCU25	B176
CCMT060204FP KTP10	B176
CCMT060204FW KC5010	B176
CCMT060204FW KCK20B	B176
CCMT060204FW KCP25	B176
CCMT060204FW KCU10	B176
CCMT060204FW KT315	B176
CCMT060204LF K313	B177
CCMT060204LF KC5010	B177
CCMT060204LF KC5025	B177
CCMT060204LF KCK05	B177
CCMT060204LF KCK15	B177
CCMT060204LF KCK15B	B177
CCMT060204LF KCK20	B177
CCMT060204LF KCK20B	B177
CCMT060204LF KCM15	B177
CCMT060204LF KCM15B	B177
CCMT060204LF KCM25	B177
CCMT060204LF KCM25B	B177
CCMT060204LF KCM35	B177
CCMT060204LF KCP10	B177
CCMT060204LF KCP10B	B177
CCMT060204LF KCP25	B177
CCMT060204LF KCP25B	B177
CCMT060204LF KCP30	B177
CCMT060204LF KT315	B177
CCMT060204MF KCK15	B177
CCMT060204MF KCK20	B177
CCMT060204MF KCM15B	B177
CCMT060204MF KCM25	B177
CCMT060204MF KCM25B	B177
CCMT060204MF KCM35	B177
CCMT060204MF KCP10	B177
CCMT060204MF KCP10B	B177
CCMT060204MF KCP25	B177
CCMT060204MF KCP25B	B177
CCMT060204MF KCP30	B177
CCMT060204MP KCM15	B177
CCMT060204MP KCM15B	B177
CCMT060204MP KCM25	B177
CCMT060204MP KCM25B	B177
CCMT060204MP KCP10	B177
CCMT060204MP KCP25	B177
CCMT060204MP KCU10	B177
CCMT060204UF KC5010	B178
CCMT060204UF KCP05	B178
CCMT060204UF KCP10	B178
CCMT060204UF KCP25	B178
CCMT060204UF KCP25B	B178
CCMT060208FP KCM25	B176
CCMT060208FP KCM25B	B176
CCMT060208FP KCP25	B176
CCMT060208FP KCP25B	B176
CCMT060208FP KCU10	B176
CCMT060208FP KCU25	B176
CCMT060208FP KTP10	B176
CCMT060208FW KC5010	B176
CCMT060208FW KCK20	B176
CCMT060208FW KCP25	B176
CCMT060208FW KT315	B176
CCMT060208LF KC5010	B177
CCMT060208LF KC5025	B177
CCMT060208LF KCK05	B177
CCMT060208LF KCK05B	B177
CCMT060208LF KCK15	B177
CCMT060208LF KCK15B	B177
CCMT060208LF KCK20B	B177
CCMT060208LF KCM15B	B177
CCMT060208LF KCM25	B177
CCMT060208LF KCP05	B177
CCMT060208LF KCP10	B177
CCMT060208LF KCP25	B177
CCMT060208LF KCP25B	B177
CCMT060208LF KCP30	B177
CCMT060208LF KT315	B177
CCMT09T302FP KCM25	B176
CCMT09T302FP KCM25B	B176
CCMT09T302FP KCP25	B176
CCMT09T302FP KCP25B	B176
CCMT09T302FP KCU10	B176
CCMT09T302FP KCU25	B176
CCMT09T302FP KTP10	B176
CCMT09T302LF K313	B177
CCMT09T302LF KC5010	B177
CCMT09T302LF KC5025	B177
CCMT09T302LF KT315	B177
CCMT09T302UF KC5010	B178
CCMT09T302UF KCP05	B178
CCMT09T302UF KCP10	B178
CCMT09T30411 KT315	B176
CCMT09T304FP KCM15	B176
CCMT09T304FP KCM15B	B176
CCMT09T304FP KCM25	B176
CCMT09T304FP KCM25B	B176
CCMT09T304FP KCP05	B176
CCMT09T304FP KCP10B	B176
CCMT09T304FP KCP25	B176
CCMT09T304FP KCP25B	B176
CCMT09T304FP KCU10	B176
CCMT09T304FP KCU25	B176
CCMT09T304FP KTP10	B176
CCMT09T304FW KC5010	B176
CCMT09T304FW KCP25	B176
CCMT09T304FW KCU10	B176
CCMT09T304FW KT315	B176
CCMT09T304LF K313	B177
CCMT09T304LF KC5010	B177
CCMT09T304LF KC5025	B177
CCMT09T304LF KCK05	B177
CCMT09T304LF KCK15	B177
CCMT09T304LF KCK15B	B177
CCMT09T304LF KCK20	B177
CCMT09T304LF KCM15B	B177
CCMT09T304LF KCM25	B177
CCMT09T304LF KCM25B	B177
CCMT09T304LF KCM35	B177
CCMT09T304LF KCP10	B177
CCMT09T304LF KCP10B	B177
CCMT09T304LF KCP25	B177
CCMT09T304LF KCP25B	B177
CCMT09T304LF KCP30	B177
CCMT09T304LF KT315	B177
CCMT09T304MF KCK15	B177
CCMT09T304MF KCK15B	B177
CCMT09T304MF KCK20	B177
CCMT09T304MF KCK20B	B177
CCMT09T304MF KCM15B	B177
CCMT09T304MF KCM25	B177
CCMT09T304MF KCM25B	B177
CCMT09T304MF KCP10B	B177
CCMT09T304MF KCP25	B177
CCMT09T304MF KCP25B	B177
CCMT09T304MF KCP30	B177
CCMT09T304MP KCK20B	B177
CCMT09T304MP KCM15B	B177
CCMT09T304MP KCM25	B177
CCMT09T304MP KCM25B	B177
CCMT09T304MP KCP10	B177
CCMT09T304MP KCP25	B177
CCMT09T304MP KCU10	B177
CCMT09T304MW KC5010	B178
CCMT09T304MW KCM15B	B178
CCMT09T304MW KCU10	B178
CCMT09T304MW KT315	B178
CCMT09T304UF KC5010	B178
CCMT09T304UF KCP10	B178
CCMT09T304UF KCP25	B178
CCMT09T30811 KT315	B176
CCMT09T308FP KCM15B	B176
CCMT09T308FP KCM25	B176
CCMT09T308FP KCM25B	B176
CCMT09T308FP KCP10	B176
CCMT09T308FP KCP10B	B176
CCMT09T308FP KCP25	B176
CCMT09T308FP KCP25B	B176
CCMT09T308FP KCU10	B176
CCMT09T308FP KCU25	B176
CCMT09T308FP KTP10	B176
CCMT09T308FW KC5010	B176
CCMT09T308FW KCK20	B176
CCMT09T308FW KCM15B	B176
CCMT09T308FW KCP25	B176
CCMT09T308FW KCU10	B176
CCMT09T308FW KT315	B176
CCMT09T308LF K313	B177
CCMT09T308LF KC5010	B177
CCMT09T308LF KCK05	B177
CCMT09T308LF KCK15	B177
CCMT09T308LF KCK15B	B177
CCMT09T308LF KCK20	B177
CCMT09T308LF KCK20B	B177
CCMT09T308LF KCM15B	B177
CCMT09T308LF KCM25	B177
CCMT09T308LF KCM25B	B177
CCMT09T308LF KCM35	B177
CCMT09T308LF KCP05	B177
CCMT09T308LF KCP10	B177
CCMT09T308LF KCP10B	B177
CCMT09T308LF KCP25	B177
CCMT09T308LF KCP25B	B177
CCMT09T308LF KCP30	B177
CCMT09T308LF KT315	B177
CCMT09T308MF KC5025	B177
CCMT09T308MF KCK15	B177
CCMT09T308MF KCK15B	B177
CCMT09T308MF KCK20	B177
CCMT09T308MF KCK20B	B177
CCMT09T308MF KCM15B	B177
CCMT09T308MF KCM25	B177
CCMT09T308MF KCM25B	B177
CCMT09T308MF KCM35	B177
CCMT09T308MF KCP10B	B177
CCMT09T308MF KCP25	B177
CCMT09T308MF KCP25B	B177
CCMT09T308MF KCP30	B177
CCMT09T308MP KCK20	B177
CCMT09T308MP KCK20B	B177
CCMT09T308MP KCM15B	B177
CCMT09T308MP KCM25	B177
CCMT09T308MP KCM25B	B177
CCMT09T308MP KCP10	B177
CCMT09T308MP KCP25	B177
CCMT09T308MP KCU10	B177
CCMT09T308MW KC5010	B178
CCMT09T308MW KCK20	B178
CCMT09T308MW KCK20B	B178
CCMT09T308MW KCM15B	B178
CCMT09T308MW KCP25	B178
CCMT09T308MW KCU10	B178
CCMT09T308MW KT315	B178
CCMT09T308UF KC5010	B178
CCMT09T308UF KCP10B	B178
CCMT09T312MF KCK15	B177
CCMT09T312MF KCK20	B177
CCMT09T312MF KCK20B	B177
CCMT09T312MF KCM25B	B177
CCMT09T312MF KCP10	B177
CCMT09T312MF KCP25	B177
CCMT09T312MF KCP25B	B177
CCMT09T312MP KCM25	B177
CCMT09T312MP KCP25	B177
CCMT09T312MP KCU10	B177
CCMT120404FP KCM25B	B176
CCMT120404FP KCP10B	B176
CCMT120404FP KCP25B	B176
CCMT120404FP KCU10	B176
CCMT120404FP KCU25	B176
CCMT120404LF KC5010	B177
CCMT120404LF KC5025	B177
CCMT120404LF KCK15B	B177
CCMT120404LF KCK20	B177
CCMT120404LF KCP10	B177
CCMT120404LF KCP25	B177
CCMT120404LF KCP25B	B177
CCMT120404LF KCP30	B177
CCMT120404MW KC5010	B178
CCMT120404MW KCP25	B178
CCMT120408FP KCM25	B176
CCMT120408FP KCP25B	B176
CCMT120408FP KCU10	B176
CCMT120408LF KC5010	B177
CCMT120408LF KC5025	B177
CCMT120408LF KCK15	B177
CCMT120408LF KCK20	B177
CCMT120408LF KCK20B	B177
CCMT120408LF KCM25B	B177
CCMT120408LF KCM35	B177
CCMT120408LF KCP10	B177
CCMT120408LF KCP10B	B177
CCMT120408LF KCP25	B177
CCMT120408LF KCP25B	B177
CCMT120408MF KCK15	B177
CCMT120408MF KCK15B	B177
CCMT120408MF KCK20	B177
CCMT120408MF KCK20B	B177
CCMT120408MF KCM15B	B177
CCMT120408MF KCM25	B177
CCMT120408MF KCM25B	B177
CCMT120408MF KCM35	B177
CCMT120408MF KCP10	B177
CCMT120408MF KCP10B	B177
CCMT120408MF KCP25	B177
CCMT120408MF KCP25B	B177
CCMT120408MF KCP30	B177
CCMT120408MP KCK20	B177
CCMT120408MP KCK20B	B177
CCMT120408MP KCM25B	B177
CCMT120408MP KCP10	B177
CCMT120408MP KCP25	B177
CCMT120408MP KCU10	B177
CCMT120408MW KC5010	B178
CCMT120408MW KCK20B	B178
CCMT120408MW KCP25	B178
CCMT120412FP KCP10	B176
CCMT120412LF KCK20B	B177
CCMT120412LF KCM25	B177
CCMT120412LF KCP10	B177
CCMT120412LF KCP25B	B177
CCMT120412MF KC5025	B177
CCMT120412MF KCK15	B177
CCMT120412MF KCK20	B177
CCMT120412MF KCP25	B177
CCMT120412MF KCP25B	B177
CCMT120412MP KCK20	B177
CCMT120412MP KCM25	B177
CCMT120412MP KCM25B	B177
CCMT120412MP KCP25	B177
CCMW060204 KCK20B	B178
CCMW09T308 KCK20	B178
CCMW09T308 KCK20B	B178
CCMW120408 KCK20	B178
CCMW120408 KCK20B	B178
CCMW120412 KCK20	B178
CCMW120412 KCK20B	B178
CCNC0600A3AH KCN05	P130
CCNC0600A3BH KCN05	P130
CCNC1000A4AH KCN05	P130
CCNC1000A4BH KCN05	P130
CCNC1200A4AH KCN05	P130
CCNC1200A4BH KCN05	P130
CCRNL2525M12-MN7	B359
CCRNR3225P12-MN7	B359
CDDC0600A6AH KCN05	P131

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
CDDC0600A6BH KCN05	P131
CDDC1000A6AH KCN05	P131
CDDC1000A6BH KCN05	P131
CDDC1200A6AH KCN05	P131
CDDC1200A6BH KCN05	P131
CDHBS4T002 K313	B184
CDHBS4T002 KC5010	B184
CDHBS4T002 KC5025	B184
CDHBS4T002 KCU10	B184
CDHBS4T002 KCU25	B184
CDHBS4T002 KT315	B184
CDHBS4T002FST KD1400	B344
CDHBS4T002FST KD1425	B344
CDHBS4T004 KC5010	B184
CDHBS4T004 KC5025	B184
CDHBS4T004 KCU10	B184
CDHBS4T004 KCU25	B184
CDHBS4T004 KT315	B184
CDHBS4T0S0 KC5010	B184
CDHBS4T0S0 KC5025	B184
CDHBS4T0S0 KCU25	B184
CDHBS4T0X0 KCU10	B184
CDHBS4T0X0FST KD1400	B344
CDHHS4T002L KC5010	B184
CDHHS4T002L KC5025	B184
CDHHS4T002L KCU10	B184
CDHHS4T002L KCU25	B184
CDHHS4T002L KT315	B184
CDHHS4T002R KC5010	B184
CDHHS4T002R KC5025	B184
CDHHS4T002R KCU10	B184
CDHHS4T002R KT315	B184
CDHHS4T004L KC5010	B184
CDHHS4T004L KC5025	B184
CDHHS4T004L KCU10	B184
CDHHS4T004L KCU25	B184
CDHHS4T004R KC5010	B184
CDHHS4T004R KCU10	B184
CDHNR2525M12-MX7	B359
CDJNL2525M12-MX7	B360
CDJNL2525M15MN7	B360
CDJNL2525M15MX7	B360
CDJNL3225P15MN7	B360
CDJNR2525M15-MX7	B360
CDJNR2525M15MN7	B360
CDJNR3225P15MN7	B360
CELNL2525M13MN7	B361
CELNR2525M13-MX7	B361
CELNR2525M13MF7	B361
CELNR2525M13MN7	B361
CFB10082	K131
CFB12096	K131
CFB14110	K131
CFB16120	K131
CFB18140	K131
CFM0402R00RHP KCU40	H34
CFM0402R30RHP KCU40	H34
CFM0402R45RHP KCU40	H34
CKM10	B170, B173–174, B353–355, B371
CKM12	B61–63, B67–68, B91, B108–110, B114
CKM13	B172, B354
CKM19	B109, B172–174, B355, B371
CKM20	B68, B134, B164
CKM21	B61–63, B67–68, B95, B108–110, B114, B133–134, B137
CKM22	B86, B90–91, B153
CKM26	B151–152
CKM31	B151–153
CKM34	B70–72, B92–93, B115–119, B139–141, B375–378
CKM35	B72, B115, B139–141, B378
CKM36	B70, B92–93, B115–119
CKM37	B72, B115–117, B119
CKM41	B72, B92
CKM6	B62, B67, B151, B162, B164
CKM7	B86, B90, B162, B172, B354
CKM9	B133–134, B170, B173, B353–355
CM-72	D31–33, D39
CM105	E40–41
CM106	E40–41
CM109	C170, D37
CM113	E38–40, E42–43
CM114	E38–39, E42
CM120	D32
CM121	D32
CM146	C169, D36, D39–40
CM147	C169, D36, D39–40
CM158	E37–38
CM159	E37–38, E42
CM180	E36
CM182	C167, D27
CM183	C167, D27
CM184LP	C167, D27
CM185LP	C167, D27
CM209R ASSY	B58–60, B66, B105
CM210R ASSY	B59–60, B105
CM214	B168, B370
CM215R ASSY	B149–150, B152
CM216	B168, B370
CM217	B168, B370
CM219	B168, B370
CM234R ASSY	B58–60, B66, B85, B89–90, B105–107, B132, B137, B152, B161, B163
CM236R ASSY	B105–106
CM66	E37, E41
CM68	E36, E40
CM72LP	C166, C168–169, C171, D28–30, D36, D41–42
CM73	D31–33, D39
CM73LP	C166, C168–169, D28–30, D36
CM74	C166, C168–171, D28–31, D33, D36–37, D39, D41–42
CM75	C166, C168–171, D28–31, D33, D36–37, D39, D41–42
CM80	D32
CM81	D32
CNGA120404E KD1405	B344
CNGA120404FST KD1400	B344
CNGA120404FST KD1425	B344
CNGA120404S01015FWMT KBH10	B310
CNGA120404S01015FWMT KBH20	B310
CNGA120404S01015MT KBH10	B310
CNGA120404S01015MT KBH20	B310
CNGA120404S01025FWMT KB5630	B289, B310
CNGA120404S01025MT KB5630	B290, B310
CNGA120404S01225MT KBH20	B310
CNGA120404S01735MT KBH20	B310
CNGA120404T02020 KY1615	B309
CNGA120408E KD1405	B344
CNGA120408E KYS25	B332
CNGA120408E KYS30	B332
CNGA120408FST KD1400	B344
CNGA120408FST KD1425	B344
CNGA120408S01015FWMT KBH10	B310
CNGA120408S01015FWMT KBH20	B310
CNGA120408S01015MT KBH10	B310
CNGA120408S01015MT KBH20	B310
CNGA120408S01020MT KB1345	B290
CNGA120408S01025FWMT KB5630	B289, B310
CNGA120408S01025MT KB5630	B290, B310
CNGA120408S01225FWMT KBH10	B310
CNGA120408S01225MT KBH10	B310
CNGA120408S01225MT KBH20	B310
CNGA120408S01735MT KBH10	B310
CNGA120408S01735MT KBH20	B310
CNGA120408S02020MT KB1345	B290
CNGA120408T00520 KY1615	B309
CNGA120408T01020 KYS25	B332
CNGA120408T01020 KYS30	B332
CNGA120408T01020FW KY3500	B293
CNGA120408T01020FW KYK25	B293
CNGA120408T02020 KY1615	B309
CNGA120408T02020 KY3500	B292
CNGA120408T02020 KYK10	B292
CNGA120408T02020 KYK25	B292
CNGA120412S01015FWMT KBH20	B310
CNGA120412S01015MT KBH10	B310
CNGA120412S01015MT KBH20	B310
CNGA120412S01020MT KB5630	B290, B310
CNGA120412S01025MT KB5630	B290, B310
CNGA120412S01225FWMT KBH10	B310
CNGA120412S01225MT KBH10	B310
CNGA120412S01225MT KBH20	B310
CNGA120412S01735MT KBH10	B310
CNGA120412S01735MT KBH20	B310
CNGA120412T01020 KYS25	B332
CNGA120412T01020 KYS30	B332
CNGA120412T01020FW KY3500	B293
CNGA120412T01020FW KYK10	B293
CNGA120412T01020FW KYK25	B293
CNGA120412T02020 KY1615	B309
CNGA120412T02020 KY3500	B292
CNGA120412T02020 KYK10	B292
CNGA120412T02020 KYK25	B292
CNGA120412T02020FW KYK10	B293
CNGA120416T01020FW KY3500	B293
CNGA120416T02020 KY1615	B309
CNGA120416T02020 KY3500	B292
CNGA120416T02020 KYK10	B292
CNGA120416T02020 KYK25	B292
CNGA160612T02020 KY1615	B309
CNGA160612T02020 KY3500	B292
CNGA160612T02020 KYK25	B292
CNGA160616T02020 KY3500	B292
CNGA190612T02020 KY1615	B309
CNGA190612T02020 KY3500	B292
CNGA190616T02020 KY1615	B309
CNGA190616T02020 KY3500	B292
CNGA190616T02020 KYK25	B292
CNGF120408 KB1340	B286
CNGG120401FS KC5010	B46
CNGG120401FS KCU10	B46
CNGG120401LF KC5010	B46
CNGG120401LF KCU10	B46
CNGG120402FS KC5010	B46
CNGG120402FS KCU10	B46
CNGG120402FS KCU25	B46
CNGG120402LF KC5010	B46
CNGG120402LF KCU10	B46
CNGG120404FS KC5010	B46
CNGG120404FS KC5025	B46
CNGG120404FS KCU10	B46
CNGG120404FS KCU25	B46
CNGG120404LF KC5010	B46
CNGG120404LF KCU10	B46
CNGG120408FS KC5010	B46
CNGG120408FS KC5025	B46
CNGG120408FS KCU10	B46
CNGG120408FS KCU25	B46
CNGG120408LF KC5010	B46
CNGG120408LF KCU10	B46
CNGG120412LF KC5010	B46
CNGG120412LF KCU10	B46
CNGM120404S01325MTCB1 KBH20	B310
CNGM120408S01325MTCB1 KBH20	B310
CNGM120412S01325MTCB1 KBH20	B310
CNGN090408T02020 KBK45	B284
CNGN090412S02020 KBK45	B284
CNGN120404T02020 KY1615	B309
CNGN120408T02020 KBK45	B284
CNGN120408T02020 KY1615	B309
CNGN120408T02020 KY3500	B295
CNGN120412S02020 KBK45	B284
CNGN120412T02020 KY1615	B309
CNGN120412T02020 KY3500	B295
CNGN120416S02020 KBK45	B284
CNGN120416T01020 KYS25	B332
CNGN120416T02020 KY3500	B295
CNGN120708T02020 KY1615	B309
CNGN120712T01020 KYS25	B332
CNGN120712T01020 KYS30	B332
CNGN120712T02020 KY1615	B309
CNGN120712T02020 KY3500	B295
CNGN120716T01020 KYS30	B332
CNGN120716T02020 KY1615	B309
CNGN120716T02020 KYK10	B295
CNGN160716T02020 KY1615	B309
CNGN160716T05015 KY1615	B309
CNGP120401 KC5010	B46
CNGP120401 KC5410	B46
CNGP120401 KCU10	B46
CNGP120402 KC5010	B46
CNGP120402 KC5410	B46
CNGP120402 KCU10	B46
CNGP120404 K313	B46
CNGP120404 K68	B46
CNGP120404 KC5010	B46
CNGP120404 KC5410	B46
CNGP120404 KCU10	B46
CNGP120408 K313	B46
CNGP120408 K68	B46
CNGP120408 KC5010	B46
CNGP120408 KC5410	B46
CNGP120408 KCU10	B46
CNGP120408K KC5010	B47
CNGP120412 K313	B46
CNGP120412 KC5010	B46
CNGP120412 KC5410	B46
CNGP120412 KCU10	B46
CNGP120416 KC5010	B46
CNGP160612K K313	B47
CNGX120408T02020 KBK45	B287
CNGX120412S01015 KB1340	B287
CNGX120412S01015FW KB1340	B287
CNGX120412S02020 KBK45	B287
CNGX120416S02020 KB1340	B287
CNGX120416S02020 KBK45	B287
CNGX120708T01020 KYS25	B332
CNGX120708T01020 KYS30	B332
CNGX120708T01020FW KY3500	B295
CNGX120708T02020 KY1615	B311
CNGX120712T01020 KYS25	B332
CNGX120712T01020 KYS30	B332
CNGX120712T01020FW KY3500	B295
CNGX120712T02020 KY1615	B311
CNGX120716E KYS30	B332
CNGX120716T01020FW KY3500	B295
CNMA120404 KCK05B	B47
CNMA120404 KCK15	B47
CNMA120404 KCK15B	B47
CNMA120404 KCK20	B47
CNMA120404 KCK20B	B47
CNMA120408 K68	B47
CNMA120408 KCK05	B47
CNMA120408 KCK15	B47
CNMA120408 KCK15B	B47
CNMA120408 KCK20	B47
CNMA120408 KCK20B	B47
CNMA120408S02020 KB1340	B289
CNMA120412 KCK05	B47
CNMA120412 KCK15	B47
CNMA120412 KCK15B	B47
CNMA120412 KCK20	B47
CNMA120412 KCK20B	B47
CNMA120412S02020 KB1340	B289
CNMA120416 KCK05	B47
CNMA120416 KCK05B	B47
CNMA120416 KCK15	B47
CNMA120416 KCK15B	B47
CNMA120416 KCK20	B47
CNMA160608 KCK15	B47
CNMA160608 KCK20	B47
CNMA160612 KCK15	B47
CNMA160612 KCK15B	B47
CNMA160612 KCK20	B47
CNMA160612 KCK20B	B47
CNMA160616 KCK15	B47
CNMA160616 KCK20B	B47
CNMA190612 KCK05	B47
CNMA190612 KCK15	B47
CNMA190612 KCK15B	B47
CNMA190612 KCK20	B47
CNMA190616 KCK15B	B47
CNMA190616 KCK20	B47
CNMA190616 KCK20B	B47
CNMG090304FF KC5010	B48
CNMG090304FN KCP10	B49
CNMG090304FN KT315	B49
CNMG090304MN KCP10	B50
CNMG090304MN KCP25B	B50
CNMG090304MN KCP30	B50
CNMG090308FF KC5010	B48
CNMG090308FN KCK05	B49
CNMG090308FN KCP10	B49
CNMG090308FN KCP10B	B49

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
CNMG090308MN KCP10	B50
CNMG090308MN KCP10B	B50
CNMG090308MN KCP25	B50
CNMG090308MN KCP25B	B50
CNMG090308MN KCP30	B50
CNMG090308MP KC5010	B51
CNMG090308MP KCM15B	B51
CNMG090308MP KCM25	B51
CNMG090308MP KCU10	B51
CNMG090312MN KCP25	B50
CNMG120401MS KC5010	B52
CNMG120401MS KC5025	B52
CNMG120401MS KCU10	B52
CNMG120401MS KCU25	B52
CNMG120402FN KC5010	B49
CNMG120402FN KCU10	B49
CNMG120402FN KT315	B49
CNMG120402LF KCP25B	B50
CNMG120402MS KC5010	B52
CNMG120402MS KC5025	B52
CNMG120402MS KCU10	B52
CNMG120402MS KCU25	B52
CNMG120404B K68	B47
CNMG120404FF KC5010	B48
CNMG120404FF KCM15B	B48
CNMG120404FF KCP05	B48
CNMG120404FF KCP10	B48
CNMG120404FF KCP10B	B48
CNMG120404FF KCU10	B48
CNMG120404FF KT315	B48
CNMG120404FN KCK05	B49
CNMG120404FN KCK15B	B49
CNMG120404FN KCP05	B49
CNMG120404FN KCP10	B49
CNMG120404FN KCP10B	B49
CNMG120404FN KCP25	B49
CNMG120404FN KCP25B	B49
CNMG120404FN KT315	B49
CNMG120404FP KC5010	B49
CNMG120404FP KCM15	B49
CNMG120404FP KCP10	B49
CNMG120404FP KCP25B	B49
CNMG120404FP KCU10	B49
CNMG120404FP KT315	B49
CNMG120404FW KC5010	B49
CNMG120404FW KCP05	B49
CNMG120404FW KCP10	B49
CNMG120404FW KCP10B	B49
CNMG120404FW KCU10	B49
CNMG120404FW KT315	B49
CNMG120404LF KCP25B	B50
CNMG120404MN KCP10	B50
CNMG120404MN KCP10B	B50
CNMG120404MN KCP25	B50
CNMG120404MN KCP25B	B50
CNMG120404MN KCP30	B50
CNMG120404MN KCP40B	B50
CNMG120404MP KC5010	B51
CNMG120404MP KCM15	B51
CNMG120404MP KCM15B	B51
CNMG120404MP KCM25	B51
CNMG120404MP KCM25B	B51
CNMG120404MP KCM35	B51
CNMG120404MP KCM35B	B51
CNMG120404MP KCU10	B51
CNMG120404MR KCM15B	B51
CNMG120404MS K313	B52
CNMG120404MS KC5010	B52
CNMG120404MS KC5025	B52
CNMG120404MS KCU10	B52
CNMG120404MS KCU25	B52
CNMG120404P KC5010	B52
CNMG120404P KCU10	B52
CNMG120404RP KC5010	B53
CNMG120404RP KC5025	B53
CNMG120404RP KCM25	B53
CNMG120404RP KCM25B	B53
CNMG120404RP KCP10	B53
CNMG120404RP KCP25	B53
CNMG120404RP KCP25B	B53
CNMG120404RP KCU10	B53
CNMG120404RP KCU25	B53
CNMG120404UN KCK05	B54
CNMG120404UN KCK15	B54
CNMG120404UN KCK15B	B54
CNMG120404UN KCK20	B54
CNMG120404UN KCK20B	B54
CNMG120404UP KC5010	B54
CNMG120404UP KCM15B	B54
CNMG120404UP KCM25	B54
CNMG120404UP KCM25B	B54
CNMG120408 K313	B47
CNMG120408 K68	B47
CNMG120408 KC5010	B47
CNMG120840833 KT315	B48
CNMG120408CT KC5010	B48
CNMG120408CT KCP05	B48
CNMG120408CT KCP10B	B48
CNMG120408CT KCP25	B48
CNMG120408CT KCP25B	B48
CNMG120408CT KCU10	B48
CNMG120408FF KC5010	B48
CNMG120408FF KCM15B	B48
CNMG120408FF KCP05	B48
CNMG120408FF KCP10	B48
CNMG120408FF KCP10B	B48
CNMG120408FF KCU10	B48
CNMG120408FF KT315	B48
CNMG120408FN KCK05	B49
CNMG120408FN KCK15B	B49
CNMG120408FN KCP05	B49
CNMG120408FN KCP10	B49
CNMG120408FN KCP10B	B49
CNMG120408FN KCP25	B49
CNMG120408FN KCP25B	B49
CNMG120408FN KT315	B49
CNMG120408FP KC5010	B49
CNMG120408FP KCM15	B49
CNMG120408FP KCM15B	B49
CNMG120408FP KCP10B	B49
CNMG120408FP KCP25	B49
CNMG120408FP KCP25B	B49
CNMG120408FP KCU10	B49
CNMG120408FP KT315	B49
CNMG120408FW KC5010	B49
CNMG120408FW KCK15B	B49
CNMG120408FW KCM15B	B49
CNMG120408FW KCP05	B49
CNMG120408FW KCP05B	B49
CNMG120408FW KCP10	B49
CNMG120408FW KCP10B	B49
CNMG120408FW KCU10	B49
CNMG120408FW KT315	B49
CNMG120408LF KCP25B	B50
CNMG120408MG KC5010	B57
CNMG120408MG KCP10B	B57
CNMG120408MG KCP25B	B57
CNMG120408MN KCP05	B50
CNMG120408MN KCP05B	B50
CNMG120408MN KCP10	B50
CNMG120408MN KCP10B	B50
CNMG120408MN KCP25	B50
CNMG120408MN KCP25B	B50
CNMG120408MN KCP30	B50
CNMG120408MN KCP30B	B50
CNMG120408MN KCP40	B50
CNMG120408MN KCP40B	B50
CNMG120408MN KCPK05	B50
CNMG120408MP KC5010	B51
CNMG120408MP KC5025	B51
CNMG120408MP KCM15	B51
CNMG120408MP KCM15B	B51
CNMG120408MP KCM25	B51
CNMG120408MP KCM25B	B51
CNMG120408MP KCM35	B51
CNMG120408MP KCM35B	B51
CNMG120408MP KCP10	B51
CNMG120408MP KCP25	B51
CNMG120408MP KCP25B	B51
CNMG120408MP KCU10	B51
CNMG120408MP KCU25	B51
CNMG120408MR KCK15B	B51
CNMG120408MR KCM15	B51
CNMG120408MR KCM15B	B51
CNMG120408MR KCM25	B51
CNMG120408MR KCM25B	B51
CNMG120408MR KCM35	B51
CNMG120408MR KCP10B	B51
CNMG120408MR KCP25B	B51
CNMG120408MR KCP30B	B51
CNMG120408MR KCP40	B51
CNMG120408MR KCPK05	B51
CNMG120408MR KCU10	B51
CNMG120408MS K313	B52
CNMG120408MS KC5010	B52
CNMG120408MS KC5025	B52
CNMG120408MS KCU10	B52
CNMG120408MS KCU25	B52
CNMG120408MW KCK15B	B52
CNMG120408MW KCM25B	B52
CNMG120408MW KCP05	B52
CNMG120408MW KCP10	B52
CNMG120408MW KCP10B	B52
CNMG120408MW KCP25	B52
CNMG120408MW KCP25B	B52
CNMG120408P K313	B52
CNMG120408P KC5010	B52
CNMG120408P KCM15B	B52
CNMG120408P KCP30B	B52
CNMG120408P KCU10	B52
CNMG120408RN KCK15B	B53
CNMG120408RN KCP05	B53
CNMG120408RN KCP10	B53
CNMG120408RN KCP10B	B53
CNMG120408RN KCP25	B53
CNMG120408RN KCP25B	B53
CNMG120408RN KCP30	B53
CNMG120408RN KCP30B	B53
CNMG120408RN KCP40	B53
CNMG120408RN KCP40B	B53
CNMG120408RP KC5010	B53
CNMG120408RP KC5025	B53
CNMG120408RP KCK05	B53
CNMG120408RP KCK15	B53
CNMG120408RP KCK15B	B53
CNMG120408RP KCK20	B53
CNMG120408RP KCK20B	B53
CNMG120408RP KCM15	B53
CNMG120408RP KCM15B	B53
CNMG120408RP KCM25	B53
CNMG120408RP KCM25B	B53
CNMG120408RP KCM35	B53
CNMG120408RP KCM35B	B53
CNMG120408RP KCP05	B53
CNMG120408RP KCP05B	B53
CNMG120408RP KCP10	B53
CNMG120408RP KCP10B	B53
CNMG120408RP KCP25	B53
CNMG120408RP KCP25B	B53
CNMG120408RP KCP30	B53
CNMG120408RP KCP30B	B53
CNMG120408RP KCP40	B53
CNMG120408RP KCPK05	B53
CNMG120408RP KCU10	B53
CNMG120408RP KCU25	B53
CNMG120408UN KCK05	B54
CNMG120408UN KCK15	B54
CNMG120408UN KCK15B	B54
CNMG120408UN KCK20	B54
CNMG120408UN KCK20B	B54
CNMG120408UP KC5010	B54
CNMG120408UP KCM15	B54
CNMG120408UP KCM15B	B54
CNMG120408UP KCM25	B54
CNMG120408UP KCM25B	B54
CNMG120408UP KCM35	B54
CNMG120408UP KCM35B	B54
CNMG120408UP KCU10	B54
CNMG120412 K68	B47
CNMG120412CT KCP10B	B48
CNMG120412CT KCP25	B48
CNMG120412CT KCP25B	B48
CNMG120412FM KCP10B	B50
CNMG120412FM KCP25B	B50
CNMG120412FN KCK05B	B49
CNMG120412FN KCP10B	B49
CNMG120412FN KCP25	B49
CNMG120412FN KCP25B	B49
CNMG120412FN KT315	B49
CNMG120412FP KCM15	B49
CNMG120412FP KCU10	B49
CNMG120412FW KC5010	B49
CNMG120412FW KCP05	B49
CNMG120412FW KCP10	B49
CNMG120412FW KCP10B	B49
CNMG120412FW KCU10	B49
CNMG120412FW KT315	B49
CNMG120412MG KCP10B	B57
CNMG120412MG KCP25B	B57
CNMG120412MN KCP05	B50
CNMG120412MN KCP10	B50
CNMG120412MN KCP10B	B50
CNMG120412MN KCP25	B50
CNMG120412MN KCP25B	B50
CNMG120412MN KCP30B	B50
CNMG120412MN KCP40	B50
CNMG120412MN KCP40B	B50
CNMG120412MP KC5010	B51
CNMG120412MP KCM15	B51
CNMG120412MP KCM15B	B51
CNMG120412MP KCM25	B51
CNMG120412MP KCM25B	B51
CNMG120412MP KCM35	B51
CNMG120412MP KCP10	B51
CNMG120412MP KCP25	B51
CNMG120412MP KCU10	B51
CNMG120412MP KCU25	B51
CNMG120412MR KCK15B	B51
CNMG120412MR KCM15	B51
CNMG120412MR KCM15B	B51
CNMG120412MR KCM25	B51
CNMG120412MR KCM25B	B51
CNMG120412MR KCM35	B51
CNMG120412MR KCP10B	B51
CNMG120412MR KCP25B	B51
CNMG120412MR KCPK05	B51
CNMG120412MR KCU10	B51
CNMG120412MS K313	B52
CNMG120412MS KC5010	B52
CNMG120412MS KC5025	B52
CNMG120412MS KCU10	B52
CNMG120412MS KCU25	B52
CNMG120412MW KCK15B	B52
CNMG120412MW KCP05	B52
CNMG120412MW KCP10	B52
CNMG120412MW KCP10B	B52
CNMG120412MW KCP25	B52
CNMG120412MW KCP25B	B52
CNMG120412P KC5010	B52
CNMG120412P KCP30B	B52
CNMG120412RN KCP10	B53
CNMG120412RN KCP10B	B53
CNMG120412RN KCP25	B53
CNMG120412RN KCP25B	B53
CNMG120412RN KCP30	B53
CNMG120412RN KCP30B	B53
CNMG120412RN KCP40	B53
CNMG120412RN KCP40B	B53
CNMG120412RN KCPK05	B53
CNMG120412RP KC5010	B53
CNMG120412RP KC5025	B53
CNMG120412RP KCK05	B53
CNMG120412RP KCK15	B53
CNMG120412RP KCK15B	B53
CNMG120412RP KCK20	B53
CNMG120412RP KCK20B	B53
CNMG120412RP KCM15B	B53
CNMG120412RP KCM25	B53
CNMG120412RP KCM25B	B53
CNMG120412RP KCM35	B53
CNMG120412RP KCM35B	B53
CNMG120412RP KCP05	B53
CNMG120412RP KCP10	B53
CNMG120412RP KCP10B	B53
CNMG120412RP KCP25	B53
CNMG120412RP KCP25B	B53
CNMG120412RP KCP30	B53
CNMG120412RP KCP30B	B53

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
CNMG120412RP KCP40	B53
CNMG120412RP KCP40B	B53
CNMG120412RP KCPK05	B53
CNMG120412RP KCU10	B53
CNMG120412RP KCU25	B53
CNMG120412UN KCK05	B54
CNMG120412UN KCK05B	B54
CNMG120412UN KCK15	B54
CNMG120412UN KCK15B	B54
CNMG120412UN KCK20	B54
CNMG120412UN KCK20B	B54
CNMG120412UP KC5010	B54
CNMG120412UP KCM15	B54
CNMG120412UP KCM25	B54
CNMG120412UP KCM25B	B54
CNMG120412UP KCU10	B54
CNMG120416CT KCP10	B48
CNMG120416FN KCP10	B49
CNMG120416FN KCP25	B49
CNMG120416MG KCP10B	B57
CNMG120416MN KCP10	B50
CNMG120416MN KCP10B	B50
CNMG120416MN KCP25	B50
CNMG120416MN KCP25B	B50
CNMG120416MP KC5010	B51
CNMG120416MP KCM15B	B51
CNMG120416MR KCP10B	B51
CNMG120416MS KC5010	B52
CNMG120416MS KC5025	B52
CNMG120416MS KCU10	B52
CNMG120416MS KCU25	B52
CNMG120416RN KCP10	B53
CNMG120416RN KCP10B	B53
CNMG120416RN KCP25	B53
CNMG120416RN KCP25B	B53
CNMG120416RN KCP40	B53
CNMG120416RN KCP40B	B53
CNMG120416RP KC5010	B53
CNMG120416RP KCK20B	B53
CNMG120416RP KCM25	B53
CNMG120416RP KCM25B	B53
CNMG120416RP KCM35	B53
CNMG120416RP KCP10	B53
CNMG120416RP KCP10B	B53
CNMG120416RP KCP25	B53
CNMG120416RP KCP25B	B53
CNMG120416RP KCU10	B53
CNMG120416RP KCU25	B53
CNMG120416UN KCK05B	B54
CNMG120416UN KCK15B	B54
CNMG120416UN KCK20	B54
CNMG120416UN KCK20B	B54
CNMG160608MN KCP10	B50
CNMG160608MN KCP10B	B50
CNMG160608MN KCP25	B50
CNMG160608MN KCP25B	B50
CNMG160608MN KCP30	B50
CNMG160608MP KC5010	B51
CNMG160608MP KCM15B	B51
CNMG160608MP KCM25	B51
CNMG160608MP KCM35	B51
CNMG160608MP KCU10	B51
CNMG160608MR KCP25B	B51
CNMG160608MS KC5010	B52
CNMG160608MS KC5025	B52
CNMG160608MS KCU10	B52
CNMG160608MS KCU25	B52
CNMG160608RN KCP10B	B53
CNMG160608RN KCP25	B53
CNMG160608RN KCP25B	B53
CNMG160608RN KCP30	B53
CNMG160608RP KC5025	B53
CNMG160608RP KCK20	B53
CNMG160608RP KCP10	B53
CNMG160608RP KCP25	B53
CNMG160608RP KCP25B	B53
CNMG160608RP KCU10	B53
CNMG160608RP KCU25	B53
CNMG160608UN KCK15	B54
CNMG160608UN KCK15B	B54
CNMG160608UN KCK20	B54
CNMG160608UN KCK20B	B54
CNMG160608UP KCM25	B54
CNMG160608UP KCM35	B54
CNMG160612MG KCP25B	B57
CNMG160612MN KCP10	B50
CNMG160612MN KCP10B	B50
CNMG160612MN KCP25	B50
CNMG160612MN KCP25B	B50
CNMG160612MN KCP30	B50
CNMG160612MP KC5010	B51
CNMG160612MP KCM15	B51
CNMG160612MP KCM15B	B51
CNMG160612MP KCM25	B51
CNMG160612MP KCM25B	B51
CNMG160612MP KCU10	B51
CNMG160612MP KCU25	B51
CNMG160612MR KCM25B	B51
CNMG160612MR KCP10B	B51
CNMG160612MR KCP25B	B51
CNMG160612MR KCP40	B51
CNMG160612MS K313	B52
CNMG160612MS KC5010	B52
CNMG160612MS KC5025	B52
CNMG160612MS KCU10	B52
CNMG160612MS KCU25	B52
CNMG160612RN KCP10	B53
CNMG160612RN KCP10B	B53
CNMG160612RN KCP25	B53
CNMG160612RN KCP25B	B53
CNMG160612RN KCP30	B53
CNMG160612RN KCP30B	B53
CNMG160612RN KCP40	B53
CNMG160612RN KCP40B	B53
CNMG160612RN KCPK05	B53
CNMG160612RP KC5010	B53
CNMG160612RP KC5025	B53
CNMG160612RP KCK05	B53
CNMG160612RP KCK15	B53
CNMG160612RP KCK20	B53
CNMG160612RP KCK20B	B53
CNMG160612RP KCM15B	B53
CNMG160612RP KCM25	B53
CNMG160612RP KCM25B	B53
CNMG160612RP KCM35	B53
CNMG160612RP KCM35B	B53
CNMG160612RP KCP10	B53
CNMG160612RP KCP10B	B53
CNMG160612RP KCP25	B53
CNMG160612RP KCP25B	B53
CNMG160612RP KCP30	B53
CNMG160612RP KCP40	B53
CNMG160612RP KCP40B	B53
CNMG160612RP KCPK05	B53
CNMG160612RP KCU10	B53
CNMG160612RP KCU25	B53
CNMG160612UN KCK15	B54
CNMG160612UN KCK15B	B54
CNMG160612UN KCK20	B54
CNMG160612UN KCK20B	B54
CNMG160612UP KCM25	B54
CNMG160612UP KCM25B	B54
CNMG160612UP KCM35	B54
CNMG160612UP KCU10	B54
CNMG160616MG KCP10B	B57
CNMG160616MN KCP10	B50
CNMG160616MN KCP10B	B50
CNMG160616MN KCP25	B50
CNMG160616MP KC5010	B51
CNMG160616MP KCM25B	B51
CNMG160616MR KCM25B	B51
CNMG160616MR KCP10B	B51
CNMG160616MR KCP25B	B51
CNMG160616RN KCP10	B53
CNMG160616RN KCP10B	B53
CNMG160616RN KCP25	B53
CNMG160616RN KCP25B	B53
CNMG160616RN KCP40B	B53
CNMG160616RN KCPK05	B53
CNMG160616RP KC5025	B53
CNMG160616RP KCK20	B53
CNMG160616RP KCM25	B53
CNMG160616RP KCM25B	B53
CNMG160616RP KCP10	B53
CNMG160616RP KCP10B	B53
CNMG160616RP KCP25	B53
CNMG160616RP KCP25B	B53
CNMG160616RP KCPK05	B53
CNMG160616RP KCU25	B53
CNMG160616UN KCK15	B54
CNMG160616UN KCK15B	B54
CNMG160616UN KCK20	B54
CNMG160616UN KCK20B	B54
CNMG190608MN KCP10	B50
CNMG190608MN KCP25	B50
CNMG190608MN KCP25B	B50
CNMG190608MN KCP30	B50
CNMG190608MP KC5010	B51
CNMG190608MP KCM15B	B51
CNMG190608MP KCM25	B51
CNMG190608MP KCM25B	B51
CNMG190608MS KC5010	B52
CNMG190608MS KC5025	B52
CNMG190608MS KCU10	B52
CNMG190608MS KCU25	B52
CNMG190608RN KCP10B	B53
CNMG190608RN KCP25	B53
CNMG190608RN KCP25B	B53
CNMG190608RN KCP40	B53
CNMG190608UN KCK15	B54
CNMG190608UN KCK20	B54
CNMG190612 K68	B47
CNMG190612 KCP25	B47
CNMG190612 KCU10	B47
CNMG190612MG KCP25B	B57
CNMG190612MN KCP10	B50
CNMG190612MN KCP25	B50
CNMG190612MN KCP25B	B50
CNMG190612MN KCP30	B50
CNMG190612MP KC5010	B51
CNMG190612MP KCM15	B51
CNMG190612MP KCM25	B51
CNMG190612MP KCM25B	B51
CNMG190612MP KCU25	B51
CNMG190612MR KCM25	B51
CNMG190612MR KCM25B	B51
CNMG190612MR KCP25B	B51
CNMG190612MS KC5010	B52
CNMG190612MS KC5025	B52
CNMG190612MS KCU10	B52
CNMG190612MS KCU25	B52
CNMG190612P KCU10	B52
CNMG190612RN KCP10	B53
CNMG190612RN KCP10B	B53
CNMG190612RN KCP25	B53
CNMG190612RN KCP25B	B53
CNMG190612RN KCP30	B53
CNMG190612RN KCP30B	B53
CNMG190612RN KCP40	B53
CNMG190612RN KCP40B	B53
CNMG190612RP KC5010	B53
CNMG190612RP KC5025	B53
CNMG190612RP KCK15	B53
CNMG190612RP KCM25	B53
CNMG190612RP KCM25B	B53
CNMG190612RP KCM35	B53
CNMG190612RP KCP10B	B53
CNMG190612RP KCP25	B53
CNMG190612RP KCP25B	B53
CNMG190612RP KCP30	B53
CNMG190612RP KCP40B	B53
CNMG190612RP KCU10	B53
CNMG190612RP KCU25	B53
CNMG190612UN KCK15	B54
CNMG190612UN KCK15B	B54
CNMG190612UN KCK20	B54
CNMG190612UP KCM25	B54
CNMG190612UP KCM25B	B54
CNMG190612UP KCM35	B54
CNMG190616 KCP25	B47
CNMG190616MN KCP10B	B50
CNMG190616MN KCP25	B50
CNMG190616MN KCP25B	B50
CNMG190616MN KCP30	B50
CNMG190616MP KC5010	B51
CNMG190616MP KCM25	B51
CNMG190616MP KCU10	B51
CNMG190616MR KCP25B	B51
CNMG190616MS KCU10	B52
CNMG190616MS KCU25	B52
CNMG190616RN KCP10B	B53
CNMG190616RN KCP25	B53
CNMG190616RN KCP25B	B53
CNMG190616RN KCP30	B53
CNMG190616RN KCP30B	B53
CNMG190616RN KCP40	B53
CNMG190616RN KCP40B	B53
CNMG190616RN KCPK05	B53
CNMG190616RP KCM25	B53
CNMG190616RP KCM25B	B53
CNMG190616RP KCM35	B53
CNMG190616RP KCP10	B53
CNMG190616RP KCP25B	B53
CNMG190616RP KCP30	B53
CNMG190616RP KCPK05	B53
CNMG190616RP KCU10	B53
CNMG190616RP KCU25	B53
CNMG190616UN KCK05	B54
CNMG190616UN KCK15	B54
CNMG190616UN KCK20	B54
CNMG190616UP KCM25	B54
CNMG190624MN KCP25B	B50
CNMG190624RN KCP25	B53
CNMG190624RN KCP25B	B53
CNMG190624RN KCP30	B53
CNMG250924 KCP25	B47
CNMM120408MR KCP25B	B54
CNMM120408MR KCP30B	B54
CNMM120408RM KCP10	B55
CNMM120408RM KCP25	B55
CNMM120408RM KCP25B	B55
CNMM120408RM KCP30	B55
CNMM120408RP KCM25	B56
CNMM120408RP KCM25B	B56
CNMM120408RP KCP05	B56
CNMM120408RP KCP10	B56
CNMM120408RP KCP25B	B56
CNMM120408RP KCP40	B56
CNMM120412RM KCP10	B55
CNMM120412RM KCP10B	B55
CNMM120412RM KCP25	B55
CNMM120412RM KCP25B	B55
CNMM120412RP KCP10B	B56
CNMM120412RP KCP25	B56
CNMM120412RP KCP25B	B56
CNMM120412RP KCP30	B56
CNMM120416RP KCP25	B56
CNMM120416RP KCP25B	B56
CNMM160608RP KCP25B	B56
CNMM160612MR KCP25B	B54
CNMM160612MR KCP30B	B54
CNMM160612RM KCP10	B55
CNMM160612RM KCP10B	B55
CNMM160612RM KCP25	B55
CNMM160612RM KCP25B	B55
CNMM160612RP KCM25B	B56
CNMM160612RP KCP10	B56
CNMM160612RP KCP10B	B56
CNMM160612RP KCP25	B56
CNMM160612RP KCP40	B56
CNMM160616MR KCP25B	B54
CNMM160616RM KCP10	B55
CNMM160616RM KCP10B	B55
CNMM160616RM KCP25	B55
CNMM160616RM KCP25B	B55
CNMM160616RM KCP30	B55
CNMM160616RP KCM25	B56
CNMM160616RP KCP10	B56
CNMM160616RP KCP10B	B56
CNMM160616RP KCP25	B56
CNMM160616RP KCP25B	B56
CNMM160616RP KCPK05	B56
CNMM160624RM KCP10	B55
CNMM160624RM KCP25B	B55
CNMM160624RP KCP10B	B56
CNMM190612RH KCP25	B55
CNMM190612RH KCP40	B55
CNMM190612RM KCP10	B55

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
CNMM190612RM KCP25	B55
CNMM190612RM KCP25B	B55
CNMM190612RM KCP40	B55
CNMM190612RP KCM25B	B56
CNMM190612RP KCP25	B56
CNMM190612RP KCP25B	B56
CNMM190616MR KCP25B	B54
CNMM190616RH KCP10B	B55
CNMM190616RH KCP25B	B55
CNMM190616RH KCP30	B55
CNMM190616RH KCP40B	B55
CNMM190616RM KCP10	B55
CNMM190616RM KCP10B	B55
CNMM190616RM KCP25	B55
CNMM190616RM KCP25B	B55
CNMM190616RM KCP30	B55
CNMM190616RP KCM25B	B56
CNMM190616RP KCP10	B56
CNMM190616RP KCP10B	B56
CNMM190616RP KCP25	B56
CNMM190616RP KCP25B	B56
CNMM190624RH KCP10	B55
CNMM190624RH KCP10B	B55
CNMM190624RH KCP25	B55
CNMM190624RH KCP25B	B55
CNMM190624RH KCP30	B55
CNMM190624RH KCP40B	B55
CNMM190624RM KCP25	B55
CNMM190624RM KCP25B	B55
CNMM190624RM KCP30	B55
CNMM190624RP KCM25B	B56
CNMM190624RP KCP25	B56
CNMM190624RW KCP10B	B56
CNMM190624RW KCP25B	B56
CNMM190740RRP KCP10B	E53
CNMM250924RH KCP10	B55
CNMM250924RH KCP25	B55
CNMM250924RH KCP25B	B55
CNMM250924RH KCP30	B55
CNMM250924RH KCP30B	B55
CNMM250924RH KCP40	B55
CNMM250924RM KCP10	B55
CNMM250924RM KCP25	B55
CNMM250924RM KCP25B	B55
CNMM250924RM KCP40	B55
CNMM250924RP KCP25	B56
CNMM250924RW KCP25B	B56
CNMN120408S02020 KB1340	B284
CNMN120412S02020 KB1340	B284
CNMP120404 K313	B56
CNMP120404 K68	B56
CNMP120404 KC5410	B56
CNMP120404K KCP10B	B57
CNMP120404K KCP25	B57
CNMP120404K KCP25B	B57
CNMP120408 K313	B56
CNMP120408 K68	B56
CNMP120408 KC5410	B56
CNMP120408 KCP25B	B56
CNMP120408K KCP10	B57
CNMP120408K KCP10B	B57
CNMP120408K KCP25	B57
CNMP120408K KCP25B	B57
CNMP120412 K68	B56
CNMP160608 KCP25B	B56
CNMP190612 K313	B56
CNMS120404FST KD1400	B345
CNMS120408 K68	B57
CNMS120408 KC5410	B57
CNMS120408E KD1405	B345
CNMS120408FST KD1400	B345
CNMS120408FST KD1425	B345
CNMS160608 KC5410	B57
CNMS190608 K68	B57
CNMS190608 KC5410	B57
CNMS190612 K68	B57
CNMU120412RN KCP10B	B53
CNMU120612MN KCP05B	B51
CNMU120612MN KCP10	B51
CNMU120616MN KCP25B	B51
CNMX120708T02020 KY3500	B295
CNMX120712T02020 KY3500	B295
CNMX120716T02020 KY3500	B295
COOL-HOSE-200	C75
COOL-HOSE-200-FLEX	C75
COOL-HOSE-300	C75
COOL-HOSE-300-FLEX	C75
CP1416	U27–35
CP1820	U40–49
CPGH09T301 KC5010	B188
CPGH09T301 KC5025	B188
CPGH09T301 KCU10	B188
CPGH09T301 KT315	B188
CPGH09T302 K68	B188
CPGH09T302 KC5010	B188
CPGH09T302 KC5025	B188
CPGH09T302 KCU10	B188
CPGH09T302 KCU25	B188
CPGH09T304 K313	B188
CPGH09T304 K68	B188
CPGH09T304 KC5010	B188
CPGH09T304 KC5025	B188
CPGH09T304 KCM15B	B188
CPGH09T304 KCP10B	B188
CPGH09T304 KCP25B	B188
CPGH09T304 KCU10	B188
CPGH09T304 KCU25	B188
CPGH09T304 KT315	B188
CPGH09T308 K313	B188
CPGH09T308 K68	B188
CPGH09T308 KC5010	B188
CPGH09T308 KC5025	B188
CPGH09T308 KCP10B	B188
CPGH09T308 KCP25B	B188
CPGH09T308 KCU10	B188
CPGH09T308 KCU25	B188
CPGN120304 K313	B166
CPGN120304 K68	B166
CPGN120304F KD1425	B345
CPGN120308 K313	B166
CPGN120308 K68	B166
CPGN120308F KD1425	B345
CPGT060201LF KC5010	B189
CPGT060201LF KC5025	B189
CPGT060201LF KC5410	B189
CPGT060201LF KCU10	B189
CPGT060202HP KC5010	B188
CPGT060202HP KC5025	B188
CPGT060202HP KC5410	B188
CPGT060202HP KCU10	B188
CPGT060202HP KCU25	B188
CPGT060202K K68	B188
CPGT060202LF KC5010	B189
CPGT060202LF KC5025	B189
CPGT060202LF KCU10	B189
CPGT060204HP KC5010	B188
CPGT060204HP KC5025	B188
CPGT060204HP KC5410	B188
CPGT060204HP KCU10	B188
CPGT060204HP KCU25	B188
CPGT060204K K313	B188
CPGT060204K K68	B188
CPGT060204K KC5010	B188
CPGT060204LF KC5010	B189
CPGT060204LF KC5025	B189
CPGT060204LF KC5410	B189
CPGT060204LF KCU10	B189
CPGT060208HP KC5010	B188
CPGT060208HP KC5410	B188
CPGT060208HP KCU25	B188
CPGT060208LF KC5010	B189
CPGT060208LF KC5025	B189
CPGT060208LF KCU10	B189
CPGT09T302HP K313	B188
CPGT09T302HP KC5010	B188
CPGT09T302HP KC5025	B188
CPGT09T302HP KC5410	B188
CPGT09T302HP KCU10	B188
CPGT09T302LF KC5010	B189
CPGT09T302LF KC5025	B189
CPGT09T302LF KCU10	B189
CPGT09T304HP K313	B188
CPGT09T304HP KC5010	B188
CPGT09T304HP KC5025	B188
CPGT09T304HP KC5410	B188
CPGT09T304HP KCU10	B188
CPGT09T304HP KCU25	B188
CPGT09T304LF KC5010	B189
CPGT09T304LF KC5025	B189
CPGT09T304LF KC5410	B189
CPGT09T304LF KCU10	B189
CPGT09T308HP KC5010	B188
CPGT09T308HP KC5410	B188
CPGT09T308HP KCU10	B188
CPGT09T308HP KCU25	B188
CPGT09T308LF KC5010	B189
CPGT09T308LF KC5025	B189
CPGT09T308LF KCU10	B189
CPGW060202FST KD1400	B346
CPGW060202FST KD1425	B346
CPGW060204E KD1405	B345
CPGW060204FST KD1400	B346
CPGW060204FST KD1425	B346
CPGW060204FWST KD1400	B346
CPGW060204FWST KD1425	B346
CPGW060208FST KD1400	B346
CPGW060208FST KD1425	B346
CPGW09T304E KD1405	B345
CPGW09T304FST KD1400	B346
CPGW09T304FST KD1425	B346
CPGW09T304S01015MT KB5630	B311
CPGW09T308FST KD1400	B346
CPGW09T308FST KD1425	B346
CPGW09T308FWST KD1400	B346
CPGW09T308FWST KD1425	B346
CPGW09T308S01015MT KB5630	B311
CPGW120408FWST KD1400	B346
CPGW120408FWST KD1425	B346
CPMT050202FP KCU10	B189
CPMT050202FP KCU25	B189
CPMT050202LF KC5010	B190
CPMT050204FP KCP25	B189
CPMT050204FP KCU10	B189
CPMT050204FP KCU25	B189
CPMT050204LF KC5010	B190
CPMT050204LF KC5025	B190
CPMT050204LF KT315	B190
CPMT060202FP KCM25	B189
CPMT060202FP KCP10	B189
CPMT060202FP KCP25	B189
CPMT060202FP KCU10	B189
CPMT060202FP KCU25	B189
CPMT060202FP KTP10	B189
CPMT060202FW KC5010	B189
CPMT060202FW KT315	B189
CPMT060202LF KC5010	B190
CPMT060202LF KC5025	B190
CPMT060204FP KCK20	B189
CPMT060204FP KCM25	B189
CPMT060204FP KCP10	B189
CPMT060204FP KCP25	B189
CPMT060204FP KCP25B	B189
CPMT060204FP KCU10	B189
CPMT060204FP KCU25	B189
CPMT060204FP KTP10	B189
CPMT060204FW KC5010	B189
CPMT060204FW KCK20	B189
CPMT060204FW KCU10	B189
CPMT060204FW KT315	B189
CPMT060204LF K313	B190
CPMT060204LF K68	B190
CPMT060204LF KC5010	B190
CPMT060204LF KC5025	B190
CPMT060204LF KCK05	B190
CPMT060204LF KCK15	B190
CPMT060204LF KCK15B	B190
CPMT060204LF KCK20	B190
CPMT060204LF KCM15	B190
CPMT060204LF KCM25	B190
CPMT060204LF KCP10	B190
CPMT060204LF KCP10B	B190
CPMT060204LF KCP25	B190
CPMT060204LF KCP25B	B190
CPMT060204LF KT315	B190
CPMT060204UF KC5010	B191
CPMT060204UF KCP10B	B191
CPMT060204UF KCP25	B191
CPMT060204UF KCP25B	B191
CPMT060208FP KCP25	B189
CPMT060208FP KTP10	B189
CPMT060208FW KC5010	B189
CPMT060208FW KCK20	B189
CPMT060208FW KCP25	B189
CPMT060208FW KCU10	B189
CPMT060208FW KT315	B189
CPMT060208LF K313	B190
CPMT060208LF KC5010	B190
CPMT060208LF KC5025	B190
CPMT060208LF KCK05	B190
CPMT060208LF KCK15	B190
CPMT060208LF KCM25	B190
CPMT060208LF KCP10	B190
CPMT060208LF KCP25	B190
CPMT060208LF KCP25B	B190
CPMT060208LF KCP30	B190
CPMT060208LF KT315	B190
CPMT060208MF KCK15	B190
CPMT060208MF KCK20	B190
CPMT060208MF KCK20B	B190
CPMT060208MF KCM15B	B190
CPMT060208MF KCM25B	B190
CPMT060208MF KCP10B	B190
CPMT060208MF KCP25B	B190
CPMT060208MP KCP25B	B190
CPMT060208MP KCU10	B190
CPMT09T302FP KCM25	B189
CPMT09T302FP KCU10	B189
CPMT09T302LF KC5010	B190
CPMT09T302LF KT315	B190
CPMT09T304FP KCM15	B189
CPMT09T304FP KCM25	B189
CPMT09T304FP KCP10	B189
CPMT09T304FP KCP25B	B189
CPMT09T304FP KCU10	B189
CPMT09T304FP KCU25	B189
CPMT09T304FW KC5010	B189
CPMT09T304FW KCK20B	B189
CPMT09T304FW KCP25	B189
CPMT09T304FW KT315	B189
CPMT09T304LF KC5010	B190
CPMT09T304LF KC5025	B190
CPMT09T304LF KCK05	B190
CPMT09T304LF KCK15B	B190
CPMT09T304LF KCK20	B190
CPMT09T304LF KCK20B	B190
CPMT09T304LF KCM15	B190
CPMT09T304LF KCM15B	B190
CPMT09T304LF KCM25	B190
CPMT09T304LF KCM25B	B190
CPMT09T304LF KCP05	B190
CPMT09T304LF KCP10	B190
CPMT09T304LF KCP10B	B190
CPMT09T304LF KCP25	B190
CPMT09T304LF KCP25B	B190
CPMT09T304LF KCP30	B190
CPMT09T304LF KT315	B190
CPMT09T304MW KCU10	B191
CPMT09T304UF KC5010	B191
CPMT09T304UF KCP25	B191
CPMT09T304UF KCP25B	B191
CPMT09T308FP KCM25	B189
CPMT09T308FP KCP10	B189
CPMT09T308FP KCP25B	B189
CPMT09T308FP KCU10	B189
CPMT09T308FP KCU25	B189
CPMT09T308FP KTP10	B189
CPMT09T308FW KC5010	B189
CPMT09T308FW KCK20	B189
CPMT09T308FW KCP25	B189
CPMT09T308FW KCU10	B189
CPMT09T308FW KT315	B189
CPMT09T308LF K68	B190
CPMT09T308LF KC5010	B190
CPMT09T308LF KC5025	B190
CPMT09T308LF KCK05	B190
CPMT09T308LF KCK15	B190
CPMT09T308LF KCK15B	B190
CPMT09T308LF KCK20	B190

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
CPMT09T308LF KCK20B	B190
CPMT09T308LF KCM15	B190
CPMT09T308LF KCM25	B190
CPMT09T308LF KCP10	B190
CPMT09T308LF KCP10B	B190
CPMT09T308LF KCP25	B190
CPMT09T308LF KCP25B	B190
CPMT09T308LF KCP30	B190
CPMT09T308LF KT315	B190
CPMT09T308MF KCK15	B190
CPMT09T308MF KCK15B	B190
CPMT09T308MF KCK20	B190
CPMT09T308MF KCK20B	B190
CPMT09T308MF KCM15	B190
CPMT09T308MF KCM15B	B190
CPMT09T308MF KCM25	B190
CPMT09T308MF KCM25B	B190
CPMT09T308MF KCM35	B190
CPMT09T308MF KCP10	B190
CPMT09T308MF KCP10B	B190
CPMT09T308MF KCP25	B190
CPMT09T308MF KCP25B	B190
CPMT09T308MP KCK20	B190
CPMT09T308MP KCM25	B190
CPMT09T308MP KCM25B	B190
CPMT09T308MP KCP10	B190
CPMT09T308MP KCP25	B190
CPMT09T308MP KCP25B	B190
CPMT09T308MP KCU10	B190
CPMT09T308MW KC5010	B191
CPMT09T308MW KCK20	B191
CPMT09T308MW KCK20B	B191
CPMT09T308MW KCP25	B191
CPMT09T312MF KCM25B	B190
CPMT09T312MF KCP25	B190
CRDNN2525M12MN4	B362
CRDNN2525M12MN7	B362
CRDNN3225P12MN4	B362
CRDNN3225P12MN7	B362
CRDPN2525M06V	B168, B370
CRDPN2525M09V	B168, B370
CRDPN3232P09V	B168, B370
CRDPN3232P12V	B168, B370
CRDPN3232P15V	B168, B370
CRGPL2525M06V	B168, B370
CRGPL3232P09V	B168, B370
CRGPR2525M06V	B168, B370
CRGPR3232P09V	B168, B370
CRSNL2525M12-MN4	B362
CRSNL2525M12MN7	B362
CRSNL3225P12MN4	B362
CRSNL3225P12MN7	B362
CRSNR2525M12-MN4	B362
CRSNR2525M12MN7	B362
CRSNR3225P12MN4	B362
CRSNR3225P12MN7	B362
CS412	B168, B370
CSBPR2020K12	B170, B353
CSDNN2525M12MX7	B363
CSDPN2020K12	B170, B353
CSDPN2525M12	B170, B353
CSKNL2525M12-MN4	B363
CSKNL2525M12-MN7	B363
CSKNR2525M12-MN7	B363
CSKPR12CA12	B375
CSRNL2525M12-MN4	B364
CSRNL2525M12-MN7	B364
CSRNL3225P12-MN7	B364
CSRNL3225P15-MX7	B364
CSRNR2525M12-MN4	B364
CSRNR2525M12-MN7	B364
CSRPR10CA09	B376
CSSNL2525M12-MN7	B365
CSSNL2525M12-MX7	B365
CSSNL3225P12-MN4	B365
CSSNL3225P12-MN7	B365
CSSNR2525M12-MN7	B365
CSSNR2525M12-MX7	B365
CSSNR3225P12-MN4	B365
CSSNR3225P12-MN7	B365
CSSNR3225P15-MX7	B365
CSSPL10CA09	B377
CSSPL2525M12	B170, B354
CSSPR10CA09	B377
CSSPR2020K12	B170, B354
CSSPR2525M12	B170, B354
CSWM 035 040	B199, B202, B204–205
CSWM 040 050	B199–205, B229, B260–262
CSWM 060 050	B70–73, B92, B115–121, B139–142, B183, B199, B202, B220–221, B229, B235–237, B240–242, B260–263, B375–378, C171, D41–42
CSWM 080 050	B70–73, B92–93, B115–117, B119, B139–141, B183, B235, B378
CSWM 100 080	B72, B115, B119, C171, D41–42
CSXNL2525M12-MN4	B366
CSXNR2525M12-MN4	B366
CSXNR3225P12-MX7	B366
CSYNL2525M12-MN7	B367
CSYNL3225P12-MX7	B367
CSYNR2525M12-MN7	B367
CT11 WG	B273
CTCPN2510M11	B172, B354
CTCPN2514M16	B172, B354
CTCPN2518M22	B172, B354
CTCPN2520M22	B172, B354
CTDPR1212F11	B172, B355
CTFNL2525M16-MN4	B368
CTFNR2525M16-MN4	B368
CTFPL10CA11	B378
CTFPR10CA11	B378
CTFPR12CA16	B378
CTFPR20CA22	B378
CTGNL2525M16-MN4	B368
CTGNL2525M16-MN7	B368
CTGNR2525M16-MN4	B368
CTGNR2525M16-MN7	B368
CTGPL1212F11	B173, B355
CTGPL2020K16	B173, B355
CTGPL2525M16	B173, B355
CTGPR1212F11	B173, B355
CTGPR1616H11	B173, B355
CTGPR2020K11	B173, B355
CTGPR2020K16	B173, B355
CTGPR2525M16	B173, B355
CV40BDL10041M	O53
CV40BDL12041M	O53
CV40BDL16050M	O53
CV40BDL20050M	O53
CV40BDL25056M	O53
CV40BDL32065M	O53
CV40BKR32157	K86
CV40BKR50236	K86
CV40BSIF80248	K44
CV40FBHM1691	K130
CV40FBHMKIT645	K123, K127
CV50BHTS13M295	J79
CV50BHTS16M295	J79
CV50BHTS22M295	J79
CV50BHTS27M295	J79
CV50BHTS32M314	J79
CV50BHTS40M314	J79
CV50BHTS50M314	J79
CV50BKR32157	K86
CV50BKR50157	K86
CV50BKR63236	K86
CV50BKR80275	K86
CV50BSIF100236	K44
CV50BSIF70236	K44
CV50BT13069	K138
CV50RMHTS13M394	J79
CV50RMHTS16M394	J79
CV50RMHTS22M394	J79
CV50RMHTS27M394	J79
CV50RMHTS32M394	J79
CV50RMHTS40M413	J79
CV50RMHTS50M413	J79
CW16	S32–33
CWLNL2525M08-MX7	B369
CWLNR3225P08-MX7	B369
D100MTTB1330KM63	B387
D25MTTB400	B386
D2FIX110403LHP KCU10	E9
D2FIX110403RHP KCP25	E9
D2FIX110403RHP KCU10	E9
D2FIX110404RHP KCU25	E9
D2FIX110405LMN KCP25	E9
D2FIX110405LMN KCP40	E9
D2FIX110405RMN KCP25	E9
D2FIX110405RMN KCP40	E9
D2FIX150503LHP KCU10	E9
D2FIX150503LMS KCU10	E10
D2FIX150503RHP KCP25	E9
D2FIX150503RHP KCU10	E9
D2FIX150503RMN KCP25	E9
D2FIX150503RMS KCU10	E10
D2FIX150504RHP KCU10	E9
D2FIX150504RHP KCU25	E9
D2FIX150504RMN KCP25	E9
D2FIX150505LMN KCP25	E9
D2FIX150505LMS KCU10	E10
D2FIX150505LRN KCP25	E10
D2FIX150505RFN KCP25	E10
D2FIX150505RFN KCU10	E10
D2FIX150505RMN KCP10	E9
D2FIX150505RMN KCP25	E9
D2FIX150505RMN KCP40	E9
D2FIX150505RMS KCU10	E10
D2FIX150505RRN KCP10	E10
D2FIX150505RRN KCP40	E10
D2FIX150508LHP KCU10	E9
D2FIX150508LMN KCP25	E9
D2FIX150508RHP KCU10	E9
D2FIX150508RHP KCU25	E9
D2FIX150508RMN KCP25	E9
D315CFA	S33
D32MTTB447	B386
D355CFA	S33
D4007T S	V87–89
D4008T S	V87–89, V93–94
D400CFA	S33
D4010T S	V18–19, V21, V94, V101–104
D4012T S	V21
D40MTTB530	B386
D40MTTB560KM40	B387
D4FIX140603RMN KCP10	E11
D4FIX140603RMN KCP25	E11
D4FIX140604RMN KCP40	E11
D4FIX140604RMN KCU25	E11
D4FIX140605RMN KCP10	E11
D4FIX140605RMN KCP25	E11
D4FIX140608LMN KCP25	E11
D4FIX140608RMN KCP10	E11
D4FIX140608RMN KCP25	E11
D4FIX140608RMN KCU10	E11
D4FIX140608RMN KCU25	E11
D500CFA	S33
D5013T S	V101–102, V104
D50MTTB700	B386
D50MTTB737KM40	B387
D6014T S	V102
D60MTTB1000KM40	B387
D80MTTB1120KM63	B387
DCGM11T304S01325MTCB1 KBH20	B311
DCGR150404 KC5010	E28
DCGR150404 KCU10	E28
DCGR150404 KCU25	E28
DCGR150404FP KCP25	E28
DCGR150404FP KCU10	E28
DCGR150408 K68	E28
DCGR150408 KC5010	E28
DCGR150408 KCU10	E28
DCGR150408 KCU25	E28
DCGR150408 KD1425	E28
DCGR150408FP KCM25	E28
DCGR150408FP KCP10	E28
DCGR150412 KC5010	E28
DCGR150412 KCU25	E28
DCGT070201LF KC5010	B206
DCGT070201LF KC5025	B206
DCGT070201LF KCU10	B206
DCGT070202HP K313	B206
DCGT070202HP KC5010	B206
DCGT070202HP KC5025	B206
DCGT070202HP KC5410	B206
DCGT070202HP KCU10	B206
DCGT070202HP KCU25	B206
DCGT070204HP K313	B206
DCGT070204HP KC5010	B206
DCGT070204HP KC5025	B206
DCGT070204HP KC5410	B206
DCGT070204HP KCU10	B206
DCGT070204HP KCU25	B206
DCGT070208HP KC5010	B206
DCGT070208HP KC5025	B206
DCGT070208HP KC5410	B206
DCGT070208HP KCU10	B206
DCGT0702X0LF KC5025	B206
DCGT11T301LF KC5010	B206
DCGT11T301LF KC5025	B206
DCGT11T301LF KCU10	B206
DCGT11T302HP K313	B206
DCGT11T302HP KC5010	B206
DCGT11T302HP KC5025	B206
DCGT11T302HP KC5410	B206
DCGT11T302HP KCU10	B206
DCGT11T302HP KCU25	B206
DCGT11T304HP K313	B206
DCGT11T304HP KC5010	B206
DCGT11T304HP KC5025	B206
DCGT11T304HP KC5410	B206
DCGT11T304HP KCU10	B206
DCGT11T304HP KCU25	B206
DCGT11T308HP K313	B206
DCGT11T308HP KC5010	B206
DCGT11T308HP KC5025	B206
DCGT11T308HP KC5410	B206
DCGT11T308HP KCU10	B206
DCGT11T308HP KCU25	B206
DCGT11T3X0LF KC5025	B206
DCGT150408LF KC5010	B206
DCGT150408LF KCU10	B206
DCGW070202S01015C KB5630	B291, B312
DCGW070202S01225MT KBH20	B312
DCGW070204FST KD1400	B346
DCGW070204FST KD1425	B346
DCGW070204S01015C KB5630	B291, B312
DCGW070204S01015MT KBH20	B312
DCGW070204S01225MT KBH20	B312
DCGW11T302S01015MT KBH10	B312
DCGW11T302S01225MT KBH20	B312
DCGW11T304FST KD1400	B346
DCGW11T304FST KD1425	B346
DCGW11T304S01015MT KB1345	B291
DCGW11T304S01015MT KB5630	B291, B312
DCGW11T304S01015MT KBH10	B312
DCGW11T304S01015MT KBH20	B312
DCGW11T304S01225MT KBH10	B312
DCGW11T304S01225MT KBH20	B312
DCGW11T308S01015FWMT KBH10	B312
DCGW11T308S01015FWMT KBH20	B312
DCGW11T308S01015MT KB1345	B291
DCGW11T308S01015MT KB5630	B291, B312
DCGW11T308S01015MT KBH10	B312
DCGW11T308S01015MT KBH20	B312
DCGW11T308S01225FWMT KBH10	B312
DCGW11T308S01225MT KBH10	B312
DCGW11T308S01225MT KBH20	B312
DCGW70202S01015MT KBH10	B312
DCGW70204S01015MT KBH10	B312
DCGW70204S01225MT KBH10	B312
DCKNL2020K12KC04	B58
DCKNL2525M12KC04	B58
DCKNL3225P12KC04	B58
DCKNR2020K12KC04	B58
DCKNR2525M12KC04	B58
DCKNR3225P12KC04	B58
DCKNR3232P16KC06	B58
DCLNL2020K12KC04	B59
DCLNL2525M12KC04	B59
DCLNL2525M16KC06	B59
DCLNL3225P12KC04	B59
DCLNL3225P16KC06	B59
DCLNL3232P16KC06	B59
DCLNL3232P19KC06	B59

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
DCLNL4040S19KC06	B59
DCLNR1616H09KC03	B59
DCLNR2020K12KC04	B59
DCLNR2525M12KC04	B59
DCLNR2525M16KC06	B59
DCLNR3225P12KC04	B59
DCLNR3225P16KC06	B59
DCLNR3232P16KC06	B59
DCLNR3232P19KC06	B59
DCLNR4040S19KC06	B59
DCMT070202211 KT315	B206
DCMT070202FP KCM25	B207
DCMT070202FP KCP25B	B207
DCMT070202FP KCU10	B207
DCMT070202FP KTP10	B207
DCMT070202LF K313	B207
DCMT070202LF KC5010	B207
DCMT070202LF KC5025	B207
DCMT07020411 KT315	B206
DCMT070204FP KCM15	B207
DCMT070204FP KCM25	B207
DCMT070204FP KCM25B	B207
DCMT070204FP KCP10	B207
DCMT070204FP KCP25	B207
DCMT070204FP KCU10	B207
DCMT070204FP KCU25	B207
DCMT070204LF K313	B207
DCMT070204LF KC5010	B207
DCMT070204LF KC5025	B207
DCMT070204LF KCK15B	B207
DCMT070204LF KCK20	B207
DCMT070204LF KCM15	B207
DCMT070204LF KCM15B	B207
DCMT070204LF KCM25	B207
DCMT070204LF KCM25B	B207
DCMT070204LF KCM35	B207
DCMT070204LF KCP10	B207
DCMT070204LF KCP10B	B207
DCMT070204LF KCP25	B207
DCMT070204LF KCP25B	B207
DCMT070204LF KCP30	B207
DCMT070204LF KT315	B207
DCMT070204UF KC5010	B208
DCMT070204UF KCP25	B208
DCMT070208FP KCM25	B207
DCMT070208FP KCM25B	B207
DCMT070208FP KCP05	B207
DCMT070208FP KCP25	B207
DCMT070208FP KCP25B	B207
DCMT070208FP KCU10	B207
DCMT11T302FP KCM25	B207
DCMT11T302FP KCM25B	B207
DCMT11T302FP KCP10B	B207
DCMT11T302FP KCP25	B207
DCMT11T302FP KCP25B	B207
DCMT11T302FP KCU10	B207
DCMT11T302FP KCU25	B207
DCMT11T302FP KTP10	B207
DCMT11T302LF KC5010	B207
DCMT11T302LF KC5025	B207
DCMT11T302LF KT315	B207
DCMT11T302UF KC5010	B208
DCMT11T302UF KCP05	B208
DCMT11T30411 KT315	B206
DCMT11T304FP KCM15	B207
DCMT11T304FP KCM25	B207
DCMT11T304FP KCM25B	B207
DCMT11T304FP KCP05	B207
DCMT11T304FP KCP10	B207
DCMT11T304FP KCP10B	B207
DCMT11T304FP KCP25	B207
DCMT11T304FP KCP25B	B207
DCMT11T304FP KCU10	B207
DCMT11T304FP KCU25	B207
DCMT11T304FP KTP10	B207
DCMT11T304FW KC5010	B207
DCMT11T304FW KCK20	B207
DCMT11T304FW KCP25	B207
DCMT11T304FW KCU10	B207
DCMT11T304LF K313	B207
DCMT11T304LF KC5010	B207
DCMT11T304LF KC5025	B207
DCMT11T304LF KCK05	B207
DCMT11T304LF KCK15	B207
DCMT11T304LF KCK20	B207
DCMT11T304LF KCK20B	B207
DCMT11T304LF KCM15	B207
DCMT11T304LF KCM15B	B207
DCMT11T304LF KCM25	B207
DCMT11T304LF KCM25B	B207
DCMT11T304LF KCP05	B207
DCMT11T304LF KCP10	B207
DCMT11T304LF KCP10B	B207
DCMT11T304LF KCP25	B207
DCMT11T304LF KCP25B	B207
DCMT11T304LF KCP30	B207
DCMT11T304LF KT315	B207
DCMT11T304MF KCK15	B208
DCMT11T304MF KCK20	B208
DCMT11T304MF KCM15	B208
DCMT11T304MF KCM25	B208
DCMT11T304MF KCM25B	B208
DCMT11T304MF KCP10	B208
DCMT11T304MF KCP10B	B208
DCMT11T304MF KCP25	B208
DCMT11T304MF KCP25B	B208
DCMT11T304MF KCP30	B208
DCMT11T304MP KCP10	B208
DCMT11T304MP KCP25	B208
DCMT11T304MP KCU10	B208
DCMT11T304MW KCU10	B208
DCMT11T304UF KC5010	B208
DCMT11T304UF KCP05	B208
DCMT11T304UF KCP10B	B208
DCMT11T304UF KCP25B	B208
DCMT11T30811 KT315	B206
DCMT11T308FP KCK20B	B207
DCMT11T308FP KCM15	B207
DCMT11T308FP KCM25	B207
DCMT11T308FP KCM25B	B207
DCMT11T308FP KCP05	B207
DCMT11T308FP KCP10	B207
DCMT11T308FP KCP10B	B207
DCMT11T308FP KCP25	B207
DCMT11T308FP KCU10	B207
DCMT11T308FP KCU25	B207
DCMT11T308FP KTP10	B207
DCMT11T308FW KCP25	B207
DCMT11T308FW KCU10	B207
DCMT11T308FW KT315	B207
DCMT11T308LF K313	B207
DCMT11T308LF KC5010	B207
DCMT11T308LF KC5025	B207
DCMT11T308LF KCK05	B207
DCMT11T308LF KCK15	B207
DCMT11T308LF KCK15B	B207
DCMT11T308LF KCK20	B207
DCMT11T308LF KCK20B	B207
DCMT11T308LF KCM15	B207
DCMT11T308LF KCM15B	B207
DCMT11T308LF KCM25	B207
DCMT11T308LF KCM25B	B207
DCMT11T308LF KCP10	B207
DCMT11T308LF KCP10B	B207
DCMT11T308LF KCP25	B207
DCMT11T308LF KCP25B	B207
DCMT11T308LF KCU10	B207
DCMT11T308LF KT315	B207
DCMT11T308MF KCK15	B208
DCMT11T308MF KCK20	B208
DCMT11T308MF KCM15	B208
DCMT11T308MF KCM15B	B208
DCMT11T308MF KCM25	B208
DCMT11T308MF KCM35	B208
DCMT11T308MF KCP10	B208
DCMT11T308MF KCP10B	B208
DCMT11T308MF KCP25	B208
DCMT11T308MF KCP25B	B208
DCMT11T308MF KCP30	B208
DCMT11T308MP KCK20	B208
DCMT11T308MP KCK20B	B208
DCMT11T308MP KCM15	B208
DCMT11T308MP KCM25	B208
DCMT11T308MP KCM25B	B208
DCMT11T308MP KCP10	B208
DCMT11T308MP KCP25	B208
DCMT11T308MP KCU10	B208
DCMT11T308MW KCP25	B208
DCMT11T308MW KCU10	B208
DCMT11T308UF KC5010	B208
DCMT11T308UF KCP05	B208
DCMT11T308UF KCP10	B208
DCMT11T308UF KCP10B	B208
DCMT11T308UF KCP25	B208
DCMT11T312FP KCP10	B207
DCMT11T312LF KC5010	B207
DCMT11T312LF KCP10	B207
DCMT11T312LF KCP10B	B207
DCMT11T312LF KCP25	B207
DCMT11T312MF KCK15	B208
DCMT11T312MF KCK20	B208
DCMT11T312MF KCK20B	B208
DCMT11T312MF KCP10	B208
DCMT11T312MF KCP10B	B208
DCMT11T312MF KCP25B	B208
DCMT11T312MP KCP25	B208
DCMT11T312MP KCU10	B208
DCMT150404FP KCM25	B207
DCMT150404FP KCP10	B207
DCMT150404LF KC5010	B207
DCMT150404LF KC5025	B207
DCMT150404LF KCP10	B207
DCMT150404LF KCP25B	B207
DCMT150408FP KCM25	B207
DCMT150408FP KCP05	B207
DCMT150408FP KCP25	B207
DCMT150408FP KCU10	B207
DCMT150408LF KC5010	B207
DCMT150408LF KC5025	B207
DCMT150408LF KCK20	B207
DCMT150408LF KCP10	B207
DCMT150408LF KCP10B	B207
DCMT150408LF KCP25	B207
DCMT150408LF KCP25B	B207
DCRNL2525M12KC04	B60
DCRNL3232P16KC06	B60
DCRNR2020K12KC04	B60
DCRNR2525M12KC04	B60
DCRNR3225P12KC04	B60
DCRNR3232P19KC06	B60
DCSNL2525M12KC04	B60
DCSNR2020K12KC04	B60
DCSNR2525M12KC04	B60
DDJNL2020K11KC04	B85
DDJNL2020K15KC06	B85
DDJNL2525M11KC04	B85
DDJNL2525M15KC06	B85
DDJNL3225P15KC06	B85
DDJNL3232P15KC06	B85
DDJNR2020K11KC04	B85
DDJNR2020K15KC06	B85
DDJNR2525M11KC04	B85
DDJNR2525M15KC06	B85
DDJNR3225P15KC06	B85
DDJNR3232P15KC06	B85
DDNNR2020K15KC06	B85
DDNNR2525M15KC06	B85
DFC040310D28DS KCU40	H90
DFC040310D28HP KCU25	H90
DFC040310D28HP KCU40	H90
DFC040310D28MD KC7140	H90
DFC05T312D32DS KCU40	H90
DFC05T312D32HP KCU25	H90
DFC05T312D32HP KCU40	H90
DFC05T312D32MD KC7140	H90
DFC06T312D36DS KCU40	H90
DFC06T312D36HP KCU25	H90
DFC06T312D36HP KCU40	H90
DFC06T312D36MD KC7140	H90
DFC070416D45DS KCU40	H90
DFC070416D45HP KCU25	H90
DFC070416D45HP KCU40	H90
DFC070416D45MD KC7140	H90
DFC090520D56DS KCU40	H90
DFC090520D56HP KCU25	H90
DFC090520D56HP KCU40	H90
DFC090520D56MD KC7140	H90
DFR020204GD KC7140	J84
DFR020204GD KCPK10	J84
DFR020204GD KCU25	J84
DFR020204GD KCU40	J84
DFR020204LD KC7140	J84
DFR020204LD KCPK10	J84
DFR020204LD KCU25	J84
DFR020204LD KCU40	J84
DFR020204MD KC7140	J84
DFR020204MD KCU25	J84
DFR020204MD KCU40	J84
DFR030204GD KC7140	J84
DFR030204GD KCPK10	J84
DFR030204GD KCU25	J84
DFR030204GD KCU40	J84
DFR030204LD KC7140	J84
DFR030204LD KCPK10	J84
DFR030204LD KCU25	J84
DFR030204LD KCU40	J84
DFR030204MD KC7140	J84
DFR030204MD KCU25	J84
DFR030204MD KCU40	J84
DFR040304D28GD KCU25	H89
DFR040304D28GD KCU40	H89
DFR040304D28LD KC7225	H89
DFR040304D28MD KC7140	H89, J84
DFR040304GD KC7140	J84
DFR040304GD KCPK10	J84
DFR040304GD KCU25	J84
DFR040304GD KCU40	J84
DFR040304LD KC7140	J84
DFR040304LD KCPK10	J84
DFR040304LD KCU25	J84
DFR040304LD KCU40	J84
DFR040304MD KC7140	J84
DFR040304MD KCU25	J84
DFR040304MD KCU40	J84
DFR040304ST KD1425	J85
DFR125R2WB20M	J13
DFR125R2WD20M	J10
DFR125R3WB20M	J14
DFR125R3WD20M	J11
DFR125R4WB20M	J15
DFR125R4WD20M	J12
DFR127R2WB20M	J13
DFR127R2WD20M	J10
DFR127R3WB20M	J14
DFR127R3WD20M	J11
DFR127R4WB20M	J15
DFR127R4WD20M	J12
DFR130R2WB20M	J13
DFR130R2WD20M	J10
DFR130R3WB20M	J14
DFR130R3WD20M	J11
DFR130R4WB20M	J15
DFR130R4WD20M	J12
DFR135R2WB20M	J13
DFR135R2WD20M	J10
DFR135R3WB20M	J14
DFR135R3WD20M	J11
DFR135R4WB20M	J15
DFR135R4WD20M	J12
DFR140R2WB20M	J13
DFR140R2WD20M	J10
DFR140R3WB20M	J14
DFR140R3WD20M	J11
DFR140R4WB20M	J15
DFR140R4WD20M	J12
DFR145R2WB20M	J13
DFR145R2WD20M	J10
DFR145R3WB20M	J14
DFR145R3WD20M	J11
DFR145R4WB20M	J15
DFR145R4WD20M	J12
DFR150R2WB20M	J13
DFR150R2WD20M	J10
DFR150R3WB20M	J14
DFR150R3WD20M	J11
DFR150R4WB20M	J15
DFR150R4WD20M	J12
DFR155R2WB20M	J13

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
DFR155R2WD20M	J10
DFR155R3WB20M	J14
DFR155R3WD20M	J11
DFR155R4WB20M	J15
DFR155R4WD20M	J12
DFR160R2WB20M	J13
DFR160R2WD20M	J10
DFR160R3WB20M	J14
DFR160R3WD20M	J11
DFR160R4WB20M	J15
DFR160R4WD20M	J12
DFR165R2WB20M	J13
DFR165R2WD32M	J10
DFR165R3WB20M	J14
DFR165R3WD32M	J11
DFR165R4WB20M	J15
DFR165R4WD32M	J12
DFR170R2WB20M	J13
DFR170R2WD32M	J10
DFR170R3WB20M	J14
DFR170R3WD32M	J11
DFR170R4WB20M	J15
DFR170R4WD32M	J12
DFR175R2WD32M	J10
DFR175R3WD25M	J11
DFR175R3WD32M	J11
DFR175R4WD32M	J12
DFR180R2WD32M	J10
DFR180R3WD25M	J11
DFR180R3WD32M	J11
DFR180R4WD32M	J12
DFR185R2WD32M	J10
DFR185R3WD25M	J11
DFR185R3WD32M	J11
DFR185R4WD32M	J12
DFR190R2WD32M	J10
DFR190R3WD25M	J11
DFR190R3WD32M	J11
DFR190R4WD32M	J12
DFR195R2WD32M	J10
DFR195R3WD25M	J11
DFR195R3WD32M	J11
DFR195R4WD32M	J12
DFR200R2WD32M	J10
DFR200R3WD25M	J11
DFR200R3WD32M	J11
DFR200R4WD32M	J12
DFR205R2WD32M	J10
DFR205R3WD25M	J11
DFR205R3WD32M	J11
DFR205R4WD32M	J12
DFR210R2WD32M	J10
DFR210R3WD25M	J11
DFR210R3WD32M	J11
DFR210R4WD32M	J12
DFR220R2WD32M	J10
DFR220R3WD25M	J11
DFR220R3WD32M	J11
DFR220R4WD32M	J12
DFR230R2WD32M	J10
DFR230R3WD25M	J11
DFR230R3WD32M	J11
DFR230R4WD32M	J12
DFR240R2WD32M	J10
DFR240R3WD25M	J11
DFR240R3WD32M	J11
DFR240R4WD32M	J12
DFSP140R2WB20M	J30
DFSP140R2WD20M	J22
DFSP140R3WB20M	J32
DFSP140R3WD20M	J24
DFSP140R4WB20M	J34
DFSP140R4WD20M	J26
DFSP140R5WB20M	J36
DFSP145R2WB20M	J30
DFSP145R2WD20M	J22
DFSP145R3WB20M	J32
DFSP145R3WD20M	J24
DFSP145R4WB20M	J34
DFSP145R4WD20M	J26
DFSP145R5WB20M	J36
DFSP150R2WB20M	J30
DFSP150R2WD20M	J22
DFSP150R3WB20M	J32
DFSP150R3WD20M	J24
DFSP150R4WB20M	J34
DFSP150R4WD20M	J26
DFSP150R5WB20M	J36
DFSP155R2WB20M	J30
DFSP155R2WD20M	J22
DFSP155R3WB20M	J32
DFSP155R3WD20M	J24
DFSP155R4WB20M	J34
DFSP155R4WD20M	J26
DFSP155R5WB20M	J36
DFSP160R2WB20M	J30
DFSP160R2WD20M	J22
DFSP160R3WB20M	J32
DFSP160R3WD20M	J24
DFSP160R4WB20M	J34
DFSP160R4WD20M	J26
DFSP160R5WB20M	J36
DFSP165R2WB20M	J30
DFSP165R2WD32M	J22
DFSP165R3WB20M	J32
DFSP165R3WD32M	J24
DFSP165R4WB20M	J34
DFSP165R4WD20M	J26
DFSP165R5WB20M	J36
DFSP170R2WB20M	J30–31
DFSP170R2WD32M	J22–23
DFSP170R3WB20M	J32–33
DFSP170R3WD32M	J24–25
DFSP170R4WB20M	J34–35
DFSP170R4WD20M	J26–27
DFSP170R5WB20M	J36–37
DFSP175R2WB25M	J30
DFSP175R2WD32M	J22
DFSP175R3WB25M	J32
DFSP175R3WD32M	J24
DFSP175R4WB25M	J34
DFSP175R4WD32M	J26
DFSP175R5WB25M	J36
DFSP180R2WB25M	J30
DFSP180R2WD32M	J22
DFSP180R3WB25M	J32
DFSP180R3WD32M	J24
DFSP180R4WB25M	J34
DFSP180R4WD32M	J26
DFSP180R5WB25M	J36
DFSP185R2WB25M	J30
DFSP185R2WD32M	J22
DFSP185R3WB25M	J32
DFSP185R3WD32M	J24
DFSP185R4WB25M	J34
DFSP185R4WD32M	J26
DFSP185R5WB25M	J36
DFSP190R2WB25M	J30
DFSP190R2WD32M	J22
DFSP190R3WB25M	J32
DFSP190R3WD32M	J24
DFSP190R4WB25M	J34
DFSP190R4WD32M	J26
DFSP190R5WB25M	J36
DFSP195R2WB25M	J30
DFSP195R2WD32M	J22
DFSP195R3WB25M	J32
DFSP195R3WD32M	J24
DFSP195R4WB25M	J34
DFSP195R4WD32M	J26
DFSP195R5WB25M	J36
DFSP200R2WB25M	J30
DFSP200R2WD32M	J22
DFSP200R3WB25M	J32
DFSP200R3WD32M	J24
DFSP200R4WB25M	J34
DFSP200R4WD32M	J26
DFSP200R5WB25M	J36
DFSP200R5WD32M	J28
DFSP205R2WB25M	J30
DFSP205R3WB25M	J32
DFSP205R4WB25M	J34
DFSP205R5WB25M	J36
DFSP209R2WB25M	J30
DFSP209R3WB25M	J32
DFSP209R4WB25M	J34
DFSP209R5WB25M	J36
DFSP210R2WB25M	J30
DFSP210R2WD32M	J22–23
DFSP210R3WB25M	J32
DFSP210R3WD32M	J24–25
DFSP210R4WB25M	J34
DFSP210R4WD32M	J26–27
DFSP210R5WB25M	J36
DFSP210R5WD32M	J28–29
DFSP215R2WB25M	J30–31
DFSP215R3WB25M	J32–33
DFSP215R4WB25M	J34–35
DFSP215R5WB25M	J36–37
DFSP220R2WB25M	J30
DFSP220R2WD32M	J22
DFSP220R3WB25M	J32
DFSP220R3WD32M	J24
DFSP220R4WB25M	J34
DFSP220R4WD32M	J26
DFSP220R5WB25M	J36
DFSP220R5WD32M	J28
DFSP225R2WB25M	J30
DFSP225R3WB25M	J32
DFSP225R4WB25M	J34
DFSP225R5WB25M	J36
DFSP230R2WB25M	J30
DFSP230R2WD32M	J22
DFSP230R3WB25M	J32
DFSP230R3WD32M	J24
DFSP230R4WB25M	J34
DFSP230R4WD32M	J26
DFSP230R5WB25M	J36
DFSP230R5WD32M	J28
DFSP235R2WB25M	J30
DFSP235R3WB25M	J32
DFSP235R4WB25M	J34
DFSP235R5WB25M	J36
DFSP239R2WB25M	J30
DFSP239R3WB25M	J32
DFSP239R4WB25M	J34
DFSP239R5WB25M	J36
DFSP240R2WB25M	J30
DFSP240R2WD32M	J22
DFSP240R3WB25M	J32
DFSP240R3WD32M	J24
DFSP240R4WB25M	J34
DFSP240R4WD32M	J26
DFSP240R5WB25M	J36
DFSP240R5WD32M	J28
DFSP245R2WB25M	J30
DFSP245R3WB25M	J32
DFSP245R4WB25M	J34
DFSP245R5WB25M	J36
DFSP250R2WB25M	J30
DFSP250R2WD32M	J22–23
DFSP250R3WB25M	J32
DFSP250R3WD32M	J24–25
DFSP250R4WB25M	J34
DFSP250R4WD32M	J26–27
DFSP250R5WB25M	J36
DFSP250R5WD32M	J28–29
DFSP255R2WB25M	J30–31
DFSP255R3WB25M	J32–33
DFSP255R4WB25M	J34–35
DFSP255R5WB25M	J36–37
DFSP260R2WB32M	J30
DFSP260R2WD32M	J22
DFSP260R3WB32M	J32
DFSP260R3WD32M	J24
DFSP260R4WB32M	J34
DFSP260R4WD32M	J26
DFSP260R5WB32M	J36
DFSP260R5WD32M	J28
DFSP264R2WB32M	J30
DFSP264R3WB32M	J32
DFSP264R4WB32M	J34
DFSP264R5WB32M	J36
DFSP265R2WB32M	J30
DFSP265R2WD32M	J22
DFSP265R3WB32M	J32
DFSP265R3WD32M	J24
DFSP265R4WB32M	J34
DFSP265R4WD32M	J26
DFSP265R5WB32M	J36
DFSP265R5WD32M	J28
DFSP270R2WB32M	J30
DFSP270R2WD32M	J22
DFSP270R3WB32M	J32
DFSP270R3WD32M	J24
DFSP270R4WB32M	J34
DFSP270R4WD32M	J26
DFSP270R5WB32M	J36
DFSP270R5WD32M	J28
DFSP280R2WB32M	J30
DFSP280R2WD32M	J22
DFSP280R3WB32M	J32
DFSP280R3WD32M	J24
DFSP280R4WB32M	J34
DFSP280R4WD32M	J26
DFSP280R5WB32M	J36
DFSP280R5WD32M	J28
DFSP290R2WB32M	J30
DFSP290R2WD32M	J22
DFSP290R3WB32M	J32
DFSP290R3WD32M	J24
DFSP290R4WB32M	J34
DFSP290R4WD32M	J26
DFSP290R5WB32M	J36
DFSP290R5WD32M	J28
DFSP294R2WB32M	J30
DFSP294R3WB32M	J33
DFSP294R4WB32M	J35
DFSP294R5WB32M	J37
DFSP300R2WB32M	J30
DFSP300R2WD32M	J22
DFSP300R3WB32M	J33
DFSP300R3WD32M	J24
DFSP300R4WB32M	J35
DFSP300R4WD32M	J26
DFSP300R5WB32M	J37
DFSP300R5WD32M	J28
DFSP310R2WB40M	J30
DFSP310R2WD32M	J22
DFSP310R3WB40M	J33
DFSP310R3WD32M	J24
DFSP310R4WB40M	J35
DFSP310R4WD32M	J26
DFSP310R5WB40M	J37
DFSP310R5WD32M	J28
DFSP320R2WB40M	J30–31
DFSP320R2WD32M	J22–23
DFSP320R3WB40M	J33
DFSP320R3WD32M	J24–25
DFSP320R4WB40M	J35
DFSP320R4WD32M	J26–27
DFSP320R5WB40M	J37
DFSP320R5WD32M	J28–29
DFSP330R2WB40M	J31
DFSP330R2WD32M	J22
DFSP330R3WB40M	J33
DFSP330R3WD32M	J24
DFSP330R4WB40M	J35
DFSP330R4WD32M	J26
DFSP330R5WB40M	J37
DFSP330R5WD32M	J28
DFSP340R2WB40M	J31
DFSP340R2WD32M	J22
DFSP340R3WB40M	J33
DFSP340R3WD32M	J24
DFSP340R4WB40M	J35
DFSP340R4WD32M	J26
DFSP340R5WB40M	J37
DFSP340R5WD32M	J28
DFSP350R2WB40M	J31
DFSP350R2WD32M	J22
DFSP350R3WB40M	J33
DFSP350R3WD32M	J24
DFSP350R4WB40M	J35
DFSP350R4WD32M	J26
DFSP350R5WB40M	J37
DFSP350R5WD32M	J28
DFSP360R2WB40M	J31

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
DFSP360R2WD32M	J22
DFSP360R3WB40M	J33
DFSP360R3WD32M	J24
DFSP360R4WB40M	J35
DFSP360R4WD32M	J26
DFSP360R5WB40M	J37
DFSP360R5WD32M	J28
DFSP370R2WB40M	J31
DFSP370R2WD32M	J22
DFSP370R3WB40M	J33
DFSP370R3WD32M	J24
DFSP370R4WB40M	J35
DFSP370R4WD32M	J26
DFSP370R5WB40M	J37
DFSP370R5WD32M	J28
DFSP375R2WD32M	J22
DFSP375R3WD32M	J24
DFSP375R4WD32M	J26
DFSP375R5WD32M	J28
DFSP380R2WB40M	J31
DFSP380R2WD32M	J22
DFSP380R3WB40M	J33
DFSP380R3WD32M	J24
DFSP380R4WB40M	J35
DFSP380R4WD32M	J26
DFSP380R5WB40M	J37
DFSP380R5WD32M	J28
DFSP390R2WB40M	J31
DFSP390R2WD32M	J22
DFSP390R3WB40M	J33
DFSP390R3WD32M	J24
DFSP390R4WB40M	J35
DFSP390R4WD32M	J26
DFSP390R5WB40M	J37
DFSP390R5WD32M	J28
DFSP400R2WB40M	J31
DFSP400R2WD32M	J22–23
DFSP400R3WB40M	J33
DFSP400R3WD32M	J24–25
DFSP400R4WB40M	J35
DFSP400R4WD32M	J26–27
DFSP400R5WB40M	J37
DFSP400R5WD32M	J28–29
DFSP410R2WD32M	J22
DFSP410R3WD32M	J24
DFSP410R4WD32M	J26
DFSP410R5WD32M	J28
DFSP420R2WD32M	J23
DFSP420R3WD32M	J25
DFSP420R4WD32M	J27
DFSP420R5WD32M	J28
DFSP430R2WD32M	J23
DFSP430R3WD32M	J25
DFSP430R4WD32M	J27
DFSP430R5WD32M	J28–29
DFSP440R2WD32M	J23
DFSP440R3WD32M	J25
DFSP440R4WD32M	J27
DFSP440R5WD32M	J28
DFSP450R2WD40M	J23
DFSP450R3WD40M	J25
DFSP450R4WD40M	J27
DFSP450R5WD40M	J28
DFSP460R2WD40M	J23
DFSP460R3WD40M	J25
DFSP460R4WD40M	J27
DFSP460R5WD40M	J28
DFSP470R2WD40M	J23
DFSP470R3WD40M	J25
DFSP470R4WD40M	J27
DFSP470R5WD40M	J28
DFSP480R2WD40M	J23
DFSP480R3WD40M	J25
DFSP480R4WD40M	J27
DFSP480R5WD40M	J28–29
DFSP490R2WD40M	J23
DFSP490R3WD40M	J25
DFSP490R4WD40M	J27
DFSP490R5WD40M	J28
DFSP500R2WD40M	J23
DFSP500R3WD40M	J25
DFSP500R4WD40M	J27
DFSP500R5WD40M	J28
DFSP505R2WD40M	J23
DFSP505R3WD40M	J25
DFSP510R2WD40M	J23
DFSP510R3WD40M	J25
DFSP510R4WD40M	J27
DFSP510R5WD40M	J28
DFSP520R2WD40M	J23
DFSP520R3WD40M	J25
DFSP520R4WD40M	J27
DFSP520R5WD40M	J28
DFSP530R2WD40M	J23
DFSP530R3WD40M	J25
DFSP530R4WD40M	J27
DFSP530R5WD40M	J28
DFSP540R2WD40M	J23
DFSP540R3WD40M	J25
DFSP540R4WD40M	J27
DFSP540R5WD40M	J28
DFSP550R2WD50M	J23
DFSP550R3WD50M	J25
DFSP550R4WD50M	J27
DFSP550R5WD50M	J28–29
DFT030204GD KCPK10	J87
DFT030204GD KCU25	J87
DFT030204GD KCU40	J87
DFT030204HP KC7140	J87
DFT030204HP KCPK10	J87
DFT030204HP KCU25	J87
DFT030204HP KCU40	J87
DFT030204HP KMF	J87
DFT030204MD KC7140	J87
DFT030204MD KCU25	J87
DFT030204MD KCU40	J87
DFT030304DS KCU40	J88
DFT030304GD KC7140	J87
DFT030304GD KCPK10	J87
DFT030304GD KCU25	J87
DFT030304GD KCU40	J87
DFT030304HP KC7140	J87
DFT030304HP KCPK10	J87
DFT030304HP KCU25	J87
DFT030304HP KCU40	J87
DFT030304HP KMF	J87
DFT030304MD KC7140	J87
DFT030304MD KCU25	J87
DFT030304MD KCU40	J87
DFT05T308D32DS KCU40	H88
DFT05T308D32HP KCU25	H88
DFT05T308D32HP KCU40	H88
DFT05T308D32MD KC7140	H89
DFT05T308D33DS KCU40	H88
DFT05T308D33HP KCU25	H88
DFT05T308D33HP KCU40	H88
DFT05T308D33MD KC7140	H89
DFT05T308DS KCU40	J88
DFT05T308GD KC7140	J87
DFT05T308GD KCPK10	J87
DFT05T308GD KCU25	J87
DFT05T308GD KCU40	J87
DFT05T308HP KC7140	J87
DFT05T308HP KCPK10	J87
DFT05T308HP KCU25	J87
DFT05T308HP KCU40	J87
DFT05T308HP KMF	J87
DFT05T308MD KC7140	J87
DFT05T308MD KCU25	J87
DFT05T308MD KCU40	J87
DFT05T308ST KD1425	J85
DFT06T308D36DS KCU40	H88
DFT06T308D36HP KCU25	H88
DFT06T308D36HP KCU40	H88
DFT06T308D36MD KC7140	H89
DFT06T308D39DS KCU40	H88
DFT06T308D39HP KCU25	H88
DFT06T308D39HP KCU40	H88
DFT06T308D39MD KC7140	H89
DFT06T308D44DS KCU40	H88
DFT06T308D44HP KCU25	H88
DFT06T308D44HP KCU40	H88
DFT06T308D44MD KC7140	H89
DFT06T308DS KCU40	J88
DFT06T308GD KC7140	J87
DFT06T308GD KCPK10	J87
DFT06T308GD KCU25	J87
DFT06T308GD KCU40	J87
DFT06T308HP KC7140	J87
DFT06T308HP KCPK10	J87
DFT06T308HP KCU25	J87
DFT06T308HP KCU40	J87
DFT06T308HP KMF	J87
DFT06T308MD KC7140	J87
DFT06T308MD KCU25	J87
DFT06T308MD KCU40	J87
DFT06T308ST KD1425	J85
DFT070408D45DS KCU40	H88
DFT070408D45HP KCU25	H88
DFT070408D45HP KCU40	H88
DFT070408D45MD KC7140	H89
DFT070408D50DS KCU40	H88
DFT070408D50HP KCU25	H88
DFT070408D50HP KCU40	H88
DFT070408D50MD KC7140	H89
DFT070408DS KCU40	J88
DFT070408GD KC7140	J87
DFT070408GD KCPK10	J87
DFT070408GD KCU25	J87
DFT070408GD KCU40	J87
DFT070408HP KC7140	J87
DFT070408HP KCPK10	J87
DFT070408HP KCU25	J87
DFT070408HP KCU40	J87
DFT070408HP KMF	J87
DFT070408MD KC7140	J87
DFT070408MD KCU25	J87
DFT070408MD KCU40	J87
DFT070408ST KD1425	J85
DFT090508D56DS KCU40	H88
DFT090508D56HP KCU25	H88
DFT090508D56HP KCU40	H88
DFT090508D56MD KC7140	H89
DFT090508D63DS KCU40	H88
DFT090508D63HP KCU25	H88
DFT090508D63HP KCU40	H88
DFT090508D63MD KC7140	H89
DFT090508DS KCU40	J88
DFT090508GD KC7140	J87
DFT090508GD KCPK10	J87
DFT090508GD KCU25	J87
DFT090508GD KCU40	J87
DFT090508HP KC7140	J87
DFT090508HP KCPK10	J87
DFT090508HP KCU25	J87
DFT090508HP KCU40	J87
DFT090508HP KMF	J87
DFT090508MD KC7140	J87
DFT090508MD KCU25	J87
DFT090508MD KCU40	J87
DFT090508ST KD1425	J85
DFT110508MD KC7140	J87
DFT110508ST KD1425	J85
DFT250R2WD32M	J44
DFT250R2WD40M	J44
DFT250R4WD32M	J46
DFT250R4WD40M	J46
DFT260R2WD32M	J44
DFT260R2WD40M	J44
DFT260R4WD32M	J46
DFT260R4WD40M	J46
DFT270R2WD32M	J44
DFT270R2WD40M	J44
DFT270R4WD32M	J46
DFT270R4WD40M	J46
DFT280R2WD32M	J44
DFT280R2WD40M	J44
DFT280R4WD32M	J46
DFT280R4WD40M	J46
DFT290R2WD32M	J44
DFT290R2WD40M	J44
DFT290R4WD32M	J46
DFT290R4WD40M	J46
DFT300R2WD32M	J44
DFT300R2WD40M	J44
DFT300R4WD32M	J46
DFT300R4WD40M	J46
DFT310R2WD32M	J44
DFT310R2WD40M	J44
DFT310R4WD32M	J46
DFT310R4WD40M	J46
DFT320R2WD32M	J44
DFT320R2WD40M	J44
DFT320R4WD32M	J46
DFT320R4WD40M	J46
DFT330R2WD32M	J44
DFT330R2WD40M	J44
DFT330R4WD40M	J46
DFT340R2WD32M	J44
DFT340R2WD40M	J44
DFT340R4WD40M	J46
DFT350R2WD32M	J44
DFT350R2WD40M	J44
DFT350R4WD40M	J46
DFT360R2WD32M	J44
DFT360R2WD40M	J44
DFT360R4WD40M	J46
DFT370R2WD32M	J44
DFT370R2WD40M	J44
DFT370R4WD40M	J46
DFT380R2WD32M	J44
DFT380R2WD40M	J44
DFT380R4WD40M	J46
DFT390R2WD32M	J44
DFT390R2WD40M	J44
DFT390R4WD40M	J46
DFT400R2WD32M	J44
DFT400R2WD40M	J44
DFT400R4WD40M	J46
DFT410R2WD32M	J44
DFT410R2WD40M	J44
DFT410R4WD40M	J46
DFT420R2WD32M	J44
DFT420R2WD40M	J44
DFT420R4WD40M	J46
DFT430R2WD32M	J44
DFT430R2WD40M	J44
DFT430R4WD40M	J46
DFT440R2WD32M	J44
DFT440R2WD40M	J44
DFT440R4WD40M	J46
DFT450R2WD40M	J44
DFT450R2WD50M	J44
DFT450R4WD40M	J46
DFT460R2WD40M	J44
DFT460R2WD50M	J44
DFT460R4WD40M	J46
DFT470R2WD40M	J44
DFT470R2WD50M	J44
DFT470R4WD40M	J46
DFT480R2WD40M	J44
DFT480R2WD50M	J44
DFT480R4WD40M	J46
DFT490R2WD40M	J44
DFT490R2WD50M	J44
DFT500R2WD40M	J44
DFT500R2WD50M	J44
DFT510R2WD40M	J44
DFT510R2WD50M	J44
DFT520R2WD40M	J44
DFT520R2WD50M	J44
DFT530R2WD40M	J44
DFT530R2WD50M	J44
DFT540R2WD40M	J44
DFT540R2WD50M	J44
DFT550R2WD50M	J44
DFT560R2WD50M	J44
DFT570R2WD50M	J44
DFT580R2WD50M	J44
DFT590R2WD50M	J44
DFT600R2WD50M	J44
DFT610R2WD50M	J45
DFT620R2WD50M	J45
DFT630R2WD50M	J45
DFT640R2WD50M	J45
DFT650R2WD50M	J45
DFT660R2WD50M	J45
DFT670R2WD50M	J45

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
DFT680R2WD50M	J45
DFT690R2WD50M	J45
DFT700R2WD50M	J45
DFT710R2WD50M	J45
DFT720R2WD50M	J45
DFT730R2WD50M	J45
DFT740R2WD50M	J45
DFT750R2WD50M	J45
DFT760R2WD50M	J45
DFT770R2WD50M	J45
DFT780R2WD50M	J45
DFT790R2WD50M	J45
DFT800R2WD50M	J45
DFT810R2WD50M	J45
DFT820R2WD50M	J45
DFTX20204DS KCU40	J88
DFTX20204HP KC7140	J87
DFTX20204HP KCU25	J87
DFTX20204HP KCU40	J87
DFTX20204MD KC7140	J87
DFTX20204MD KCU25	J87
DFTX20204MD KCU40	J87
DH35M	S41, T102
DNGA150404E KD1405	B346
DNGA150404FST KD1400	B347
DNGA150404FST KD1425	B347
DNGA150404S01015MT KBH10	B314
DNGA150404S01015MT KBH20	B314
DNGA150404S01025MT KB5630	B290, B314
DNGA150404S01225MT KBH20	B314
DNGA150404S01735MT KBH20	B314
DNGA150404T02020 KY1615	B313
DNGA150408FST KD1400	B347
DNGA150408FST KD1425	B347
DNGA150408S01015FWMT KBH10	B313
DNGA150408S01015FWMT KBH20	B313
DNGA150408S01015MT KBH10	B314
DNGA150408S01015MT KBH20	B314
DNGA150408S01020MT KB1345	B290
DNGA150408S01025MT KB5630	B290, B314
DNGA150408S01225FWMT KBH10	B313
DNGA150408S01225MT KBH10	B314
DNGA150408S01225MT KBH20	B314
DNGA150408S01735MT KBH10	B314
DNGA150408S01735MT KBH20	B314
DNGA150408T01020 KYS30	B333
DNGA150408T02020 KY1615	B313
DNGA150408T02020 KY3500	B293
DNGA150412S01015FWMT KBH20	B313
DNGA150412S01015MT KBH10	B314
DNGA150412S01015MT KBH20	B314
DNGA150412S01225FWMT KBH10	B313
DNGA150412S01225MT KBH10	B314
DNGA150412S01225MT KBH20	B314
DNGA150412S01735MT KBH10	B314
DNGA150412S01735MT KBH20	B314
DNGA150412T01020 KYS30	B333
DNGA150412T02020 KY1615	B313
DNGA150412T02020 KY3500	B293
DNGA150416T02020 KY1615	B313
DNGA150416T02020 KY3500	B293
DNGA150416T02020 KYK10	B293
DNGA150416T02020 KYK25	B293
DNGA150604S01015MT KBH10	B314
DNGA150604S01015MT KBH20	B314
DNGA150604S01225MT KBH20	B314
DNGA150604S01735MT KBH20	B314
DNGA150604T02020 KY1615	B313
DNGA150608S01015MT KBH10	B314
DNGA150608S01015MT KBH20	B314
DNGA150608S01225MT KBH10	B314
DNGA150608S01225MT KBH20	B314
DNGA150608S01735MT KBH20	B314
DNGA150608T02020 KY1615	B313
DNGA150608T02020 KY3500	B293
DNGA150612S01015MT KBH10	B314
DNGA150612S01015MT KBH20	B314
DNGA150612S01225MT KBH10	B314
DNGA150612S01225MT KBH20	B314
DNGA150612S01735MT KBH20	B314
DNGA150612T02020 KY1615	B313
DNGA150612T02020 KY3500	B293
DNGG110402FS KC5010	B74
DNGG110402FS KCU10	B74
DNGG110404FS KCU10	B74
DNGG110408FS KCU10	B74
DNGG150401FS KCU10	B74
DNGG150402FS KC5010	B74
DNGG150402FS KCU10	B74
DNGG150402LF KC5010	B74
DNGG150402LF KCU10	B74
DNGG150404FS KC5010	B74
DNGG150404FS KC5025	B74
DNGG150404FS KCU10	B74
DNGG150404LF KC5010	B74
DNGG150404LF KCU10	B74
DNGG150408FS KC5010	B74
DNGG150408FS KCU10	B74
DNGG150408FS KCU25	B74
DNGG150408LF KC5010	B74
DNGG150408LF KCU10	B74
DNGG150412FS KC5010	B74
DNGG150604FS KCU10	B74
DNGG150608FS KCU10	B74
DNGM150408S01325MTCB1 KBH20	B314
DNGM150412S01325MTCB1 KBH20	B314
DNGM150608S01325MTCB1 KBH20	B314
DNGM150612S01325MTCB1 KBH20	B314
DNGN120408S02020 KBK45	B284
DNGN120412S02020 KBK45	B284
DNGN150704T02020 KY1615	B313
DNGN150708T02020 KY1615	B313
DNGN150712T02020 KY1615	B313
DNGN150716T02020 KY1615	B313
DNGP150401 KC5010	B74
DNGP150402 KC5010	B74
DNGP150402 KC5410	B74
DNGP150402 KCU10	B74
DNGP150404 K313	B74
DNGP150404 KC5010	B74
DNGP150404 KC5410	B74
DNGP150404 KCU10	B74
DNGP150408 K313	B74
DNGP150408 KC5010	B74
DNGP150408 KC5410	B74
DNGP150408 KCU10	B74
DNGP150604 K313	B74
DNGP150604 KC5410	B74
DNGP150604 KCU10	B74
DNGP150608 KC5010	B74
DNGP150608 KCU10	B74
DNGX120708T02020 KY3500	B296
DNGX120712T02020 KY3500	B296
DNGX120712T02020 KYK25	B296
DNGX120716T02020 KY3500	B296
DNGX150708T01020 KYS25	B333
DNGX150708T02020 KY1615	B315
DNGX150708T02020 KY3500	B296
DNGX150712T01020 KYS25	B333
DNGX150712T01020 KYS30	B333
DNGX150712T02020 KY3500	B296
DNGX150712T02020 KYK25	B296
DNGX150716T01020 KYS30	B333
DNGX150716T02020 KY3500	B296
DNMA110408 KCK05	B75
DNMA110408 KCK20B	B75
DNMA110408S02020 KB1340	B289
DNMA110412S02020 KB1340	B289
DNMA150408 KCK05	B75
DNMA150408 KCK15	B75
DNMA150408 KCK20	B75
DNMA150408 KCK20B	B75
DNMA150412 KCK05	B75
DNMA150412 KCK15	B75
DNMA150412 KCK20	B75
DNMA150416 KCK20B	B75
DNMA150608 KCK05	B75
DNMA150608 KCK15	B75
DNMA150608 KCK20	B75
DNMA150612 KCK20	B75
DNMA150612 KCK20B	B75
DNMG11040433 KT315	B75
DNMG110404FF KC5010	B76
DNMG110404FF KCP05	B76
DNMG110404FF KCP10	B76
DNMG110404FF KCU10	B76
DNMG110404FF KT315	B76
DNMG110404FN CCK05	B77
DNMG110404FN KCP05	B77
DNMG110404FN KCP10	B77
DNMG110404FN KCP10B	B77
DNMG110404FN KCP25B	B77
DNMG110404FP KC5010	B77
DNMG110404FP KCM15	B77
DNMG110404FP KCM15B	B77
DNMG110404FP KCPK05	B77
DNMG110404FP KCU10	B77
DNMG110404FW KCP10	B78
DNMG110404FW KCU10	B78
DNMG110404FW KT315	B78
DNMG110404MN KCP05	B78
DNMG110404MN KCP10B	B78
DNMG110404MN KCP25	B78
DNMG110404MN KCP25B	B78
DNMG110404MN KCP30	B78
DNMG11040833 KT315	B75
DNMG11040CT KCP05	B76
DNMG11040CT KCP10	B76
DNMG11040CT KCP10B	B76
DNMG11040FF KCP05	B76
DNMG11040FF KCP05B	B76
DNMG11040FF KCP10	B76
DNMG11040FF KCP10B	B76
DNMG11040FF KCU10	B76
DNMG11040FF KT315	B76
DNMG11040FN CCK05	B76
DNMG11040FN KCP05	B76
DNMG11040FN KCP10	B76
DNMG11040FN KCP10B	B76
DNMG11040FN KCP25B	B76
DNMG11040FP KC5010	B76
DNMG11040FP KCM15	B76
DNMG11040FP KCU10	B76
DNMG11040FP KT315	B76
DNMG11040FW KC5010	B78
DNMG11040FW KCP10	B78
DNMG11040FW KCU10	B78
DNMG11040FW KT315	B78
DNMG11040MN KCP10	B78
DNMG11040MN KCP10B	B78
DNMG11040MN KCP25	B78
DNMG11040MN KCP25B	B78
DNMG11040MN KCP30	B78
DNMG11040MP KC5010	B79
DNMG11040MP KCM15B	B79
DNMG11040MP KCM25	B79
DNMG11040MP KCM25B	B79
DNMG11040MP KCM35	B79
DNMG11040MP KCU10	B79
DNMG11040MS K313	B79
DNMG11040MS KC5010	B79
DNMG11040MS KC5025	B79
DNMG11040MS KCU10	B79
DNMG11040MS KCU25	B79
DNMG11040P KC5010	B81
DNMG11040P KCU10	B81
DNMG11040UP KCM15	B82
DNMG11040UP KCM25	B82
DNMG11040UP KCU10	B82
DNMG11040B K68	B75
DNMG11040CT KC5010	B76
DNMG11040CT KCP10	B76
DNMG11040CT KCP10B	B76
DNMG11040CT KCP25	B76
DNMG11040FF KC5010	B76
DNMG11040FF KCP05	B76
DNMG11040FF KCP10	B76
DNMG11040FF KCP10B	B76
DNMG11040FF KCU10	B76
DNMG11040FF KT315	B76
DNMG11040FN CCK05	B77
DNMG11040FN KCP05	B77
DNMG11040FN KCP10	B77
DNMG11040FN KCP10B	B77
DNMG11040FN KCP25	B77
DNMG11040FN KCP25B	B77
DNMG11040FN KT315	B77
DNMG11040FP KC5010	B77
DNMG11040FP KCM15	B77
DNMG11040FP KCU10	B77
DNMG11040FP KT315	B77
DNMG11040FW KC5010	B78
DNMG11040FW KCP10	B78
DNMG11040FW KCU10	B78
DNMG11040FW KT315	B78
DNMG11040MN KCP10	B78
DNMG11040MN KCP10B	B78
DNMG11040MN KCP25	B78
DNMG11040MN KCP25B	B78
DNMG11040MN KCP30	B78
DNMG11040MP KC5010	B79
DNMG11040MP KCM15B	B79
DNMG11040MP KCM25	B79
DNMG11040MP KCM25B	B79
DNMG11040MP KCM35	B79
DNMG11040MP KCU10	B79
DNMG11040MS K313	B79
DNMG11040MS KC5010	B79
DNMG11040MS KC5025	B79
DNMG11040MS KCU10	B79
DNMG11040MS KCU25	B79
DNMG11040P KC5010	B81
DNMG11040P KCU10	B81
DNMG11040UP KCM15	B82
DNMG11040UP KCM25	B82
DNMG11040UP KCU10	B82
DNMG11040B K68	B75
DNMG11040CT KC5010	B76
DNMG11040CT KCP10	B76
DNMG11040CT KCP10B	B76
DNMG11040CT KCP25	B76
DNMG11040FF KC5010	B76
DNMG11040FF KCP05	B76
DNMG11040FF KCP10	B76
DNMG11040FF KCP10B	B76
DNMG11040FF KCU10	B76
DNMG11040FF KT315	B76
DNMG11040FN CCK05	B77
DNMG11040FN KCP05	B77
DNMG11040FN KCP10	B77
DNMG11040FN KCP10B	B77
DNMG11040FN KCP25	B77
DNMG11040FN KCP25B	B77
DNMG11040FN KCPK05	B77
DNMG11040FN KT315	B77
DNMG11040FP KC5010	B77
DNMG11040FP KCM15	B77
DNMG11040FP KCP10	B77
DNMG11040FP KCP25	B77
DNMG11040FP KCU10	B77

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
DNMG150408FP KT315	B77
DNMG150408FW KCK15B	B78
DNMG150408FW KCP05	B78
DNMG150408FW KCP10B	B78
DNMG150408FW KCU10	B78
DNMG150408FW KT315	B78
DNMG150408MN KCP05B	B78
DNMG150408MN KCP10	B78
DNMG150408MN KCP10B	B78
DNMG150408MN KCP25	B78
DNMG150408MN KCP25B	B78
DNMG150408MN KCP30	B78
DNMG150408MN KCP30B	B78
DNMG150408MN KCP40	B78
DNMG150408MN KCPK05	B78
DNMG150408MP KC5010	B79
DNMG150408MP KCM15B	B79
DNMG150408MP KCM25	B79
DNMG150408MP KCM25B	B79
DNMG150408MP KCM35	B79
DNMG150408MP KCP10	B79
DNMG150408MP KCP25	B79
DNMG150408MP KCU10	B79
DNMG150408MR KCM15	B80
DNMG150408MR KCM25B	B80
DNMG150408MR KCP10B	B80
DNMG150408MR KCP25B	B80
DNMG150408MR KCP30B	B80
DNMG150408MR KCPK05	B80
DNMG150408MR KCU10	B80
DNMG150408MS K313	B79
DNMG150408MS KC5010	B79
DNMG150408MS KC5025	B79
DNMG150408MS KCU10	B79
DNMG150408MS KCU25	B79
DNMG150408MW KCP05	B80
DNMG150408MW KCP10B	B80
DNMG150408MW KCP25	B80
DNMG150408P KC5010	B81
DNMG150408P KCU10	B81
DNMG150408RN KCP10	B81
DNMG150408RN KCP10B	B81
DNMG150408RN KCP25	B81
DNMG150408RN KCP25B	B81
DNMG150408RN KCP30B	B81
DNMG150408RN KCP40	B81
DNMG150408RP KC5010	B81
DNMG150408RP KC5025	B81
DNMG150408RP KCK05	B81
DNMG150408RP KCK20	B81
DNMG150408RP KCK20B	B81
DNMG150408RP KCM15	B81
DNMG150408RP KCM25	B81
DNMG150408RP KCM25B	B81
DNMG150408RP KCM35	B81
DNMG150408RP KCP10	B81
DNMG150408RP KCP10B	B81
DNMG150408RP KCP25	B81
DNMG150408RP KCP25B	B81
DNMG150408RP KCU10	B81
DNMG150408RP KCU25	B81
DNMG150408UN KCK05	B82
DNMG150408UN KCK15	B82
DNMG150408UN KCK15B	B82
DNMG150408UN KCK20	B82
DNMG150408UN KCK20B	B82
DNMG150408UP KC5010	B82
DNMG150408UP KCM15	B82
DNMG150408UP KCM25	B82
DNMG150408UP KCM25B	B82
DNMG150408UP KCM35	B82
DNMG150408UP KCU10	B82
DNMG150412CT KCP10B	B76
DNMG150412CT KCU10	B76
DNMG150412FN KCK05	B77
DNMG150412FN KCP05	B77
DNMG150412FN KCP10B	B77
DNMG150412FN KT315	B77
DNMG150412FP KCU10	B77
DNMG150412MN KCP05	B78
DNMG150412MN KCP10B	B78
DNMG150412MN KCP25	B78
DNMG150412MN KCP25B	B78
DNMG150412MN KCP30B	B78
DNMG150412MN KCP40B	B78
DNMG150412MP KC5010	B79
DNMG150412MP KCM25	B79
DNMG150412MP KCU10	B79
DNMG150412MR KCP10B	B80
DNMG150412MR KCPK05	B80
DNMG150412MS KC5010	B79
DNMG150412MS KCU10	B79
DNMG150412MS KCU25	B79
DNMG150412MW KCP05	B80
DNMG150412RN KCP10B	B81
DNMG150412RN KCP25	B81
DNMG150412RN KCP25B	B81
DNMG150412RN KCPK05	B81
DNMG150412RP KCM35	B81
DNMG150412RP KCP10B	B81
DNMG150412RP KCP25	B81
DNMG150412RP KCP25B	B81
DNMG150412RP KCP30	B81
DNMG150412RP KCU10	B81
DNMG150412RP KCU25	B81
DNMG150412UN KCK20B	B82
DNMG150416RN KCP25	B81
DNMG150416RN KCP40B	B81
DNMG150416RP KC5010	B81
DNMG150416RP KCU10	B81
DNMG150416UN KCK20	B82
DNMG150416UN KCK20B	B82
DNMG15060433 KT315	B75
DNMG150604CT KCP10	B76
DNMG150604FF KC5010	B76
DNMG150604FF KCP10B	B76
DNMG150604FF KT315	B76
DNMG150604FN KCK05	B77
DNMG150604FN KCK15B	B77
DNMG150604FN KCP05	B77
DNMG150604FN KCP10	B77
DNMG150604FN KCP10B	B77
DNMG150604FN KCP25	B77
DNMG150604FN KCP25B	B77
DNMG150604FN KT315	B77
DNMG150604FP KC5010	B77
DNMG150604FP KCM15	B77
DNMG150604FP KCU10	B77
DNMG150604FW KCP05	B78
DNMG150604FW KCP10B	B78
DNMG150604FW KCU10	B78
DNMG150604MN KCP10	B78
DNMG150604MN KCP10B	B78
DNMG150604MN KCP25	B78
DNMG150604MN KCP25B	B78
DNMG150604MN KCP30	B78
DNMG150604MP KC5010	B79
DNMG150604MP KCM15B	B79
DNMG150604MP KCM25	B79
DNMG150604MP KCM25B	B79
DNMG150604MP KCM35	B79
DNMG150604MP KCU10	B79
DNMG150604MS K313	B79
DNMG150604MS KC5010	B79
DNMG150604MS KC5025	B79
DNMG150604MS KCU10	B79
DNMG150604MS KCU25	B79
DNMG150604UP KCM25	B82
DNMG15060833 KT315	B75
DNMG150608CT KCP10	B76
DNMG150608CT KCP10B	B76
DNMG150608CT KCP25	B76
DNMG150608FF KC5010	B76
DNMG150608FF KCP10	B76
DNMG150608FF KCP10B	B76
DNMG150608FF KT315	B76
DNMG150608FN KCK05	B77
DNMG150608FN KCK15B	B77
DNMG150608FN KCP05	B77
DNMG150608FN KCP10	B77
DNMG150608FN KCP10B	B77
DNMG150608FN KCP25	B77
DNMG150608FN KCP25B	B77
DNMG150608FN KT315	B77
DNMG150608FP KC5010	B77
DNMG150608FP KCM15	B77
DNMG150608FP KCP10	B77
DNMG150608FP KCP10B	B77
DNMG150608FP KCP25	B77
DNMG150608FP KCP25B	B77
DNMG150608FP KCU10	B77
DNMG150608FW KCK15B	B78
DNMG150608FW KCP05	B78
DNMG150608FW KCP10	B78
DNMG150608FW KCP10B	B78
DNMG150608FW KCU10	B78
DNMG150608MN KCP05B	B78
DNMG150608MN KCP10	B78
DNMG150608MN KCP10B	B78
DNMG150608MN KCP25	B78
DNMG150608MN KCP25B	B78
DNMG150608MN KCP40	B78
DNMG150608MP KC5010	B79
DNMG150608MP KCM15	B79
DNMG150608MP KCM15B	B79
DNMG150608MP KCM25	B79
DNMG150608MP KCM25B	B79
DNMG150608MP KCM35	B79
DNMG150608MP KCP10	B79
DNMG150608MP KCP25	B79
DNMG150608MP KCU10	B79
DNMG150608MP KCU25	B79
DNMG150608MR KCK15B	B80
DNMG150608MR KCM15B	B80
DNMG150608MR KCM25	B80
DNMG150608MR KCM25B	B80
DNMG150608MR KCP10B	B80
DNMG150608MR KCP25B	B80
DNMG150608MR KCU10	B80
DNMG150608MS K313	B79
DNMG150608MS KC5010	B79
DNMG150608MS KC5025	B79
DNMG150608MS KCU10	B79
DNMG150608MS KCU25	B79
DNMG150608MW KCP05	B80
DNMG150608MW KCP10	B80
DNMG150608MW KCP10B	B80
DNMG150608MW KCP25	B80
DNMG150608MW KCPK05	B80
DNMG150608P KC5010	B81
DNMG150608RN KCP05	B81
DNMG150608RN KCP10	B81
DNMG150608RN KCP10B	B81
DNMG150608RN KCP25	B81
DNMG150608RN KCP25B	B81
DNMG150608RN KCP30	B81
DNMG150608RN KCP40B	B81
DNMG150608RP KC5010	B81
DNMG150608RP KC5025	B81
DNMG150608RP KCK15B	B81
DNMG150608RP KCK20	B81
DNMG150608RP KCM15	B81
DNMG150608RP KCM25	B81
DNMG150608RP KCM25B	B81
DNMG150608RP KCP05	B81
DNMG150608RP KCP10	B81
DNMG150608RP KCP10B	B81
DNMG150608RP KCP25	B81
DNMG150608RP KCP25B	B81
DNMG150608RP KCP30	B81
DNMG150608RP KCU10	B81
DNMG150608RP KCU25	B81
DNMG150608UN KCK15	B82
DNMG150608UN KCK15B	B82
DNMG150608UN KCK20	B82
DNMG150608UN KCK20B	B82
DNMG150608UP KC5010	B82
DNMG150608UP KCM15	B82
DNMG150608UP KCM25B	B82
DNMG150608UP KCU10	B82
DNMG150612CT KC5010	B76
DNMG150612CT KCP05	B76
DNMG150612CT KCP05B	B76
DNMG150612CT KCP10	B76
DNMG150612CT KCP10B	B76
DNMG150612CT KCP25	B76
DNMG150612CT KCP25B	B76
DNMG150612FN KCK05	B77
DNMG150612FN KCP05	B77
DNMG150612FN KCP10	B77
DNMG150612FN KCP10B	B77
DNMG150612FN KCP25	B77
DNMG150612FN KT315	B77
DNMG150612FP KCM15B	B77
DNMG150612FP KT315	B77
DNMG150612MG KCP10B	B80
DNMG150612MN KCP10	B78
DNMG150612MN KCP10B	B78
DNMG150612MN KCP25	B78
DNMG150612MN KCP25B	B78
DNMG150612MN KCP40B	B78
DNMG150612MP KC5010	B79
DNMG150612MP KCM15	B79
DNMG150612MP KCM25B	B79
DNMG150612MP KCP10	B79
DNMG150612MP KCU10	B79
DNMG150612MP KCU25	B79
DNMG150612MR KCP10B	B80
DNMG150612MR KCP25B	B80
DNMG150612MS KC5025	B79
DNMG150612MS KCU10	B79
DNMG150612MS KCU25	B79
DNMG150612MW KCP05	B80
DNMG150612MW KCP10B	B80
DNMG150612MW KCP25	B80
DNMG150612RN KCP05	B81
DNMG150612RN KCP10	B81
DNMG150612RN KCP10B	B81
DNMG150612RN KCP25	B81
DNMG150612RN KCP25B	B81
DNMG150612RN KCP30	B81
DNMG150612RN KCP40B	B81
DNMG150612RN KCPK05	B81
DNMG150612RP KCK05	B81
DNMG150612RP KCK15	B81
DNMG150612RP KCK20	B81
DNMG150612RP KCK20B	B81
DNMG150612RP KCM25	B81
DNMG150612RP KCM35B	B81
DNMG150612RP KCP10	B81
DNMG150612RP KCP10B	B81
DNMG150612RP KCP25	B81
DNMG150612RP KCP25B	B81
DNMG150612RP KCU10	B81
DNMG150612RP KCU25	B81
DNMG150612UN KCK15	B82
DNMG150612UN KCK15B	B82
DNMG150612UN KCK20	B82
DNMG150612UN KCK20B	B82
DNMG150616MG KCP10B	B80
DNMG150616MN KCP10	B78
DNMG150616MR KCP25B	B80
DNMG150616RN KCP10	B81
DNMG150616RN KCP25	B81
DNMG150616RN KCP25B	B81
DNMG150616RN KCP40B	B81
DNMG150616RP KCP10	B81
DNMG150616RP KCP10B	B81
DNMG150616RP KCP25	B81
DNMG150616RP KCP25B	B81
DNMG150616RP KCU25	B81
DNMG150616UN KCK15B	B82
DNMG150616UN KCK20	B82
DNMG190608RN KCP10B	B81
DNMG190608RN KCP25	B81
DNMG190608RN KCP30	B81
DNMG190612MN KCP30	B78
DNMG190612RN KCP10B	B81
DNMG190612RN KCP25	B81
DNMG190612RN KCP30	B81
DNMM150408RM KCP25	B82
DNMM150412RM KCP25B	B82
DNMM150608RM KCP10	B82
DNMM150608RM KCP25B	B82
DNMM150608RM KCP30	B82
DNMM150608RP KCP10	B83
DNMM150608RP KCP25	B83
DNMM150612RM KCP10	B82

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
DNMM150612RM KCP25	B82
DNMM150612RM KCP25B	B82
DNMM150612RM KCP40	B82
DNMM150612RP KCP10B	B83
DNMM150612RP KCP25	B83
DNMM150612RP KCP25B	B83
DNMM150616RM KCP25	B82
DNMM150616RP KCP10B	B83
DNMM150616RP KCP25	B83
DNMP110408K KCP25B	B83
DNMP150404 K68	B83
DNMP150404K KCP25	B83
DNMP150404K KCP25B	B83
DNMP150408 K68	B83
DNMP150408K KCP10B	B83
DNMP150408K KCP25	B83
DNMP150408K KCP25B	B83
DNMP150412 K68	B83
DNMP150412K KCP10B	B83
DNMP150412K KCP25	B83
DNMP150604K KCP25B	B83
DNMP150608K KCP10B	B83
DNMP150608K KCP25B	B83
DNMS150404FST KD1400	B347
DNMS150408 K68	B84
DNMS150408 KC5410	B84
DNMS150408FST KD1400	B347
DNMS150408FST KD1425	B347
DP5009A S	T86–89
DP5013T S	V27–28
DPA07T3D25 KCU40	H90
DPA09T4D32 KCU40	H90
DPA13T5D50 KCU40	H90
DPGT070201LF KC5010	B214
DPGT070202HP KC5010	B214
DPGT070202LF KC5010	B214
DPGT070202LF KCU10	B214
DPGT070204HP KC5010	B214
DPGT070204HP KC5410	B214
DPGT070204HP KCU10	B214
DPGT070204HP KCU25	B214
DPGT070204LF KC5010	B214
DPGT070204LF KC5025	B214
DPGT070204LF KCU10	B214
DPGT070208HP KCU25	B214
DPGT11T301LF KC5010	B214
DPGT11T302LF KC5010	B214
DPGT11T302LF KC5025	B214
DPGT11T302LF KCU10	B214
DPGT11T304HP K313	B214
DPGT11T304HP KC5010	B214
DPGT11T304HP KC5410	B214
DPGT11T304HP KCU10	B214
DPGT11T304HP KCU25	B214
DPGT11T304LF KC5010	B214
DPGT11T304LF KC5025	B214
DPGT11T304LF KCU10	B214
DPGT11T308HP KC5010	B214
DPGT11T308HP KCU10	B214
DPGT11T308HP KCU25	B214
DPGT11T308LF KC5010	B214
DPGT11T308LF KCU10	B214
DPGW070202FST KD1400	B348
DPGW070202FST KD1425	B348
DPGW070204FST KD1400	B348
DPGW070204FST KD1425	B348
DPGW11T304E KD1405	B347
DPGW11T304FST KD1400	B348
DPGW11T304FST KD1425	B348
DPGW11T304FWST KD1425	B348
DPMT070202FP KCU10	B214
DPMT070202LF KC5010	B215
DPMT070202LF KC5025	B215
DPMT070204FP KCM15	B214
DPMT070204FP KCP10	B214
DPMT070204FP KCP25	B214
DPMT070204FP KCU10	B214
DPMT070204FP KCU25	B214
DPMT070204FP KTP10	B214
DPMT070204FW KCP25	B215
DPMT070204LF KC5010	B215
DPMT070204LF KC5025	B215
DPMT070204LF KCK05	B215
DPMT070204LF KCK20	B215
DPMT070204LF KCM25	B215
DPMT070204LF KCP10	B215
DPMT070204LF KCP10B	B215
DPMT070204LF KCP25	B215
DPMT070204LF KCP25B	B215
DPMT070204LF KT315	B215
DPMT070204UF KC5010	B216
DPMT070204UF KCP25	B216
DPMT070208FP KCU10	B214
DPMT070208FP KCU25	B214
DPMT070208FW KCK20B	B215
DPMT070208FW KCU10	B215
DPMT11T302LF KC5010	B215
DPMT11T304FP KCP10	B214
DPMT11T304FP KCP25	B214
DPMT11T304FP KCU10	B214
DPMT11T304FP KCU25	B214
DPMT11T304LF KC5010	B215
DPMT11T304LF KC5025	B215
DPMT11T304LF KCK05	B215
DPMT11T304LF KCK20	B215
DPMT11T304LF KCM25B	B215
DPMT11T304LF KCP10	B215
DPMT11T304LF KCP10B	B215
DPMT11T304LF KCP25	B215
DPMT11T304LF KCP25B	B215
DPMT11T304LF KT315	B215
DPMT11T304UF KCP10	B216
DPMT11T308FP KCU10	B214
DPMT11T308FP KTP10	B214
DPMT11T308LF KC5010	B215
DPMT11T308LF KC5025	B215
DPMT11T308LF KCK20	B215
DPMT11T308LF KCM25	B215
DPMT11T308LF KCP10	B215
DPMT11T308LF KCP10B	B215
DPMT11T308LF KCP25	B215
DPMT11T308LF KCP25B	B215
DPMT11T308MF KCM25	B215
DPMT11T308MF KCP25	B215
DPMT11T308MP KCP25	B216
DPMT11T308MP KCU10	B216
DPMT11T308UF KCP10	B216
DSBNL2525M12KC04	B105
DSDNN2020K12KC04	B105
DSDNN2525M12KC04	B105
DSDNN2525M15KC06	B105
DSDNN3232P19KC06	B105
DSDNN4040S25KC09	B105
DSKNL2525M12KC04	B106
DSKNR2525M12KC04	B106
DSRNL4040S25KC09	B106
DSRNR2525M12KC04	B106
DSRNR4040S25KC09	B106
DSSNL2525M12KC04	B107
DSSNR2020K12KC04	B107
DSSNR2525M12KC04	B107
DSSNR3225P12KC04	B107
DT10	U3, W40–43
DT15	S60, S62, T79–81, U3, U17–18, V153–154
DT15IP	S41, T14–17, T69–72, T102, U38–39, V70–72, V77–78, V137–139
DT3IP	W34–35
DT7	W40
DT7IP	T30–33, T39–41
DT8	U3, W29–31, W40, W42
DT8IP	W4–5, W10–13, W17–19, W24–25
DT9	V153–154
DT9IP	T4–7, T47–50, T57–59, T97–98, U25–26, V38–40
DTFNL2525M22KC04	B132
DTFNR2020K16KC04	B132
DTGNL2525M22KC04	B132
DTGNR2020K16KC04	B132
DTGNR2525M16KC04	B132
DTGNR2525M22KC04	B132
DTQ3054	S116, S120, S122
DTQ50140	S32–33
DV40BDL10041M	O54
DV40BDL12041M	O54
DV40BDL16050M	O54
DV40BDL20050M	O54
DV40BDL25056M	O54
DV40BDL32065M	O54
DV40BEWD20090M	J47
DV40BEWD32108M	J47
DV40BKR32041M	K86
DV40BKR50060M	K86
DV40BSIF80061M	K45
DV40BT13069	K138
DV40FBHM1691	K129
DV40FBHMKIT164M	K123, K127
DV50BEWD32108M	J47
DV50BKR32040M	K86
DV50BKR32041M	K86
DV50BKR50040M	K86
DV50BKR63060M	K86
DV50BKR80070M	K86
DV50BSIF100060M	K45
DV50BSIF70060M	K45
DV50BT13069	K138
DV50RMEWD32108M	J47
DVJNL2020K16KC04	B149
DVJNL2525M16KC04	B149
DVJNL3225P16KC04	B149
DVJNR2020K16KC04	B149
DVJNR2525M16KC04	B149
DVJNR3225P16KC04	B149
DVONL2020K16KC04	B150
DVONL2525M16KC04	B150
DVONL3225P16KC04	B150
DVONR2020K16KC04	B150
DVONR2525M16KC04	B150
DVONR3225P16KC04	B150
DVWNN2020K16KC04	B150
DVWNN2525M16KC04	B150
DWLNL2020K06KC04	B161
DWLNL2020K08KC04	B161
DWLNL2525M06KC04	B161
DWLNL2525M08KC04	B161
DWLNL3232P08KC04	B161
DWLNR2020K06KC04	B161
DWLNR2020K08KC04	B161
DWLNR2525M06KC04	B161
DWLNR2525M08KC04	B161
DWLNR3232P08KC04	B161
E0412DSCLDRS422	B187
E0412XSCLDRS447	B187
E0416KSCLDRS447	B187
E04HSCLDLS4	B186
E04HSCLDRS4	B186
E04MSCLDLS4	B186
E04MSCLDRS4	B186
E0512XSCFDRS425	B185
E0512XSCFDRS450	B185
E0512XSCLDRS425	B187
E05HSCFDRS4	B185
E05HSCLDLS4	B186
E05HSCLDRS4	B186
E05MSCLDLS4	B186
E05MSCLDRS4	B186
E0612ESCLDRS431	B187
E0612HSCLDRS463	B187
E0616HSCLDRS431	B187
E0616XSCFDRS463	B185
E0616XSCLDRS463	B187
E06HSCFDRS4	B185
E06HSCLDLS4	B186
E06HSCLDRS4	B186
E06MSCLDLS4	B186
E06MSCLDRS4	B186
E06MSTLDL07	B251
E06MSTLDR07	B251
E06MSWUPLS3	B273
E06MSWUPRS3	B273
E0812XSTLDR0738	B252
E08KSCFPL06A	B195
E08KSCFPR06A	B195
E08KSCLPL06A	B197
E08KSCLPR06A	B197
E08KSTFPR09A	B258
E08MSCLDLS4	B186
E08MSCLDRS4	B186
E08MSTLDL07	B251
E08MSTLDR07	B251
E08MSWUPRS3	B273
E10MSCFPR06A	B195
E10MSCLPL06A	B197
E10MSCLPR06A	B197
E10MSTFPL11A	B258
E10MSTFPR11A	B258
E10SSWUPR04	B273
E12QNKLCL11 KWH	E41
E12QNKLCR11 KWH	E41
E12QSCFPR06	B195
E12QSCLPL06	B197
E12QSCLPR06 KWH	B197
E12QSDUPL07	B218
E12QSDUPR07	B218
E12QSTFPL11	B258
E12QSTFPR11	B258
E12SSWUPR04	B273
E16RLSER16 KWH	D82
E16RNKLCR11 KWH	E41
E16RNNTOL2 KWH	C170, D37
E16RNNTOR2 KWH	C170, D37
E16RSCLPL09 KWH	B197
E16RSCLPR09	B197
E16RSDUPL07	B218
E16RSDUPR07	B218
E16RSTFPL11	B258
E16RSTFPR11	B258
E20SLSER16 KWH	D82
E20SNNTOR2 KWH	C170, D37
E20SSCLPL09	B197
E20SSCLPR09	B197
E20SSDUPL11	B218
E20SSDUPR11	B218
E20SSTFPL16	B258
E20SSTFPR16	B258
E25TLSER16 KWH	D82
E2FIX100505LHP KCU10	E10
E2FIX100505RHP KCU10	E10
EADE0380A4AQE KYS40	P176
EADE0400A4AQE KYS40	P176
EADE0400A6ARE KYS40	P177
EADE0570A4AQF KYS40	P176
EADE0600A4AQF KYS40	P176
EADE0600A6ARF KYS40	P177
EADE0760A4AQG KYS40	P176
EADE0800A4AQG KYS40	P176
EADE0800A6ARG KYS40	P177
EADE0950A4AQH KYS40	P176
EADE1000A4AQH KYS40	P176
EADE1000A6ARH KYS40	P177
EADE1140A4AQJ KYS40	P176
EADE1200A4AQJ KYS40	P176
EADE1200A6ARJ KYS40	P177
EB10801281100	K140
EB13030150	K139
EB16301281650	K140
EB18030200	K139
EB23035250	K139
EB28035300	K139
EB33040350	K139
EB38040400	K139
EB43040450	K139
EB48040500	K139
EB53050550	K139
EB58050600	K139
EB630128650	K140
EBM1580160162	K132
EBM8015086	K132
EBSLD1105	K140
EBSLD2205	K140
EBUCW0074	K141
EBUFF0975	K141
EBURF1975PKG	K141
EC014M1BL06CF01 KCM35B	C24
EC014M1BL06CF01 KCU25	C24
EC014M1BL06CL01 KCM35B	C25
EC014M1BL06CL01 KCU25	C25
EC014M1BL06CM01 KCU25	C26

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
EC014M1BN00CF01 KCM35B	C24
EC014M1BN00CF01 KCU25	C24
EC014M1BN00CL01 KCM35B	C25
EC014M1BN00CL01 KCU25	C25
EC014M1BN00CM01 KCU25	C26
EC014M1BR06CF01 KCM35B	C24
EC014M1BR06CF01 KCU25	C24
EC014M1BR06CL01 KCM35B	C25
EC014M1BR06CL01 KCU25	C25
EC014M1BR06CM01 KCU25	C26
EC020M02L06CF02 KCM35B	C24
EC020M02L06CF02 KCU25	C24
EC020M02L06CL02 KCM35B	C25
EC020M02L06CL02 KCU25	C25
EC020M02L06CM02 KCU25	C26
EC020M02L06CR02 KCU25	C27
EC020M02N00CF02 KCM35B	C24
EC020M02N00CF02 KCU25	C24
EC020M02N00CL02 KCM35B	C25
EC020M02N00CL02 KCU25	C25
EC020M02N00CM02 KCU25	C26
EC020M02N00CR02 KCU25	C27
EC020M02R06CF02 KCM35B	C24
EC020M02R06CF02 KCU25	C24
EC020M02R06CL02 KCM35B	C25
EC020M02R06CL02 KCU25	C25
EC020M02R06CM02 KCU25	C26
EC020M02R06CR02 KCU25	C27
EC030M03L06CF02 KCM35B	C24
EC030M03L06CF02 KCU25	C24
EC030M03L06CL02 KCM35B	C25
EC030M03L06CL02 KCU25	C25
EC030M03L06CM02 KCU25	C26
EC030M03L06CR02 KCU25	C27
EC030M03N00CF02 KCM35B	C24
EC030M03N00CF02 KCU25	C24
EC030M03N00CL02 KCM35B	C25
EC030M03N00CL02 KCU25	C25
EC030M03N00CM02 KCU25	C26
EC030M03N00CR02 KCU25	C27
EC030M03R06CF02 KCM35B	C24
EC030M03R06CF02 KCU25	C24
EC030M03R06CL02 KCM35B	C25
EC030M03R06CL02 KCU25	C25
EC030M03R06CM02 KCU25	C26
EC030M03R06CR02 KCU25	C27
EC040M04L06CF02 KCM35B	C24
EC040M04L06CF02 KCU25	C24
EC040M04L06CL02 KCU25	C25
EC040M04L06CM02 KCU25	C26
EC040M04L06CR02 KCU25	C27
EC040M04N00CF02 KCM35B	C24
EC040M04N00CF02 KCU25	C24
EC040M04N00CL02 KCM35B	C25
EC040M04N00CL02 KCU25	C25
EC040M04N00CM02 KCU25	C26
EC040M04N00CR02 KCU25	C27
EC040M04R06CF02 KCM35B	C24
EC040M04R06CF02 KCU25	C24
EC040M04R06CL02 KCU25	C25
EC040M04R06CM02 KCU25	C26
EC040M04R06CR02 KCU25	C27
EC050M05N00CF03 KCM35B	C24
EC050M05N00CF03 KCU25	C24
EC050M05N00CM03 KCU25	C26
EC050M05N00CR03 KCU25	C27
EC060M06L06CR04 KCU25	C27
EC060M06N00CM03 KCU25	C26
EC060M06N00CR03 KCU25	C27
EC060M06R06CR04 KCU25	C27
EC070M06N00CM04 KCU25	C26
EC070M06N00CR04 KCU25	C27
EC080M08L06CR04 KCU25	C27
EC080M08N00CM04 KCU25	C26
EC080M08N00CR04 KCU25	C27
EC080M08R06CR04 KCU25	C27
EDCT10T302PDERLD KC725M	T35, T43
EDCT10T302PDERLD KCPK30	T35, T43
EDCT10T302PDFRLDJ KC410M	T35, T42
EDCT10T304PDERLD KC520M	T35, T43
EDCT10T304PDERLD KC522M	T35, T43
EDCT10T304PDERLD KC725M	T35, T43
EDCT10T304PDERLD KCPK30	T35, T43
EDCT10T304PDERLDJ KC422M	T35, T43
EDCT10T304PDFR-PCD KD1410	T34
EDCT10T304PDFRLDJ KC410M	T35, T42
EDCT10T308PDERLD KC510M	T35, T43
EDCT10T308PDERLD KC520M	T35, T43
EDCT10T308PDERLD KC522M	T35, T43
EDCT10T308PDERLD KC725M	T35, T43
EDCT10T308PDERLD KCK15	T35, T43
EDCT10T308PDERLD KCPK30	T35, T43
EDCT10T308PDERLD KCPM40	T35
EDCT10T308PDERLD KCSM40	T35
EDCT10T308PDERLDJ KC422M	T35, T43
EDCT10T308PDFR-PCD KD1410	T34
EDCT10T308PDFRLDJ KC410M	T35, T42
EDCT10T312PDERLD KC522M	T35, T43
EDCT10T312PDERLD KC725M	T35, T43
EDCT10T312PDERLD KCSM40	T35
EDCT10T312PDFRLDJ KC410M	T35, T42
EDCT10T316PDERLD KC522M	T35, T43
EDCT10T316PDERLD KC725M	T35, T43
EDCT10T316PDERLD KCPK30	T35, T43
EDCT10T316PDERLD KCSM40	T35
EDCT10T316PDERLDJ KC422M	T35, T43
EDCT10T316PDFRLDJ KC410M	T35, T42
EDCT10T320PDERLD KC725M	T35, T43
EDCT10T320PDERLD KCPK30	T35, T43
EDCT10T320PDERLDJ KC422M	T35, T43
EDCT10T320PDFRLDJ KC410M	T35, T42
EDCT10T324PDERLD KC522M	T35, T43
EDCT10T324PDERLD KC725M	T35, T43
EDCT10T324PDERLD KCSM40	T35
EDCT10T324PDERLDJ KC422M	T35, T43
EDCT10T331PDERLD KC725M	T35
EDCT10T331PDERLD KCPK30	T35, T43
EDCT10T331PDERLD KCSM40	T35
EDCT10T331PDFRLDJ KC410M	T35, T42
EDCT140402PDFRLDJ KC410M	T51, T60
EDCT140404PDERGD KC725M	T52, T61
EDCT140404PDERGD KCPM40	T52, T61
EDCT140404PDERLD KC522M	T52, T61
EDCT140404PDERLDJ KC422M	T52, T61
EDCT140404PDFRLDJ KC410M	T51, T60
EDCT140408PDERGD KC725M	T52, T61
EDCT140408PDERGD KCPM40	T52, T61
EDCT140408PDERGD KCSM40	T52, T61
EDCT140408PDERLD KC522M	T52, T61
EDCT140408PDERLDJ KC422M	T52, T61
EDCT140408PDFRLDJ KC410M	T51, T60
EDCT140412PDERGD KC725M	T52, T61
EDCT140412PDERGD KCSM40	T52, T61
EDCT140412PDERLD KC522M	T52, T61
EDCT140412PDFRLDJ KC410M	T51, T60
EDCT140416PDERGD KC725M	T52, T61
EDCT140416PDERGD KCSM40	T52, T61
EDCT140416PDERLD KC522M	T52, T61
EDCT140416PDFRLDJ KC410M	T51, T60
EDCT140424PDERLDJ KC422M	T52, T61
EDCT140431PDERGD KC725M	T52, T61
EDCT140431PDERGD KCSM40	T52, T61
EDCT140431PDERLD KC522M	T52, T61
EDCT140431PDFRLDJ KC410M	T51, T60
EDCT140440PDFRLDJ KC410M	T51, T60
EDCT180504PDERGD KC725M	T74
EDCT180504PDERGD KCPM40	T74
EDCT180504PDFRLDJ KC410M	T73
EDCT180508PDERGD KC725M	T74
EDCT180508PDERGD KCPM40	T74
EDCT180508PDERLD KC522M	T74
EDCT180508PDERLDJ KC422M	T73
EDCT180508PDFLLDJ KC410M	T73
EDCT180508PDFRLDJ KC410M	T73
EDCT180512PDERGD KC725M	T74
EDCT180512PDERGD KCPM40	T74
EDCT180512PDERLDJ KC422M	T73
EDCT180512PDFRLDJ KC410M	T73
EDCT180516PDERLD KC522M	T74
EDCT180516PDERLDJ KC422M	T73
EDCT180516PDFRLDJ KC410M	T73
EDCT180520PDFRLDJ KC410M	T73
EDCT180524PDERLDJ KC422M	T73
EDCT180524PDFRLDJ KC410M	T73
EDCT180532PDERLD KC522M	T74
EDCT180532PDERLDJ KC422M	T73
EDCT180532PDFRLDJ KC410M	T73
EDCT180540PDERLD KC522M	T74
EDCT180540PDFRLDJ KC410M	T73
EDCT180548PDERLD KC522M	T74
EDCT180548PDFRLDJ KC410M	T73
EDCT180550PDFRLDJ KC410M	T73
EDCT180564PDERLD KC522M	T74
EDCT180564PDERLDJ KC422M	T73
EDCT180564PDFRLDJ KC410M	T73
EDPT070308PDSRGE KC522M	T25
EDPT070308PDSRGE KC725M	T25
EDPT070308PDSRGE KCPK30	T25
EDPT070308PDSRGE KCPM40	T25
EDPT070308PDSRGE KCSM30	T25
EDPT10T304PDERHD KC520M	T36, T43
EDPT10T304PDERHD KC522M	T36, T43
EDPT10T304PDERHD KC725M	T36, T43
EDPT10T304PDERHD KCK15	T36, T43
EDPT10T304PDERHD KCPK30	T36, T43
EDPT10T304PDERHD KCPM40	T36
EDPT10T304PDSRGD KC725M	T36, T44
EDPT10T304PDSRGD KCK15	T36, T44
EDPT10T304PDSRGD KCPK30	T36, T44
EDPT10T304PDSRGE KC522M	T36, T44
EDPT10T304PDSRGE KC725M	T36, T44
EDPT10T304PDSRGE KCPK30	T36, T44
EDPT10T304PDSRGE KCPM40	T36
EDPT10T308PDERHD KC520M	T36, T43
EDPT10T308PDERHD KC522M	T36, T43
EDPT10T308PDERHD KC725M	T36, T43
EDPT10T308PDERHD KCK15	T36, T43
EDPT10T308PDERHD KCPK30	T36, T43
EDPT10T308PDERHD KCPM40	T36
EDPT10T308PDERHD KCSM40	T36
EDPT10T308PDSRGD KC520M	T36, T44
EDPT10T308PDSRGD KC725M	T36, T44
EDPT10T308PDSRGD KCK15	T36, T44
EDPT10T308PDSRGD KCPK30	T36, T44
EDPT10T308PDSRGD KCPM40	T36, T44
EDPT10T308PDSRGD KCSM40	T36
EDPT10T308PDSRGE KC522M	T36, T44
EDPT10T308PDSRGE KC725M	T36, T44
EDPT10T308PDSRGE KCPK30	T36, T44
EDPT10T308PDSRGE KCPM40	T36
EDPT10T308PDSRGE KCSM40	T36
EDPT10T310PDERHD KC522M	T36, T43
EDPT10T310PDERHD KC725M	T36, T43
EDPT10T310PDERHD KCK15	T36, T43
EDPT10T310PDERHD KCPK30	T36, T43
EDPT10T312PDERHD KC520M	T36, T43
EDPT10T312PDERHD KC522M	T36, T43
EDPT10T312PDERHD KC725M	T36, T43
EDPT10T312PDERHD KCPK30	T36, T43
EDPT10T312PDERHD KCPM40	T36
EDPT10T312PDERHD KCSM40	T36
EDPT10T312PDSRGD KC520M	T36, T44
EDPT10T312PDSRGD KC725M	T36, T44
EDPT10T312PDSRGD KCK15	T36, T44
EDPT10T312PDSRGD KCPK30	T36, T44
EDPT10T312PDSRGE KC522M	T36, T44
EDPT10T312PDSRGE KC725M	T36, T44
EDPT10T312PDSRGE KCPK30	T36, T44
EDPT10T312PDSRGE KCSM40	T36
EDPT10T316PDERHD KC522M	T36, T43
EDPT10T316PDERHD KC725M	T36, T43
EDPT10T316PDERHD KCPK30	T36, T43
EDPT10T316PDERHD KCPM40	T36
EDPT10T316PDERHD KCSM30	T36
EDPT10T316PDERHD KCSM40	T36
EDPT10T316PDSRGD KC725M	T36, T44
EDPT10T316PDSRGD KCPK30	T36, T44
EDPT10T316PDSRGE KC522M	T36, T44
EDPT10T316PDSRGE KC725M	T36, T44
EDPT10T316PDSRGE KCPK30	T36, T44
EDPT10T316PDSRGE KCSM40	T36
EDPT10T320PDERHD KC725M	T36, T43
EDPT10T320PDERHD KCPK30	T36, T43
EDPT10T320PDERHD KCPM40	T36
EDPT10T320PDERHD KCSM40	T36
EDPT10T324PDERHD KC725M	T36, T43
EDPT10T324PDERHD KCPK30	T36, T43
EDPT10T324PDERHD KCSM40	T36
EDPT10T331PDERHD KC522M	T36, T43
EDPT10T331PDERHD KC725M	T36, T43
EDPT10T331PDERHD KCPK30	T36, T43
EDPT10T331PDERHD KCSM40	T36
EDPT10T331PDSRGE KC522M	T36, T44
EDPT10T331PDSRGE KC725M	T36, T44
EDPT10T331PDSRGE KCPK30	T36, T44
EDPT10T331PDSRGE KCSM40	T36
EDPT140404PDERHD KC520M	T53, T62
EDPT140404PDERHD KC522M	T53, T62
EDPT140404PDERHD KC725M	T53, T62
EDPT140404PDERHD KCK15	T53, T62
EDPT140404PDERHD KCPK30	T53, T62
EDPT140404PDERHD KCPM40	T53, T62
EDPT140404PDSRGE KC522M	T53, T62
EDPT140404PDSRGE KC725M	T53, T62
EDPT140404PDSRGE KCPK30	T53, T62
EDPT140408PDERHD KC520M	T53, T62
EDPT140408PDERHD KC522M	T53, T62
EDPT140408PDERHD KC725M	T53, T62
EDPT140408PDERHD KCK15	T53, T62
EDPT140408PDERHD KCPK30	T53, T62
EDPT140408PDERHD KCPM40	T53, T62
EDPT140408PDERHD KCSM40	T53, T62
EDPT140408PDERHD2 KC522M	T53, T62
EDPT140408PDERHD2 KC725M	T53, T62
EDPT140408PDERHD2 KCK15	T53, T62
EDPT140408PDERHD2 KCPK30	T53, T62
EDPT140408PDERHD2 KCPM40	T53, T62
EDPT140408PDSRGD KC520M	T54, T63
EDPT140408PDSRGD KC725M	T54, T63
EDPT140408PDSRGD KCPK30	T54, T63
EDPT140408PDSRGD KCPM40	T54, T63
EDPT140408PDSRGD KCSM40	T54, T63
EDPT140408PDSRGD2 KC520M	T54, T63
EDPT140408PDSRGD2 KC725M	T54, T63
EDPT140408PDSRGD2 KCPK30	T54, T63
EDPT140408PDSRGD2 KCPM40	T54, T63
EDPT140408PDSRGE KC522M	T53, T62
EDPT140408PDSRGE KC725M	T53, T62
EDPT140408PDSRGE KCPK30	T53, T62
EDPT140408PDSRGE KCPM40	T53, T62
EDPT140408PDSRGE KCSM40	T53, T62
EDPT140412PDERHD KC520M	T53, T62
EDPT140412PDERHD KC522M	T53, T62
EDPT140412PDERHD KC725M	T53, T62
EDPT140412PDERHD KCK15	T53, T62
EDPT140412PDERHD KCPK30	T53, T62
EDPT140412PDERHD KCPM40	T53, T62
EDPT140412PDERHD KCSM40	T53, T62
EDPT140412PDSRGD KC520M	T54, T63
EDPT140412PDSRGD KC725M	T54, T63
EDPT140412PDSRGD KCPK30	T54, T63
EDPT140412PDSRGD KCPM40	T54, T63
EDPT140412PDSRGD KCSM40	T54, T63
EDPT140412PDSRGE KC522M	T53, T62
EDPT140412PDSRGE KC725M	T53, T62
EDPT140412PDSRGE KCPK30	T53, T62
EDPT140412PDSRGE KCSM40	T53, T62
EDPT140416PDERHD KC522M	T53, T62
EDPT140416PDERHD KC725M	T53, T62
EDPT140416PDERHD KCK15	T53, T62
EDPT140416PDERHD KCPK30	T53, T62
EDPT140416PDERHD KCPM40	T53, T62
EDPT140416PDERHD KCSM30	T53, T62
EDPT140416PDERHD KCSM40	T53, T62
EDPT140416PDSRGD KC520M	T54, T63
EDPT140416PDSRGD KC725M	T54, T63
EDPT140416PDSRGD KCPK30	T54, T63
EDPT140416PDSRGD KCPM40	T54, T63
EDPT140416PDSRGD KCSM40	T54, T63
EDPT140416PDSRGE KC522M	T53, T62
EDPT140416PDSRGE KC725M	T53, T62
EDPT140416PDSRGE KCPK30	T53, T62
EDPT140416PDSRGE KCSM40	T53, T62
EDPT140420PDERHD KC522M	T53, T62
EDPT140420PDERHD KC725M	T53, T62
EDPT140420PDERHD KCPK30	T53, T62
EDPT140420PDERHD KCSM40	T53, T62
EDPT140424PDERHD KC522M	T53, T62
EDPT140424PDERHD KC725M	T53, T62

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
EDPT140424PDERHD KCPK30	T53, T62
EDPT140424PDERHD KCPM40	T53, T62
EDPT140424PDERHD KCSM40	T53, T62
EDPT140431PDERHD KC522M	T53, T62
EDPT140431PDERHD KC725M	T53, T62
EDPT140431PDERHD KCPK30	T53, T62
EDPT140431PDERHD KCSM30	T53, T62
EDPT140431PDERHD KCSM40	T53, T62
EDPT140431PDSRGE KC725M	T53, T62
EDPT140431PDSRGE KCPK30	T53, T62
EDPT140431PDSRGE KCSM40	T53, T62
EDPT140440PDERHD KC522M	T53, T62
EDPT140440PDERHD KC725M	T53, T62
EDPT140440PDERHD KCPK30	T53, T62
EDPT140440PDERHD KCSM30	T53, T62
EDPT140440PDERHD KCSM40	T53, T62
EDPT180508PDERGD KC520M	T74
EDPT180508PDERGD KC725M	T74
EDPT180508PDERGD KCPK30	T74
EDPT180508PDERGD KCPM40	T74
EDPT180508PDERGD KCSM40	T74
EDPT180508PDERHD KC725M	T75
EDPT180508PDERHD KCPK30	T75
EDPT180508PDERHD KCPM40	T75
EDPT180508PDERHD KCSM40	T75
EDPT180508PDSRGD KC725M	T75
EDPT180508PDSRGD KCK15	T75
EDPT180508PDSRGD KCPK30	T75
EDPT180508PDSRGD KCPM40	T75
EDPT180508PDSRGD KCSM40	T75
EDPT180508PDSRGE KC522M	T75
EDPT180508PDSRGE KC725M	T75
EDPT180508PDSRGE KCPK30	T75
EDPT180508PDSRGE KCSM40	T75
EDPT180512PDERGD KC725M	T74
EDPT180512PDERGD KCPM40	T74
EDPT180512PDERHD KC725M	T75
EDPT180512PDERHD KCPK30	T75
EDPT180512PDERHD KCSM40	T75
EDPT180512PDSRGD KC725M	T75
EDPT180512PDSRGD KCK15	T75
EDPT180512PDSRGD KCPK30	T75
EDPT180512PDSRGD KCPM40	T75
EDPT180512PDSRGD KCSM40	T75
EDPT180512PDSRGE KC522M	T75
EDPT180512PDSRGE KCPK30	T75
EDPT180512PDSRGE KCSM40	T75
EDPT180516PDERGD KC522M	T74
EDPT180516PDERGD KC725M	T74
EDPT180516PDERGD KCPK30	T74
EDPT180516PDERGD KCPM40	T74
EDPT180516PDERGD KCSM40	T74
EDPT180516PDERHD KC725M	T75
EDPT180516PDERHD KCPK30	T75
EDPT180516PDERHD KCPM40	T75
EDPT180516PDERHD KCSM40	T75
EDPT180516PDSRGD KC725M	T75
EDPT180516PDSRGD KCPK30	T75
EDPT180516PDSRGD KCPM40	T75
EDPT180516PDSRGD KCSM40	T75
EDPT180516PDSRGE KCSM40	T75
EDPT180524PDERGD KC725M	T74
EDPT180532PDERGD KC520M	T74
EDPT180532PDERGD KC522M	T74
EDPT180532PDERGD KC725M	T74
EDPT180532PDERGD KCPK30	T74
EDPT180532PDERGD KCSM40	T74
EDPT180532PDERHD KC725M	T75
EDPT180532PDERHD KCPK30	T75
EDPT180532PDERHD KCPM40	T75
EDPT180532PDERHD KCSM40	T75
EDPT180532PDSRGD KC725M	T75
EDPT180532PDSRGD KCPK30	T75
EDPT180532PDSRGD KCSM40	T75
EDPT180532PDSRGE KCPK30	T75
EDPT180532PDSRGE KCSM40	T75
EDPT180540PDERHD KC725M	T75
EDPT180540PDERHD KCSM40	T75
EDPT180548PDERGD KC725M	T74
EDPT180548PDERGD KCSM40	T74
EDPT180548PDERHD KC725M	T75
EDPT180548PDERHD KCPK30	T75
EDPT180548PDERHD KCSM40	T75
EDPT180548PDSRGD KCSM40	T75
EDPT180564PDERGD KC522M	T74
EDPT180564PDERGD KC725M	T74
EDPT180564PDERGD KCPK30	T74
EDPT180564PDERGD KCSM40	T74
EDPT180564PDERHD KC725M	T75
EDPT180564PDERHD KCPK30	T75
EDPT180564PDSRGD KC725M	T75
EDPT180564PDSRGD KCSM40	T75
EG0200M02P02GUP K313	C18
EG0200M02P02GUP KCU10	C18
EG0200M02P02GUP KCU25	C18
EG0212M02U02GUN KCK20B	C22
EG0212M02U02GUN KCP10B	C22
EG0212M02U02GUN KCP25B	C22
EG0212M02U02GUN KCU10	C22
EG0212M02U02GUN KCU25	C22
EG0212M02U02GUP KCP10B	C17
EG0212M02U02GUP KCP25B	C17
EG0212M02U02GUP KCU10	C17
EG0212M02U02GUP KCU25	C17
EG0251M02U02GUN KCK20B	C22
EG0251M02U02GUN KCP10B	C22
EG0251M02U02GUN KCP25B	C22
EG0251M02U02GUN KCU10	C22
EG0251M02U02GUN KCU25	C22
EG0251M02U02GUP KCP10B	C17
EG0251M02U02GUP KCP25B	C17
EG0251M02U02GUP KCU10	C17
EG0251M02U02GUP KCU25	C17
EG0300M03P02GUP K313	C18
EG0300M03P02GUP KCU10	C18
EG0300M03P02GUP KCU25	C18
EG0300M03P04GUP K313	C18
EG0300M03P04GUP KCU10	C18
EG0300M03P04GUP KCU25	C18
EG0312M03U02GUN KCK20B	C22
EG0312M03U02GUN KCP10B	C22
EG0312M03U02GUN KCP25B	C22
EG0312M03U02GUN KCU10	C22
EG0312M03U02GUN KCU25	C22
EG0312M03U02GUP KCP10B	C17
EG0312M03U02GUP KCU10	C17
EG0312M03U02GUP KCU25	C17
EG0312M03U04GUN KCK20B	C22
EG0312M03U04GUN KCP10B	C22
EG0312M03U04GUN KCP25B	C22
EG0312M03U04GUN KCU10	C22
EG0312M03U04GUN KCU25	C22
EG0312M03U04GUP KCP10B	C17
EG0312M03U04GUP KCP25B	C17
EG0312M03U04GUP KCU10	C17
EG0312M03U04GUP KCU25	C17
EG0400M04P04GUP K313	C18
EG0400M04P04GUP KCU10	C18
EG0400M04P04GUP KCU25	C18
EG0400M04P08GUP K313	C18
EG0400M04P08GUP KCU10	C18
EG0400M04P08GUP KCU25	C18
EG0412M04U04GUN KCK20B	C22
EG0412M04U04GUN KCP10B	C22
EG0412M04U04GUN KCP25B	C22
EG0412M04U04GUN KCU10	C22
EG0412M04U04GUN KCU25	C22
EG0412M04U04GUP KCP10B	C17
EG0412M04U04GUP KCP25B	C17
EG0412M04U04GUP KCU10	C17
EG0412M04U04GUP KCU25	C17
EG0412M04U08GUN KCK20B	C22
EG0412M04U08GUN KCP10B	C22
EG0412M04U08GUN KCP25B	C22
EG0412M04U08GUN KCU10	C22
EG0412M04U08GUN KCU25	C22
EG0412M04U08GUP KCP10B	C17
EG0412M04U08GUP KCP25B	C17
EG0412M04U08GUP KCU10	C17
EG0412M04U08GUP KCU25	C17
EG0500M05P04GUP K313	C18
EG0500M05P04GUP KCU10	C18
EG0500M05P04GUP KCU25	C18
EG0500M05P08GUP K313	C18
EG0500M05P08GUP KCU10	C18
EG0500M05P08GUP KCU25	C18
EG0512M05U04GUN KCK20B	C22
EG0512M05U04GUN KCP10B	C22
EG0512M05U04GUN KCP25B	C22
EG0512M05U04GUN KCU10	C22
EG0512M05U04GUN KCU25	C22
EG0512M05U04GUP KCP10B	C17
EG0512M05U04GUP KCP25B	C17
EG0512M05U04GUP KCU10	C17
EG0512M05U04GUP KCU25	C17
EG0512M05U08GUN KCK20B	C22
EG0512M05U08GUN KCP10B	C22
EG0512M05U08GUN KCP25B	C22
EG0512M05U08GUN KCU10	C22
EG0512M05U08GUN KCU25	C22
EG0512M05U08GUP KCP10B	C17
EG0512M05U08GUP KCP25B	C17
EG0512M05U08GUP KCU10	C17
EG0512M05U08GUP KCU25	C17
EG0600M06P04GUP K313	C18
EG0600M06P04GUP KCU10	C18
EG0600M06P04GUP KCU25	C18
EG0600M06P08GUP K313	C18
EG0600M06P08GUP KCU10	C18
EG0600M06P08GUP KCU25	C18
EG0612M06U04GUN KCK20B	C22
EG0612M06U04GUN KCP10B	C22
EG0612M06U04GUN KCU10	C22
EG0612M06U04GUN KCU25	C22
EG0612M06U04GUP KCP10B	C17
EG0612M06U04GUP KCP25B	C17
EG0612M06U04GUP KCU10	C17
EG0612M06U04GUP KCU25	C17
EG0612M06U08GUN KCK20B	C22
EG0612M06U08GUN KCP25B	C22
EG0612M06U08GUN KCU10	C22
EG0612M06U08GUN KCU25	C22
EG0612M06U08GUP KCP10B	C17
EG0612M06U08GUP KCP25B	C17
EG0612M06U08GUP KCU10	C17
EG0612M06U08GUP KCU25	C17
EG0631I1FP05GUP K313	C20
EG0631I1FP05GUP KCU10	C20
EG0631I1FP05GUP KCU25	C20
EG0631I1FU05GUN KCK20B	C23
EG0631I1FU05GUN KCP10B	C23
EG0631I1FU05GUN KCP25B	C23
EG0631I1FU05GUN KCU10	C23
EG0631I1FU05GUN KCU25	C23
EG0700M06P08GUP K313	C18
EG0700M06P08GUP KCU10	C18
EG0700M06P08GUP KCU25	C18
EG0712M06U08GUP KCP10B	C17
EG0712M06U08GUP KCP25B	C17
EG0712M06U08GUP KCU10	C17
EG0712M06U08GUP KCU25	C17
EG0800M08P08GUP K313	C18
EG0800M08P08GUP KCU10	C18
EG0800M08P08GUP KCU25	C18
EG0800M08P12GUP K313	C18
EG0800M08P12GUP KCU10	C18
EG0800M08P12GUP KCU25	C18
EG0812M08U08GUN KCK20B	C22
EG0812M08U08GUN KCP10B	C22
EG0812M08U08GUN KCP25B	C22
EG0812M08U08GUN KCU10	C22
EG0812M08U08GUN KCU25	C22
EG0812M08U08GUP KCP10B	C17
EG0812M08U08GUP KCP25B	C17
EG0812M08U08GUP KCU10	C17
EG0812M08U08GUP KCU25	C17
EG0812M08U12GUN KCK20B	C22
EG0812M08U12GUN KCP10B	C22
EG0812M08U12GUN KCP25B	C22
EG0812M08U12GUN KCU10	C22
EG0812M08U12GUN KCU25	C22
EG0812M08U12GUP KCP10B	C17
EG0812M08U12GUP KCP25B	C17
EG0812M08U12GUP KCU10	C17
EG0812M08U12GUP KCU25	C17
EG094I02P05GUP K313	C20
EG094I02P05GUP KCU10	C20
EG094I02P05GUP KCU25	C20
EG1000M10P12GUP K313	C18
EG1000M10P12GUP KCU10	C18
EG1000M10P12GUP KCU25	C18
EG1012M10U12GUN KCK20B	C22
EG1012M10U12GUN KCP10B	C22
EG1012M10U12GUN KCP25B	C22
EG1012M10U12GUN KCU10	C22
EG1012M10U12GUN KCU25	C22
EG1012M10U12GUP KCP10B	C17
EG1012M10U12GUP KCP25B	C17
EG1012M10U12GUP KCU10	C17
EG1012M10U12GUP KCU25	C17
EG125I03P05GUP K313	C20
EG125I03P05GUP KCU10	C20
EG125I03P05GUP KCU25	C20
EG125I03P1GUP K313	C20
EG125I03P1GUP KCU10	C20
EG125I03P1GUP KCU25	C20
EG130I03U05GUN KCK20B	C23
EG130I03U05GUN KCP10B	C23
EG130I03U05GUN KCP25B	C23
EG130I03U05GUN KCU10	C23
EG130I03U05GUN KCU25	C23
EG130I03U05GUP KCP10B	C19
EG130I03U05GUP KCP25B	C19
EG130I03U05GUP KCU10	C19
EG130I03U05GUP KCU25	C19
EG130I03U1GUN KCK20B	C23
EG130I03U1GUN KCP10B	C23
EG130I03U1GUN KCP25B	C23
EG130I03U1GUN KCU10	C23
EG130I03U1GUN KCU25	C23
EG130I03U1GUP KCP10B	C19
EG130I03U1GUP KCP25B	C19
EG130I03U1GUP KCU10	C19
EG130I03U1GUP KCU25	C19
EG187I04P1GUP K313	C20
EG187I04P1GUP KCU10	C20
EG187I04P1GUP KCU25	C20
EG187I04P2GUP K313	C20
EG187I04P2GUP KCU10	C20
EG187I04P2GUP KCU25	C20
EG192I04U1GUN KCK20B	C23
EG192I04U1GUN KCP10B	C23
EG192I04U1GUN KCP25B	C23
EG192I04U1GUN KCU10	C23
EG192I04U1GUN KCU25	C23
EG192I04U1GUP KCP10B	C19
EG192I04U1GUP KCP25B	C19
EG192I04U1GUP KCU10	C19
EG192I04U1GUP KCU25	C19
EG192I04U2GUN KCK20B	C23
EG192I04U2GUN KCP10B	C23
EG192I04U2GUN KCP25B	C23
EG192I04U2GUN KCU10	C23
EG192I04U2GUN KCU25	C23
EG192I04U2GUP KCP10B	C19
EG192I04U2GUP KCP25B	C19
EG192I04U2GUP KCU10	C19
EG192I04U2GUP KCU25	C19
EG250I06P1GUP K313	C20
EG250I06P1GUP KCU10	C20
EG250I06P1GUP KCU25	C20
EG250I06P2GUP K313	C20
EG250I06P2GUP KCU10	C20
EG250I06P2GUP KCU25	C20
EG255I06U1GUN KCK20B	C23
EG255I06U1GUN KCP10B	C23
EG255I06U1GUN KCP25B	C23
EG255I06U1GUN KCU10	C23
EG255I06U1GUN KCU25	C23
EG255I06U1GUP KCP10B	C19
EG255I06U1GUP KCP25B	C19
EG255I06U1GUP KCU10	C19
EG255I06U1GUP KCU25	C19
EG255I06U2GUN KCK20B	C23
EG255I06U2GUN KCP10B	C23
EG255I06U2GUN KCP25B	C23
EG255I06U2GUN KCU10	C23
EG255I06U2GUN KCU25	C23

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
EG255I06U2GUP KCP10B	C19
EG255I06U2GUP KCP25B	C19
EG255I06U2GUP KCU10	C19
EG255I06U2GUP KCU25	C19
EG312I08P3GUP K313	C20
EG312I08P3GUP KCU10	C20
EG312I08P3GUP KCU25	C20
EG317I08U3GUN KCK20B	C23
EG317I08U3GUN KCP10B	C23
EG317I08U3GUN KCP25B	C23
EG317I08U3GUN KCU10	C23
EG317I08U3GUN KCU25	C23
EG317I08U3GUP KCP10B	C19
EG317I08U3GUP KCP25B	C19
EG317I08U3GUP KCU10	C19
EG317I08U3GUP KCU25	C19
EG375I10P3GUP K313	C20
EG375I10P3GUP KCU10	C20
EG375I10P3GUP KCU25	C20
EG380I10U3GUN KCK20B	C23
EG380I10U3GUN KCP10B	C23
EG380I10U3GUN KCP25B	C23
EG380I10U3GUN KCU10	C23
EG380I10U3GUN KCU25	C23
EG380I10U3GUP KCP10B	C19
EG380I10U3GUP KCP25B	C19
EG380I10U3GUP KCU10	C19
EG380I10U3GUP KCU25	C19
ENGN130704T02020 KY1615	B315
ENGN130708T02020 KY1615	B315
ENGN130712T02020 KY1615	B315
ENGN130716T02020 KY1615	B315
ENGX130716T02020 KY3500	B296
ER0300M03P00GUP K313	C21
ER0300M03P00GUP KCU10	C21
ER0300M03P00GUP KCU25	C21
ER0312M03U00GUN KCK20B	C23
ER0312M03U00GUN KCP10B	C23
ER0312M03U00GUN KCP25B	C23
ER0312M03U00GUN KCU10	C23
ER0312M03U00GUN KCU25	C23
ER0312M03U00GUP KCP10B	C20
ER0312M03U00GUP KCP25B	C20
ER0312M03U00GUP KCU10	C20
ER0312M03U00GUP KCU25	C20
ER0400M04P00GUP K313	C21
ER0400M04P00GUP KCU10	C21
ER0400M04P00GUP KCU25	C21
ER0412M04U00GUN KCK20B	C23
ER0412M04U00GUN KCP10B	C23
ER0412M04U00GUN KCP25B	C23
ER0412M04U00GUN KCU10	C23
ER0412M04U00GUN KCU25	C23
ER0412M04U00GUP KCP10B	C20
ER0412M04U00GUP KCP25B	C20
ER0412M04U00GUP KCU10	C20
ER0412M04U00GUP KCU25	C20
ER0500M05P00GUP K313	C21
ER0500M05P00GUP KCU10	C21
ER0500M05P00GUP KCU25	C21
ER0512M05U00GUN KCK20B	C23
ER0512M05U00GUN KCP10B	C23
ER0512M05U00GUN KCP25B	C23
ER0512M05U00GUN KCU10	C23
ER0512M05U00GUN KCU25	C23
ER0512M05U00GUP KCP10B	C20
ER0512M05U00GUP KCP25B	C20
ER0512M05U00GUP KCU10	C20
ER0512M05U00GUP KCU25	C20
ER0600M06P00GUP K313	C21
ER0600M06P00GUP KCU10	C21
ER0600M06P00GUP KCU25	C21
ER0612M06U00GUN KCK20B	C23
ER0612M06U00GUN KCP10B	C23
ER0612M06U00GUN KCP25B	C23
ER0612M06U00GUN KCU10	C23
ER0612M06U00GUN KCU25	C23
ER0612M06U00GUP KCP10B	C20
ER0612M06U00GUP KCP25B	C20
ER0612M06U00GUP KCU10	C20
ER0612M06U00GUP KCU25	C20
ER0800M08P00GUP K313	C21
ER0800M08P00GUP KCU10	C21
ER0800M08P00GUP KCU25	C21
ER0812M08U00GUN KCK20B	C23
ER0812M08U00GUN KCP10B	C23
ER0812M08U00GUN KCP25B	C23
ER0812M08U00GUN KCU10	C23
ER0812M08U00GUN KCU25	C23
ER0812M08U00GUP KCP10B	C20
ER0812M08U00GUP KCP25B	C20
ER0812M08U00GUP KCU10	C20
ER0812M08U00GUP KCU25	C20
ER094I02U00GUN KCK20B	C24
ER094I02U00GUN KCP10B	C24
ER094I02U00GUN KCP25B	C24
ER094I02U00GUN KCU10	C24
ER094I02U00GUN KCU25	C24
ER125I03P00GUP K313	C22
ER125I03P00GUP KCU10	C22
ER125I03P00GUP KCU25	C22
ER125I03U00GUN KCK20B	C24
ER125I03U00GUN KCP10B	C24
ER125I03U00GUN KCP25B	C24
ER125I03U00GUN KCU10	C24
ER125I03U00GUN KCU25	C24
ER130I03U00GUN KCK20B	C24
ER130I03U00GUN KCP10B	C24
ER130I03U00GUN KCP25B	C24
ER130I03U00GUN KCU10	C24
ER130I03U00GUN KCU25	C24
ER130I03U00GUP KCP10B	C21
ER130I03U00GUP KCP25B	C21
ER130I03U00GUP KCU10	C21
ER130I03U00GUP KCU25	C21
ER187I04P00GUP K313	C22
ER187I04P00GUP KCU10	C22
ER187I04P00GUP KCU25	C22
ER187I04U00GUN KCK20B	C24
ER187I04U00GUN KCP10B	C24
ER187I04U00GUN KCP25B	C24
ER187I04U00GUN KCU10	C24
ER187I04U00GUN KCU25	C24
ER192I04U00GUN KCK20B	C24
ER192I04U00GUN KCP10B	C24
ER192I04U00GUN KCP25B	C24
ER192I04U00GUN KCU10	C24
ER192I04U00GUN KCU25	C24
ER192I04U00GUP KCP10B	C21
ER192I04U00GUP KCP25B	C21
ER192I04U00GUP KCU10	C21
ER192I04U00GUP KCU25	C21
ER250I06P00GUP K313	C22
ER250I06P00GUP KCU10	C22
ER250I06P00GUP KCU25	C22
ER250I06U00GUN KCK20B	C24
ER250I06U00GUN KCP10B	C24
ER250I06U00GUN KCP25B	C24
ER250I06U00GUN KCU10	C24
ER250I06U00GUN KCU25	C24
ER255I06U00GUN KCK20B	C24
ER255I06U00GUN KCP10B	C24
ER255I06U00GUN KCP25B	C24
ER255I06U00GUN KCU10	C24
ER255I06U00GUN KCU25	C24
ER255I06U00GUP KCP10B	C21
ER255I06U00GUP KCP25B	C21
ER255I06U00GUP KCU10	C21
ER255I06U00GUP KCU25	C21
ER25FBHS40	K134
ER25RBHT40	K119
ER312I08P00GUP K313	C22
ER312I08P00GUP KCU10	C22
ER312I08P00GUP KCU25	C22
ER312I08U00GUN KCK20B	C24
ER312I08U00GUN KCP10B	C24
ER312I08U00GUN KCP25B	C24
ER312I08U00GUN KCU10	C24
ER312I08U00GUN KCU25	C24
ER317I08U00GUN KCK20B	C24
ER317I08U00GUN KCP10B	C24
ER317I08U00GUN KCP25B	C24
ER317I08U00GUN KCU10	C24
ER317I08U00GUN KCU25	C24
ER317I08U00GUP KCP10B	C21
ER317I08U00GUP KCP25B	C21
ER317I08U00GUP KCU10	C21
ER317I08U00GUP KCU25	C21
ER32FBHS51	K134
ER32RBHT50	K119
ER40FBHS67	K134
ER40RBHT66	K119
EVBSN19G0220	C49
EVBSN19G1B14	C49
EVBSN19G1F16	C49
EVBSN26J0230	C49
EVBSN26J0340	C49
EVBSN26J0440	C49
EVBSN26J0540	C49
EVBSN26J0640	C49
EVBSN26J1B15	C49
EVBSN26J1F17	C49
EVBSN26M0230	C49
EVBSN26M0340	C49
EVBSN32M0250	C49
EVBSN32M0350	C49
EVBSN32M0450	C49
EVBSN32M0560	C49
EVBSN32M0660	C49
EVBSN32M0860	C49
EVBSN52X06120	C49
EVBSN52X08120	C49
EVM50L0212M	C51
EVM50L0216M	C51
EVM50L0312A035040C	C53
EVM50L0312A040050C	C53
EVM50L0312A050060C	C53
EVM50L0312A060075C	C53
EVM50L0312A075100C	C53
EVM50L0312A100180C	C53
EVM50L0312A180250C	C53
EVM50L0312A250350C	C53
EVM50L0312A350999C	C53
EVM50L0312B035040C	C56
EVM50L0312B040050C	C56
EVM50L0312B050060C	C56
EVM50L0312B060075C	C56
EVM50L0312B075100C	C56
EVM50L0312B100180C	C56
EVM50L0312B180250C	C56
EVM50L0312B250350C	C56
EVM50L0312B350999C	C56
EVM50L0312MC	C51
EVM50L0316MC	C51
EVM50L0320A075100C	C53
EVM50L0320A100180C	C53
EVM50L0320A180250C	C53
EVM50L0320A250350C	C53
EVM50L0320A350999C	C53
EVM50L0320B075100C	C56
EVM50L0320B100180C	C56
EVM50L0320B180250C	C56
EVM50L0320B250350C	C56
EVM50L0320B350999C	C56
EVM50L0322MC	C51
EVM50L0412MC	C51
EVM50L0416A040050C	C53
EVM50L0416A050060C	C53
EVM50L0416A060075C	C53
EVM50L0416A075100C	C53
EVM50L0416A100180C	C53
EVM50L0416A180250C	C53
EVM50L0416A250350C	C53
EVM50L0416A350999C	C53
EVM50L0416B040050C	C56
EVM50L0416B050060C	C56
EVM50L0416B060075C	C56
EVM50L0416B075100C	C56
EVM50L0416B100180C	C56
EVM50L0416B180250C	C56
EVM50L0416B250350C	C56
EVM50L0416B350999C	C56
EVM50L0416MC	C51
EVM50L0422MC	C51
EVM50L0426A100180C	C53
EVM50L0426A180250C	C53
EVM50L0426A250350C	C53
EVM50L0426A350999C	C54
EVM50L0426B100180C	C56
EVM50L0426B180250C	C56
EVM50L0426B250350C	C56
EVM50L0426B350999C	C57
EVM50L0426MC	C51
EVM50L0432MC	C51
EVM50L0512MC	C51
EVM50L0516MC	C51
EVM50L0520A050060C	C54
EVM50L0520A060075C	C54
EVM50L0520A075100C	C54
EVM50L0520A100180C	C54
EVM50L0520A180250C	C54
EVM50L0520A250350C	C54
EVM50L0520A350999C	C54
EVM50L0520B050060C	C57
EVM50L0520B060075C	C57
EVM50L0520B075100C	C57
EVM50L0520B100180C	C57
EVM50L0520B180250C	C57
EVM50L0520B250350C	C57
EVM50L0520B350999C	C57
EVM50L0526MC	C51
EVM50L0532MC	C51
EVM50L1F12M	C51
EVM50R0212M	C50
EVM50R0216M	C50
EVM50R0312A035040C	C52
EVM50R0312A040050C	C52
EVM50R0312A050060C	C52
EVM50R0312A060075C	C52
EVM50R0312A075100C	C52
EVM50R0312A100180C	C52
EVM50R0312A180250C	C52
EVM50R0312A250350C	C52
EVM50R0312A350999C	C52
EVM50R0312B035040C	C55
EVM50R0312B040050C	C55
EVM50R0312B050060C	C55
EVM50R0312B060075C	C55
EVM50R0312B075100C	C55
EVM50R0312B100180C	C55
EVM50R0312B180250C	C55
EVM50R0312B250350C	C55
EVM50R0312B350999C	C55
EVM50R0312MC	C50
EVM50R0316MC	C50
EVM50R0320A075100C	C52
EVM50R0320A100180C	C52
EVM50R0320A180250C	C52
EVM50R0320A250350C	C52
EVM50R0320A350999C	C52
EVM50R0320B075100C	C55
EVM50R0320B100180C	C55
EVM50R0320B180250C	C55
EVM50R0320B250350C	C55
EVM50R0320B350999C	C55
EVM50R0322MC	C50
EVM50R0412MC	C50
EVM50R0416A040050C	C52
EVM50R0416A050060C	C52
EVM50R0416A060075C	C52
EVM50R0416A075100C	C52
EVM50R0416A100180C	C52
EVM50R0416A180250C	C52
EVM50R0416A250350C	C52
EVM50R0416A350999C	C52
EVM50R0416B040050C	C55
EVM50R0416B050060C	C55
EVM50R0416B060075C	C55
EVM50R0416B075100C	C55
EVM50R0416B100180C	C55
EVM50R0416B180250C	C55
EVM50R0416B250350C	C55
EVM50R0416B350999C	C55
EVM50R0416MC	C50
EVM50R0422MC	C50
EVM50R0426A100180C	C52
EVM50R0426A180250C	C53
EVM50R0426A250350C	C53

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
EVM50R0426A350999C	C53
EVM50R0426B100180C	C55
EVM50R0426B180250C	C56
EVM50R0426B250350C	C56
EVM50R0426B350999C	C56
EVM50R0426MC	C50
EVM50R0432MC	C50
EVM50R0512MC	C50
EVM50R0516MC	C50
EVM50R0520A050060C	C53
EVM50R0520A060075C	C53
EVM50R0520A075100C	C53
EVM50R0520A100180C	C53
EVM50R0520A180250C	C53
EVM50R0520A250350C	C53
EVM50R0520A350999C	C53
EVM50R0520B050060C	C56
EVM50R0520B060075C	C56
EVM50R0520B075100C	C56
EVM50R0520B100180C	C56
EVM50R0520B180250C	C56
EVM50R0520B250350C	C56
EVM50R0520B350999C	C56
EVM50R0526MC	C50
EVM50R0532MC	C50
EVM50R1F12M	C50
EVM65L0616MC	C51
EVM65L0620A060075C	C54
EVM65L0620A075100C	C54
EVM65L0620A100180C	C54
EVM65L0620A180250C	C54
EVM65L0620A250350C	C54
EVM65L0620A350999C	C54
EVM65L0620B060075C	C57
EVM65L0620B075100C	C57
EVM65L0620B100180C	C57
EVM65L0620B180250C	C57
EVM65L0620B250350C	C57
EVM65L0620B350999C	C57
EVM65L0626MC	C51
EVM65L0632MC	C51
EVM65L0816MC	C51
EVM65L0820A080180C	C54
EVM65L0820A180999C	C54
EVM65L0820B080180C	C57
EVM65L0820B180999C	C57
EVM65L0826MC	C51
EVM65R0616MC	C50
EVM65R0620A060075C	C53
EVM65R0620A075100C	C53
EVM65R0620A100180C	C53
EVM65R0620A180250C	C53
EVM65R0620A250350C	C53
EVM65R0620A350999C	C53
EVM65R0620B060075C	C56
EVM65R0620B075100C	C56
EVM65R0620B100180C	C56
EVM65R0620B180250C	C56
EVM65R0620B250350C	C56
EVM65R0620B350999C	C56
EVM65R0626MC	C50
EVM65R0632MC	C50
EVM65R0816MC	C50
EVM65R0820A080180C	C53
EVM65R0820A180999C	C53
EVM65R0820B080180C	C56
EVM65R0820B180999C	C56
EVM65R0826MC	C50
EVSBL2020K0312035040C	C44
EVSBL2020K0312040050C	C44
EVSBL2020K0312050060C	C44
EVSBL2020K0312060075C	C44
EVSBL2020K0312075100C	C44
EVSBL2020K0416040050C	C44
EVSBL2020K0416050060C	C44
EVSBL2020K0416060075C	C44
EVSBL2020K0416075100C	C44
EVSBL2525M0312100180C	C44
EVSBL2525M0312180250C	C44
EVSBL2525M0320060075C	C44
EVSBL2525M0320075100C	C44
EVSBL2525M0320100180C	C44
EVSBL2525M0320180250C	C44
EVSBL2525M0416100180C	C44
EVSBL2525M0416180250C	C44
EVSBL2525M0426060075C	C44
EVSBL2525M0426075100C	C44
EVSBL2525M0426100180C	C45
EVSBL2525M0426180250C	C45
EVSBL2525M0516050060C	C45
EVSBL2525M0516060075C	C45
EVSBL2525M0516075100C	C45
EVSBL2525M0516100180C	C45
EVSBL2525M0516180250C	C45
EVSBL2525M0516250350C	C45
EVSBL2525M0516350999C	C45
EVSBL2525M0526050060C	C45
EVSBL2525M0526060075C	C45
EVSBL2525M0526075100C	C45
EVSBL2525M0616060075C	C45
EVSBL2525M0616075100C	C45
EVSBL2525M0616100180C	C45
EVSBL2525M0616180250C	C45
EVSBL2525M0616250350C	C45
EVSBL2525M0616350999C	C45
EVSBL2525M0626060075C	C45
EVSBL2525M0626075100C	C45
EVSBL3232P0532100180C	C45
EVSBL3232P0532180250C	C45
EVSBL3232P0532250350C	C45
EVSBL3232P0532350999C	C45
EVSBL3232P0632100180C	C45
EVSBL3232P0632180250C	C45
EVSBL3232P0632250350C	C45
EVSBL3232P0632350999C	C45
EVSBR2020K0312035040C	C43
EVSBR2020K0312040050C	C43
EVSBR2020K0312050060C	C43
EVSBR2020K0312060075C	C43
EVSBR2020K0312075100C	C43
EVSBR2020K0416040050C	C43
EVSBR2020K0416050060C	C43
EVSBR2020K0416060075C	C43
EVSBR2020K0416075100C	C43
EVSBR2525M0312100180C	C43
EVSBR2525M0312180250C	C43
EVSBR2525M0320060075C	C43
EVSBR2525M0320075100C	C43
EVSBR2525M0320100180C	C43
EVSBR2525M0320180250C	C43
EVSBR2525M0416100180C	C43
EVSBR2525M0416180250C	C43
EVSBR2525M0426060075C	C43
EVSBR2525M0426075100C	C43
EVSBR2525M0426100180C	C43
EVSBR2525M0426180250C	C43
EVSBR2525M0516050060C	C43
EVSBR2525M0516060075C	C43
EVSBR2525M0516075100C	C44
EVSBR2525M0516100180C	C44
EVSBR2525M0516180250C	C44
EVSBR2525M0516250350C	C44
EVSBR2525M0516350999C	C44
EVSBR2525M0526050060C	C44
EVSBR2525M0526060075C	C44
EVSBR2525M0526075100C	C44
EVSBR2525M0616060075C	C44
EVSBR2525M0616075100C	C44
EVSBR2525M0616100180C	C44
EVSBR2525M0616180250C	C44
EVSBR2525M0616250350C	C44
EVSBR2525M0616350999C	C44
EVSBR2525M0626060075C	C44
EVSBR2525M0626075100C	C44
EVSBR3232P0532100180C	C44
EVSBR3232P0532180250C	C44
EVSBR3232P0532250350C	C44
EVSBR3232P0532350999C	C44
EVSBR3232P0632100180C	C44
EVSBR3232P0632180250C	C44
EVSBR3232P0632250350C	C44
EVSBR3232P0632350999C	C44
EVSCFL1010K0210	C42
EVSCFL1010K1B10	C42
EVSCFL1010K1F10	C42
EVSCFL1212K0210	C42
EVSCFL1212K0216	C42
EVSCFL1212K0310C	C42
EVSCFL1212K0316C	C42
EVSCFL1212K1B10	C42
EVSCFL1212K1B13	C42
EVSCFL1212K1F10	C42
EVSCFL1212K1F13	C42
EVSCFL1616K0216	C42
EVSCFL1616K0316C	C42
EVSCFL1616K1B16	C42
EVSCFL1616K1F16	C42
EVSCFL2020K0216	C42
EVSCFL2020K0316C	C42
EVSCFL2020K1B16	C42
EVSCFL2020K1F16	C42
EVSCFR1010K0210	C41
EVSCFR1010K1B10	C41
EVSCFR1010K1F10	C41
EVSCFR1212K0210	C41
EVSCFR1212K0216	C41
EVSCFR1212K0310C	C41
EVSCFR1212K0316C	C41
EVSCFR1212K1B10	C41
EVSCFR1212K1B13	C41
EVSCFR1212K1F10	C41
EVSCFR1212K1F13	C41
EVSCFR1616K0216	C41
EVSCFR1616K0316C	C41
EVSCFR1616K1B16	C41
EVSCFR1616K1F16	C41
EVSCFR2020K0216	C41
EVSCFR2020K0316C	C41
EVSCFR2020K1B16	C41
EVSCFR2020K1F16	C41
EVSCTL1212K0216	C40
EVSCTL1212K0316C	C40
EVSCTL1212K1B16	C40
EVSCTL1212K1F16	C40
EVSCTL1616K0216	C40
EVSCTL1616K0316C	C40
EVSCTL1616K0416C	C40
EVSCTL2020K0216	C40
EVSCTL2020K0316C	C40
EVSCTL2020K0326C	C40
EVSCTL2020K0416C	C40
EVSCTL2020K0426C	C40
EVSCTL2525M0216	C40
EVSCTL2525M0226	C40
EVSCTL2525M0316C	C40
EVSCTL2525M0326C	C40
EVSCTL2525M0426C	C40
EVSCTL2525M0432C	C40
EVSCTL2525M0526C	C40
EVSCTL2525M0532C	C40
EVSCTL3232P0432C	C40
EVSCTL3232P0540C	C40
EVSCTR1212K0216	C39
EVSCTR1212K0316C	C39
EVSCTR1212K1B16	C39
EVSCTR1212K1F16	C39
EVSCTR1616K0216	C39
EVSCTR1616K0316C	C39
EVSCTR1616K0416C	C39
EVSCTR2020K0216	C39
EVSCTR2020K0316C	C39
EVSCTR2020K0326C	C39
EVSCTR2020K0416C	C39
EVSCTR2020K0426C	C39
EVSCTR2525M0216	C39
EVSCTR2525M0226	C39
EVSCTR2525M0316C	C39
EVSCTR2525M0326C	C39
EVSCTR2525M0426C	C39
EVSCTR2525M0432C	C39
EVSCTR2525M0526C	C39
EVSCTR2525M0532C	C39
EVSCTR3232P0432C	C39
EVSCTR3232P0540C	C39
EVSML2020K0216	C37
EVSML2020K0222	C37
EVSML2020K0316C	C37
EVSML2020K0322C	C37
EVSML2020K0416C	C37
EVSML2020K0422C	C37
EVSML2020K0516C	C37
EVSML2020K0522C	C37
EVSML2020K0616C	C37
EVSML2020K0622C	C37
EVSML2525M0216	C37
EVSML2525M0216C	C37
EVSML2525M0226	C37
EVSML2525M0316C	C37
EVSML2525M0326C	C37
EVSML2525M0416C	C37
EVSML2525M0426C	C37
EVSML2525M0516C	C37
EVSML2525M0526C	C37
EVSML2525M0616C	C37
EVSML2525M0626C	C37
EVSML2525M0826C	C38
EVSML3232P0426C	C37
EVSML3232P0432C	C37
EVSML3232P0526C	C37
EVSML3232P0532C	C37
EVSML3232P0626C	C38
EVSML3232P0632C	C38
EVSML3232P0826C	C38
EVSML3232P0832C	C38
EVSML3232P1032C	C38
EVSML4040R0640C	C38
EVSML4040R0840C	C38
EVSML4040R1040C	C38
EVSMR2020K0216	C36
EVSMR2020K0216C	C36
EVSMR2020K0222	C36
EVSMR2020K0222C	C36
EVSMR2020K0316C	C36
EVSMR2020K0322C	C36
EVSMR2020K0416C	C36
EVSMR2020K0422C	C36
EVSMR2020K0516C	C36
EVSMR2020K0522C	C36
EVSMR2020K0616C	C37
EVSMR2020K0622C	C37
EVSMR2525M0216	C36
EVSMR2525M0216C	C36
EVSMR2525M0226	C36
EVSMR2525M0226C	C36
EVSMR2525M0316C	C36
EVSMR2525M0326C	C36
EVSMR2525M0416C	C36
EVSMR2525M0426C	C36
EVSMR2525M0516C	C36
EVSMR2525M0526C	C36
EVSMR2525M0616C	C37
EVSMR2525M0626C	C37
EVSMR2525M0826C	C37
EVSMR3232P0426C	C36
EVSMR3232P0432C	C36
EVSMR3232P0526C	C36
EVSMR3232P0532C	C37
EVSMR3232P0626C	C37
EVSMR3232P0632C	C37
EVSMR3232P0826C	C37
EVSMR3232P0832C	C37
EVSMR3232P1032C	C37
EVSMR4040R0640C	C37
EVSMR4040R0840C	C37
EVSMR4040R1040C	C37
F10AJ1600ADK45E320 KCPM15	P104
F10AJ2000ADK45E400 KCPM15	P104
F1AA0200AWS30 K600	P118
F1AA0300AWS30 K600	P118
F1AA0400AWS30 K600	P118
F1AA0500AWS30 K600	P118
F1AA0600AWS30 K600	P118
F1AA0800AWM30 K600	P118
F1AA1000AWM30 K600	P118
F1AA1200AWM30 K600	P118
F2AA0400ADL45 K600	P119
F2AA0500ADL45 K600	P119
F2AA0600ADL45 K600	P119

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
F2AA0600AWM45R050 K600	P120
F2AA0600AWM45R100 K600	P120
F2AA0800ADL45 K600	P119
F2AA0800AWM45R050 K600	P120
F2AA0800AWM45R100 K600	P120
F2AA1000ADL45 K600	P119
F2AA1000AWL45R050 K600	P120
F2AA1000AWL45R100 K600	P120
F2AA1000AWL45R200 K600	P120
F2AA1000AWL45R300 K600	P120
F2AA1000AWL45R400 K600	P120
F2AA1200ADL45 K600	P119
F2AA1200AWL45R050 K600	P120
F2AA1200AWL45R100 K600	P120
F2AA1200AWL45R200 K600	P120
F2AA1200AWL45R250 K600	P120
F2AA1200AWL45R300 K600	P120
F2AA1200AWL45R400 K600	P120
F2AA1400ADL45 K600	P119
F2AA1600ADL45 K600	P119
F2AA1600AWX45R050 K600	P120
F2AA1600AWX45R100 K600	P120
F2AA1600AWX45R200 K600	P120
F2AA1600AWX45R250 K600	P120
F2AA1600AWX45R300 K600	P120
F2AA1600AWX45R400 K600	P120
F2AA1800ADL45 K600	P119
F2AA2000ADL45 K600	P119
F2AA2000AWX45R050 K600	P120
F2AA2000AWX45R100 K600	P120
F2AA2000AWX45R200 K600	P120
F2AA2000AWX45R300 K600	P120
F2AA2000AWX45R400 K600	P120
F2AA2500AWX45R050 K600	P120
F2AA2500AWX45R100 K600	P120
F2AA2500AWX45R200 K600	P120
F2AA2500AWX45R300 K600	P120
F2AA2500AWX45R400 K600	P120
F2AB0200AWM30 KC637M	P150
F2AB0300AWM30 KC637M	P150
F2AB0400AWL30 KC637M	P150
F2AB0500AWL30 KC637M	P150
F2AB0600AWL30 KC637M	P150
F2AB1000AWL30 KC637M	P150
F2AB1200AWX30 KC637M	P150
F2AH0030AWS30L040 KC637M	P162–163
F2AH0050AWS30L070 KC637M	P162–163
F2AH0080AWM30L120 KC637M	P162–163
F2AH0100AWM30L150 KC637M	P162–163
F2AH0100AWS30L150 KC637M	P162–163
F2AH0150AWM30L230 KC637M	P162–163
F2AH0150AWS30L230 KC637M	P162–163
F2AH0160AWM30L240 KC637M	P162–163
F2AH0160AWS30L240 KC637M	P162–163
F2AH0180AWM30L270 KC637M	P162–163
F2AH0180AWS30L270 KC637M	P162–163
F2AH0200AWM30L300 KC637M	P162–163
F2AH0200AWS30L300 KC637M	P162–163
F2AH0250AWM30L370 KC637M	P162–163
F2AH0250AWS30L370 KC637M	P162–163
F2AL0050AWS30 KC637M	P165
F2AL0050AWS30L050 KC637M	P166
F2AL0060AWS30L060 KC637M	P166
F2AL0080AWS30L080 KC637M	P166
F2AL0100AWL30 KC637M	P148
F2AL0100AWM30E060 KC637M	P167
F2AL0100AWM30E100 KC637M	P167
F2AL0100AWM30E160 KC637M	P167
F2AL0100AWS30 KC637M	P165
F2AL0100AWS30L100 KC637M	P166
F2AL0120AWS30L120 KC637M	P166
F2AL0150AWL30 KC637M	P148
F2AL0150AWM30E160 KC637M	P167
F2AL0150AWS30 KC637M	P165
F2AL0150AWS30L150 KC637M	P166
F2AL0160AWS30L160 KC637M	P166
F2AL0180AWS30L180 KC637M	P166
F2AL0200AWL30 KC637M	P148
F2AL0200AWM20 KC637M	P147
F2AL0200AWM30E0200 KC637M	P167
F2AL0200AWM30E100 KC637M	P167
F2AL0200AWM30E160 KC637M	P167
F2AL0200AWS30 KC637M	P165
F2AL0200AWS30L200 KC637M	P166
F2AL0250AWS30 KC637M	P165
F2AL0250AWS30L250 KC637M	P166
F2AL0300AWL30 KC637M	P148
F2AL0300AWM20 KC637M	P147
F2AL0300AWS30 KC637M	P165
F2AL0300AWS30L300 KC637M	P166
F2AL0400AWL20 KC637M	P147
F2AL0400AWL30 KC637M	P148
F2AL0400AWM30E060 KC637M	P167
F2AL0400AWM30E160 KC637M	P167
F2AL0400AWS30L400 KC637M	P166
F2AL0500AWL20 KC637M	P147
F2AL0500AWL30 KC637M	P148
F2AL0600AWL20 KC637M	P147
F2AL0600AWL30 KC637M	P148
F2AL0600AWM30 KC637M	P149
F2AL0600AWS30L600 KC637M	P166
F2AL0800AWL20 KC637M	P147
F2AL0800AWL30 KC637M	P148
F2AL0800AWM30 KC637M	P149
F2AL1000AWL20 KC637M	P147
F2AL1000AWL30 KC637M	P149
F2AL1000AWM30 KC637M	P148
F2AL1200AWM30 KC637M	P148
F2AL1200AWX20 KC637M	P147
F2AL1200AWX30 KC637M	P149
F2AL1600AWM30 KC637M	P148
F2AL1600AWX30 KC637M	P149
F2AT0200AWM20R003 KC637M	P142
F2AT0200AWM20R005 KC637M	P142
F2AT0300AWM20R005 KC637M	P142
F2AT0300AWM20R010 KC637M	P142
F2AT0400AWL20R005 KC637M	P142
F2AT0400AWL20R010 KC637M	P142
F2AT0500AWL20R005 KC637M	P142
F2AT0500AWL20R010 KC637M	P142
F2AT0600AWL20R005 KC637M	P142
F2AT0600AWL20R010 KC637M	P142
F2AT0800AWL20R010 KC637M	P142
F2AT0800AWL20R020 KC637M	P142
F2AT1000AWL20R010 KC637M	P142
F2AT1000AWL20R020 KC637M	P142
F2AT1000AWL20R030 KC637M	P142
F2AT1200AWX20R005 KC637M	P142
F2AT1200AWX20R010 KC637M	P142
F2AT1200AWX20R030 KC637M	P142
F2AU0180ADK38 KC643M	P186
F2AU0280ADK38 KC643M	P186
F2AU0380ADK38 KC643M	P186
F2AU0480ADK38 KC643M	P186
F2AU0575ADK38 KC643M	P186
F2AU0775ADK38 KC643M	P186
F2AU0970ADK38 KC643M	P186
F2AU1170ADK38 KC643M	P186
F2AU1370ADK38 KC643M	P186
F2AU1570ADK38 KC643M	P186
F2AU1770ADK38 KC643M	P186
F2AU1970ADK38 KC643M	P186
F3508T S	T115, V9–11
F3510T S	V9–12
F3AA0300AWS45 K600	P121
F3AA0400AWS45 K600	P121
F3AA0500AWS45 K600	P121
F3AA0600AWM45R050 K600	P122
F3AA0600AWM45R100 K600	P122
F3AA0600AWS45 K600	P121
F3AA0800AWM45 K600	P121
F3AA0800AWM45R050 K600	P122
F3AA0800AWM45R100 K600	P122
F3AA1000AWL45 K600	P121
F3AA1000AWL45R050 K600	P122
F3AA1000AWL45R100 K600	P122
F3AA1000AWL45R200 K600	P122
F3AA1000AWL45R300 K600	P122
F3AA1000AWL45R400 K600	P122
F3AA1200AWL45 K600	P121
F3AA1200AWL45R050 K600	P122
F3AA1200AWL45R100 K600	P122
F3AA1200AWL45R200 K600	P122
F3AA1200AWL45R300 K600	P122
F3AA1200AWL45R400 K600	P122
F3AA1400AWL45 K600	P121
F3AA1600AWL45 K600	P121
F3AA1600AWX45R050 K600	P122
F3AA1600AWX45R100 K600	P122
F3AA1600AWX45R200 K600	P122
F3AA1600AWX45R300 K600	P122
F3AA1600AWX45R400 K600	P122
F3AA1800AWL45 K600	P121
F3AA2000AWX45 K600	P121
F3AA2000AWX45R050 K600	P122
F3AA2000AWX45R100 K600	P122
F3AA2000AWX45R200 K600	P122
F3AA2000AWX45R300 K600	P122
F3AA2000AWX45R400 K600	P122
F3AA2500AWX45R050 K600	P122
F3AA2500AWX45R100 K600	P122
F3AA2500AWX45R200 K600	P122
F3AA2500AWX45R300 K600	P122
F3AA2500AWX45R400 K600	P122
F3AH0050AWS30 KC635M	P164
F3AH0060AWS30 KC635M	P164
F3AH0080AWS30 KC635M	P164
F3AH0100AWS30 KC635M	P164
F3AH0120AWS30 KC635M	P164
F3AH0150AWS30 KC635M	P164
F3AH0200AWS30 KC635M	P164
F3AH0250AWS30 KC635M	P164
F3AH0300AWS30 KC635M	P164
F3AS0300BDK35 KCPM15	P102
F3AS0400BDK35 KCPM15	P102
F3AS0500BDK35 KCPM15	P102
F3AS0600BDK35 KCPM15	P102
F3AS0800BDK35 KCPM15	P102
F3AS1000BDK35 KCPM15	P102
F3AS1200BDK35 KCPM15	P102
F3AS1400BDK35 KCPM15	P102
F3AS1600BDK35 KCPM15	P102
F3AS2000BDK35 KCPM15	P102
F3AU0280ADK38 KC643M	P187
F3AU0380ADK38 KC643M	P187
F3AU0480ADK38 KC643M	P187
F3AU0575ADK38 KC643M	P187
F3AU0775ADK38 KC643M	P187
F3AU0970ADK38 KC643M	P187
F3AU1170ADK38 KC643M	P187
F3AU1370ADK38 KC643M	P187
F3AU1570ADK38 KC643M	P187
F3AU1770ADK38 KC643M	P187
F3AU1970ADK38 KC643M	P187
F3AW0600AWL35E120 KCPM15	P103
F3AW0800AWL35E160 KCPM15	P103
F3AW1000AWX35E200 KCPM15	P103
F3AW1200AWX35E240 KCPM15	P103
F3AW1600AWX35E320 KCPM15	P103
F3BA0600ADL40E180 K600	P125
F3BA0600BWS40 K600	P123
F3BA0800ADL40E240 K600	P125
F3BA0800BWM40 K600	P123
F3BA0800BWM40C160 K600	P124
F3BA1000ADL40E300 K600	P125
F3BA1000BWM40 K600	P123
F3BA1000BWM40C220 K600	P124
F3BA1200ADL40E360 K600	P125
F3BA1200BWL40 K600	P123
F3BA1200BWL40C260 K600	P124
F3BA1600ADL40E480 K600	P125
F3BA1600BWL40 K600	P123
F3BA1600BWL40C320 K600	P124
F3BA2000ADL40E600 K600	P125
F3BA2000BWX40 K600	P123
F3BA2000BWX40C380 K600	P124
F3BA2500BWX40 K600	P123
F3BA2500BWX40C450 K600	P124
F3BH0400BDL30 KCPM15	P81
F3BH0400BWS20L110 KCPM15	P78
F3BH0500BDL30 KCPM15	P81
F3BH0500BWS20L130 KCPM15	P78
F3BH0600BDL30 KCPM15	P81
F3BH0600BWS20L080 KCPM15	P78
F3BH0600BWS20L130 KCPM15	P78
F3BH0800BDL30 KCPM15	P81
F3BH0800BWM20C160 KCPM15	P79
F3BH0800BWM20L160 KCPM15	P78
F3BH0800BWS20C110 KCPM15	P79
F3BH0800BWS20L110 KCPM15	P78
F3BH1000BDL30 KCPM15	P81
F3BH1200BDL30 KCPM15	P81
F3BH1600BDL30 KCPM15	P81
F3BH2000BDL30 KCPM15	P81
F3BH2500BDL30 KCPM15	P81
F3BS0600BDK35 KCPM15	P82
F3BS0600BDL35 KCPM15	P82
F3BS0800BDK35 KCPM15	P82
F3BS0800BDL35 KCPM15	P82
F3BS1000BDK35 KCPM15	P82
F3BS1000BDL35 KCPM15	P82
F3BS1200BDK35 KCPM15	P82
F3BS1200BDL35 KCPM15	P82
F3BS1400BDL35 KCPM15	P82
F3BS1600BDK35 KCPM15	P82
F3BS1600BDL35 KCPM15	P82
F3BS2000BDK35 KCPM15	P82
F3BS2000BDL35 KCPM15	P82
F4011T S	T118
F4AJ0600AWS50L090 KC633M	P145
F4AJ0600AWS50R025 KC633M	P144
F4AJ0600AWS50R050 KC633M	P144
F4AJ0800AWM50L120 KC633M	P145
F4AJ0800AWM50R050 KC633M	P144
F4AJ0800AWM50R100 KC633M	P144
F4AJ1000AWL50R050 KC633M	P144
F4AJ1000AWL50R100 KC633M	P144
F4AJ1000AWM50L150 KC633M	P145
F4AJ1200AWL50R050 KC633M	P144
F4AJ1200AWL50R150 KC633M	P144
F4AJ1600AWL50L240 KC633M	P145
F4AJ1600AWL50R050 KC633M	P144
F4AJ1600AWL50R150 KC633M	P144
F4AJ2000AWL50L300 KC633M	P145
F4AJ2000AWX50R050 KC633M	P144
F4AJ2000AWX50R200 KC633M	P144
F4AL0300AWL30L040 KC637M	P151
F4AL0300AWM30L040 KC637M	P151
F4AL0400AWL30L050 KC637M	P151
F4AL0400AWM30L050 KC637M	P151
F4AL0500AWL30L060 KC637M	P151
F4AL0500AWM30L060 KC637M	P151
F4AL0600AWL30L080 KC637M	P151
F4AL0600AWM30L080 KC637M	P151
F4AL0800AWL30L120 KC637M	P151
F4AL0800AWX30L120 KC637M	P151
F4AL1000AWL30L150 KC637M	P151
F4AL1000AWX30L150 KC637M	P151
F4AS0400ADL38 KCPM15	P16
F4AS0400BDL38 KCPM15	P16
F4AS0500ADL38 KCPM15	P16
F4AS0500BDL38 KCPM15	P16
F4AS0600ADL38 KCPM15	P16
F4AS0600AWM38R050 KCPM15	P18
F4AS0600AWM38R100 KCPM15	P18
F4AS0600BDL38 KCPM15	P16
F4AS0600BWM38R050 KCPM15	P18
F4AS0600BWM38R100 KCPM15	P18
F4AS0800ADL38 KCPM15	P16
F4AS0800AWM38R050 KCPM15	P18
F4AS0800AWM38R100 KCPM15	P18
F4AS0800BDL38 KCPM15	P16
F4AS0800BWM38R050 KCPM15	P18
F4AS0800BWM38R100 KCPM15	P18
F4AS1000ADL38 KCPM15	P16
F4AS1000AWL38R050 KCPM15	P18
F4AS1000AWL38R100 KCPM15	P18
F4AS1000AWL38R200 KCPM15	P18
F4AS1000AWL38R300 KCPM15	P18
F4AS1000AWL38R400 KCPM15	P18
F4AS1000BDL38 KCPM15	P16
F4AS1000BWL38R050 KCPM15	P18
F4AS1000BWL38R100 KCPM15	P18
F4AS1000BWL38R200 KCPM15	P18
F4AS1000BWL38R300 KCPM15	P18
F4AS1000BWL38R400 KCPM15	P18
F4AS1200ADL38 KCPM15	P16
F4AS1200AWL38R050 KCPM15	P18

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
F4AS1200AWL38R100 KCPM15	P18
F4AS1200AWL38R200 KCPM15	P18
F4AS1200AWL38R300 KCPM15	P18
F4AS1200AWL38R400 KCPM15	P18
F4AS1200BDL38 KCPM15	P16
F4AS1200BWL38R050 KCPM15	P18
F4AS1200BWL38R100 KCPM15	P18
F4AS1200BWL38R200 KCPM15	P18
F4AS1200BWL38R300 KCPM15	P18
F4AS1200BWL38R400 KCPM15	P18
F4AS1400ADL38 KCPM15	P16
F4AS1400BDL38 KCPM15	P16
F4AS1600ADL38 KCPM15	P16
F4AS1600AWX38R050 KCPM15	P18
F4AS1600AWX38R100 KCPM15	P18
F4AS1600AWX38R200 KCPM15	P18
F4AS1600AWX38R300 KCPM15	P18
F4AS1600AWX38R400 KCPM15	P18
F4AS1600AWX38R600 KCPM15	P18
F4AS1600BDL38 KCPM15	P16
F4AS1600BWX38R050 KCPM15	P18
F4AS1600BWX38R100 KCPM15	P18
F4AS1600BWX38R200 KCPM15	P18
F4AS1600BWX38R300 KCPM15	P18
F4AS1600BWX38R400 KCPM15	P18
F4AS1600BWX38R600 KCPM15	P18
F4AS1800ADL38 KCPM15	P16
F4AS1800BDL38 KCPM15	P16
F4AS2000ADL38 KCPM15	P16
F4AS2000AWX38R050 KCPM15	P18
F4AS2000AWX38R100 KCPM15	P18
F4AS2000AWX38R200 KCPM15	P18
F4AS2000AWX38R300 KCPM15	P18
F4AS2000AWX38R400 KCPM15	P18
F4AS2000AWX38R600 KCPM15	P18
F4AS2000BDL38 KCPM15	P16
F4AS2000BWX38R050 KCPM15	P18
F4AS2000BWX38R100 KCPM15	P18
F4AS2000BWX38R200 KCPM15	P18
F4AS2000BWX38R300 KCPM15	P18
F4AS2000BWX38R400 KCPM15	P18
F4AS2000BWX38R600 KCPM15	P18
F4AS2500ADL38 KCPM15	P16
F4AS2500AWX38R050 KCPM15	P18
F4AS2500AWX38R100 KCPM15	P18
F4AS2500AWX38R200 KCPM15	P18
F4AS2500AWX38R400 KCPM15	P18
F4AS2500AWX38R600 KCPM15	P18
F4AS2500BDL38 KCPM15	P16
F4AS2500BWX38R050 KCPM15	P18
F4AS2500BWX38R200 KCPM15	P18
F4AS2500BWX38R300 KCPM15	P18
F4AS2500BWX38R400 KCPM15	P18
F4AS2500BWX38R600 KCPM15	P18
F4AT0400AWS20R005 KC637M	P143
F4AT0400AWS20R010 KC637M	P143
F4AT0500AWS20R005 KC637M	P143
F4AT0500AWS20R010 KC637M	P143
F4AT0600AWL20R005 KC637M	P143
F4AT0600AWL20R010 KC637M	P143
F4AT0600AWS20R005 KC637M	P143
F4AT0800AWL20R005 KC637M	P143
F4AT0800AWL20R010 KC637M	P143
F4AT0800AWL20R020 KC637M	P143
F4AT0800AWM20R010 KC637M	P143
F4AT0800AWM20R020 KC637M	P143
F4AT1000AWL20R005 KC637M	P143
F4AT1000AWL20R010 KC637M	P143
F4AT1000AWL20R020 KC637M	P143
F4AT1000AWL20R025 KC637M	P143
F4AT1000AWM20R005 KC637M	P143
F4AT1000AWM20R025 KC637M	P143
F4AT1200AWL20R015 KC637M	P143
F4AT1200AWL20R030 KC637M	P143
F4AT1200AWX20R010 KC637M	P143
F4AT1200AWX20R015 KC637M	P143
F4AT1200AWX20R030 KC637M	P143
F4AW0400AWL38W040 KC633M	P22
F4AW0400AWL38W060 KC633M	P22
F4AW0500AWL38W040 KC633M	P22
F4AW0500AWL38W060 KC633M	P22
F4AW0600AWL38E120 KCPM15	P21
F4AW0600AWL38W040 KC633M	P22
F4AW0600AWL38W060 KC633M	P22
F4AW0800AWL38E160 KCPM15	P21
F4AW0800AWL38W040 KC633M	P22
F4AW0800AWL38W060 KC633M	P22
F4AW1000AWX38E200 KCPM15	P21
F4AW1000AWX38W040 KC633M	P22
F4AW1000AWX38W060 KC633M	P22
F4AW1200AWX38E240 KCPM15	P21
F4AW1600AWX38E320 KCPM15	P21
F4BJ0600BDL30 KCPM15	P83
F4BJ0600BDL45 KCPM15	P84
F4BJ0800BDL30 KCPM15	P83
F4BJ0800BDL45 KCPM15	P84
F4BJ1000BDL30 KCPM15	P83
F4BJ1000BDL45 KCPM15	P84
F4BJ1000BWM20C130 KCPM15	P79
F4BJ1000BWM20C220 KCPM15	P79
F4BJ1000BWM20L130 KCPM15	P78
F4BJ1000BWM20L220 KCPM15	P78
F4BJ1200BDL30 KCPM15	P83
F4BJ1200BDL45 KCPM15	P84
F4BJ1200BWL20C260 KCPM15	P79
F4BJ1200BWL20L260 KCPM15	P78
F4BJ1200BWM20C160 KCPM15	P79
F4BJ1200BWM20L160 KCPM15	P78
F4BJ1400BDL30 KCPM15	P83
F4BJ1400BWL20L260 KCPM15	P78
F4BJ1600BDL30 KCPM15	P83
F4BJ1600BWL20C190 KCPM15	P79
F4BJ1600BWL20C320 KCPM15	P79
F4BJ1600BWL20L190 KCPM15	P78
F4BJ1600BWL20L320 KCPM15	P78
F4BJ1800BDL30 KCPM15	P83
F4BJ2000BDL30 KCPM15	P83
F4BJ2000BWL20C220 KCPM15	P79
F4BJ2000BWL20L220 KCPM15	P78
F4BJ2000BWX20C380 KCPM15	P79
F4BJ2000BWX20L380 KCPM15	P78
F4BS0600AWM38R050 KCPM15	P19
F4BS0600AWM38R100 KCPM15	P19
F4BS0600BWM38R050 KCPM15	P19
F4BS0600BWM38R100 KCPM15	P19
F4BS0800AWM38R050 KCPM15	P19
F4BS0800AWM38R100 KCPM15	P19
F4BS0800BWM38R050 KCPM15	P19
F4BS0800BWM38R100 KCPM15	P19
F4BS1000AWL38R050 KCPM15	P19
F4BS1000AWL38R100 KCPM15	P19
F4BS1000AWL38R200 KCPM15	P19
F4BS1000AWL38R300 KCPM15	P19
F4BS1000AWL38R400 KCPM15	P19
F4BS1000BWL38R050 KCPM15	P19
F4BS1000BWL38R100 KCPM15	P19
F4BS1000BWL38R200 KCPM15	P19
F4BS1000BWL38R300 KCPM15	P19
F4BS1000BWL38R400 KCPM15	P19
F4BS1200AWL38R050 KCPM15	P19
F4BS1200AWL38R100 KCPM15	P19
F4BS1200AWL38R200 KCPM15	P19
F4BS1200AWL38R300 KCPM15	P19
F4BS1200AWL38R400 KCPM15	P19
F4BS1200BWL38R050 KCPM15	P19
F4BS1200BWL38R100 KCPM15	P19
F4BS1200BWL38R200 KCPM15	P19
F4BS1200BWL38R300 KCPM15	P19
F4BS1200BWL38R400 KCPM15	P19
F4BS1600AWX38R050 KCPM15	P19
F4BS1600AWX38R100 KCPM15	P19
F4BS1600AWX38R200 KCPM15	P19
F4BS1600AWX38R300 KCPM15	P19
F4BS1600AWX38R400 KCPM15	P19
F4BS1600BWX38R050 KCPM15	P19
F4BS1600BWX38R100 KCPM15	P19
F4BS1600BWX38R200 KCPM15	P19
F4BS1600BWX38R300 KCPM15	P19
F4BS1600BWX38R400 KCPM15	P19
F4BS2000AWX38R050 KCPM15	P19
F4BS2000AWX38R100 KCPM15	P19
F4BS2000AWX38R200 KCPM15	P19
F4BS2000AWX38R300 KCPM15	P19
F4BS2000AWX38R400 KCPM15	P19
F4BS2000BWX38R050 KCPM15	P19
F4BS2000BWX38R100 KCPM15	P19
F4BS2000BWX38R200 KCPM15	P19
F4BS2000BWX38R300 KCPM15	P19
F4BS2000BWX38R400 KCPM15	P19
F4BS2500AWX38R050 KCPM15	P19
F4BS2500AWX38R100 KCPM15	P19
F4BS2500AWX38R200 KCPM15	P19
F4BS2500AWX38R300 KCPM15	P19
F4BS2500AWX38R400 KCPM15	P19
F4BS2500BWX38R050 KCPM15	P19
F4BS2500BWX38R100 KCPM15	P19
F4BS2500BWX38R200 KCPM15	P19
F4BS2500BWX38R300 KCPM15	P19
F4BS2500BWX38R400 KCPM15	P19
F5AJ2500AWX50L380 KC633M	P145
F5BJ2500BWX20L450 KCPM15	P78
F6AJ0600ADL45 KCPM15	P105
F6AJ0600AWM45 KCPM15	P105
F6AJ0800ADL45 KCPM15	P105
F6AJ0800AWM45 KCPM15	P105
F6AJ1000ADL45 KCPM15	P105
F6AJ1000AWL45 KCPM15	P105
F6AJ1200ADL45 KCPM15	P105
F6AJ1200AWL45 KCPM15	P105
F6AJ1400ADL45 KCPM15	P105
F6AJ1600ADL45 KCPM15	P105
F6AJ1600AWX45 KCPM15	P105
F6AV0600ADL45 KC637M	P146
F6AV0600AWM45 KC637M	P146
F6AV0800ADL45 KC637M	P146
F6AV0800AWM45 KC637M	P146
F6AV1000ADL45 KC637M	P146
F6AV1000AWL45 KC637M	P146
F6AV1200ADL45 KC637M	P146
F6AV1200AWL45 KC637M	P146
F6AV1600ADL45 KC637M	P146
F6AV1600AWX45 KC637M	P146
F6BJ1600BDL45 KCPM15	P84
F6BJ2000BDL45 KCPM15	P84
F6BJ2500BDL45 KCPM15	P84
F7IP	T29, T38
F8017S S	V102
F8AJ0800ADK45E160 KCPM15	P104
F8AJ1000ADK45E200 KCPM15	P104
F8AJ1200ADK45E240 KCPM15	P104
F8AJ2000AWX45 KCPM15	P105
F8AJ2500AWX45 KCPM15	P105
F8AV2000ADL45 KC637M	P146
F8AV2000AWX45 KC637M	P146
F8AV2500ADL45 KC637M	P146
F8AV2500AWX45 KC637M	P146
FAS100302GD KC7015	H33
FAS100302GD KC7215	H33
FBSCFCL09CA06F	K111
FBSCFCR09CA06F	K111
FBSCLCL09CA06F	K111
FBSCLCR09CA06F	K111
FBSCUCR09CA06F	K112
FBSTFCR09CA11F	K113
FC11	B250–251
FC14	B250–252
FMDF1000X6CQE KCPM15	042
FMDF1200X6CQF KCPM15	042
FMDF1600X6CQF KCPM15	042
FMDF2000X6CQF KCPM15	042
FMDF2500X6CQF KCPM15	042
FP2506T	V4–5
FP2507T	V4–5
FP3006T	V101, V104
FP3007T S	V101, V103–104
FSDE0600A7DYA KC643M	P94
FSDE0600A7DYE KC643M	P94
FSDE0800A7DYA KC643M	P94
FSDE0800A7DYE KC643M	P94
FSDE1000A9BCE KC643M	P92
FSDE1000A9BCG KC643M	P92
FSDE1000A9DYE KC643M	P94
FSDE1000A9DYG KC643M	P94
FSDE1000X9CQE KC643M	043
FSDE1000X9CQG KC643M	043
FSDE1000X9CQJ KC643M	043
FSDE1200A9BCE KC643M	P92
FSDE1200A9BCG KC643M	P92
FSDE1200A9BCL KC643M	P92
FSDE1200A9BCN KC643M	P92
FSDE1200E9DYE KC643M	P94
FSDE1200E9DYG KC643M	P94
FSDE1200E9DYL KC643M	P94
FSDE1200X9CQE KC643M	043
FSDE1200X9CQG KC643M	043
FSDE1200X9CQJ KC643M	043
FSDE1200X9CQL KC643M	043
FSDE1600ABBCG KC643M	P92
FSDE1600ABBCL KC643M	P92
FSDE1600ABBCM KC643M	P92
FSDE1600ABBCN KC643M	P92
FSDE1600ABBCP KC643M	P92
FSDE1600EBDYG KC643M	P94
FSDE1600EBDYL KC643M	P94
FSDE1600EBDYM KC643M	P94
FSDE1600EBDYP KC643M	P94
FSDE1600XBCQG KC643M	043
FSDE1600XBCQJ KC643M	043
FSDE1600XBCQK KC643M	043
FSDE1600XBCQL KC643M	043
FSDE1600XBCQM KC643M	043
FSDE2000AFBCG KC643M	P92
FSDE2000AFBCK KC643M	P92
FSDE2000AFBCL KC643M	P92
FSDE2000AFBCN KC643M	P92
FSDE2000AFBCP KC643M	P92
FSDE2000EFDYG KC643M	P94
FSDE2000EFDYK KC643M	P94
FSDE2000EFDYL KC643M	P94
FSDE2000EFDYP KC643M	P94
FSDE2000XFCQG KC643M	043
FSDE2000XFCQK KC643M	043
FSDE2000XFCQL KC643M	043
FSDE2000XFCQM KC643M	043
FSDE2000XFCQN KC643M	043
FSDE2500AJBCG KC643M	P92
FSDE2500AJBCL KC643M	P92
FSDE2500AJBCP KC643M	P92
FSDE2500EJDYG KC643M	P94
FSDE2500EJDYL KC643M	P94
FSDE2500EJDYP KC643M	P94
FSDE2500XJCQL KC643M	043
FSDE2500XJCQN KC643M	043
FT10	K38
FT15	K81, K120–121
FT20	K120–121
FT5	K74
FT6	K75, T24
FT7	K74–76, K81, K85, K120–121
FT8	K38, K81
FUWTCL	E57
FUWTCR	E57
G14-G18-RED	C75
G18-JIC	C75
G50MTTB1026KM40	B387
G80MTTB1564KM63	B387
GPCD050102 KC5025	B222
GPCD050102 KCU25	B222
GPCD050104 KCU25	B222
H16LSER3	D82
H20LSER3	D82
H24LSER3	D82
H24LSER4	D82
H25SDUCL11	B213
H25SDUCR11	B213
H32LSER3	D82
H32LSER4	D82
H32LSER5	D82
H32MCLNR12	B68
H32PCLNR12	B69
H32PDUNR15	B91
H32SCLCR09	B183
H32SDUCL11	B213
H32SDUCR11	B213
H40LSER22	D82
H40LSER5	D82
H40MDUNR15	B91
H40MVUNR16	B153

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
H40PCLNL12	B69
H40PCLNR12	B69
H40SCLCR12	B183
H40SDUCR11	B213
H50LSER16	D82
H50LSER22	D82
H50LSER27	D82
H50MCLNR12	B68
H50MCLNR19	B68
H50MDUNL19	B91
H50MVUNR16	B153
H50PCLNL12	B69
H50PCLNR12	B69
H50PDUNL15	B91
H50PDUNR15	B91
H50SDUCL11	B213
H50SDUCR11	B213
HDHN070408ER KC514M	S112
HDHN070408SR KBK50	S112
HDHN070408SR KY3500	S112
HDWM5EUS	S126
HFB1023SCFPR06	K126
HFB1223SCFPR06	K126
HFB14FBHS1440	K126
HFB1627SCFPR06	K126
HFB16FBHS1640	K126
HFB19FBHS1840	K126
HFB2127SCFPR06	K126
HFB2427SCFPR06	K126
HFB2727SCFPR06	K126
HFB3127SCFPR06	K126
HFB3427SCFPR06	K126
HNEC0905ANSN KY3500	S24
HNEN090508MSN KY3500	S92, S98
HNEN0905AMSN KY3500	S92, S98
HNEN0905ANSN KD200	S92, S98
HNEN0905XNSN KY3500	S92, S98
HNGF090504MF KC514M	S98
HNGF090504MF KCK15	S98
HNGF090504MF KCK20	S98
HNGJ060432ANENLD KC725M	S6, S12, S15
HNGJ060432ANENLD KCPK30	S6, S12, S15
HNGJ0604ANENLD KC510M	S6, S12, S15
HNGJ0604ANENLD KC520M	S6, S12, S15
HNGJ0604ANENLD KC522M	S6, S12, S15
HNGJ0604ANENLD KC725M	S6, S12, S15
HNGJ0604ANENLD KCK15	S6, S12, S15
HNGJ0604ANENLD KCPK30	S6, S12, S15
HNGJ0604ANENLD KCPM40	S6, S12, S15
HNGJ0604ANENLD KCSM40	S6, S12, S15
HNGJ0604ANFNLDJ K313	S6, S11, S15
HNGJ0604ANFNLDJ KC410M	S6, S11, S15
HNGJ0604ANSNHD KC522M	S7, S12, S16
HNGJ0604ANSNHD KCK15	S7, S12, S16
HNGJ0604ANSNHD KCPK30	S7, S12, S16
HNGJ0604ANSNHD KCPM40	S7, S12, S16
HNGJ0604ANSNHD KCSM40	S7, S12, S16
HNGJ090543ANSNHD KC520M	S19, S23
HNGJ090543ANSNHD KC725M	S19, S23
HNGJ090543ANSNHD KCK15	S19, S23
HNGJ090543ANSNHD KCPK30	S19, S23
HNGJ090543ANSNHD KCPM40	S19, S23
HNGJ090543ANSNHD KCSM40	S19, S23
HNGJ0905ANENLD KC520M	S18, S22
HNGJ0905ANENLD KC522M	S18, S22
HNGJ0905ANENLD KC725M	S18, S22
HNGJ0905ANENLD KCK15	S18, S22
HNGJ0905ANENLD KCPK30	S18, S22
HNGJ0905ANENLD KCSM40	S18, S22
HNGJ0905ANFNLDJ KC410M	S18, S22
HNGJ0905ANSNGD KC725M	S18, S23
HNGJ0905ANSNGD KCK15	S18, S23
HNGJ0905ANSNGD KCPK30	S18, S23
HNGJ0905ANSNGD KCPM40	S18, S23
HNGJ0905ANSNGD KCSM40	S18, S23
HNGJ0905ANSNHD KC520M	S19, S23
HNGJ0905ANSNHD KC725M	S19, S23
HNGJ0905ANSNHD KCK15	S19, S23
HNGJ0905ANSNHD KCPK30	S19, S23
HNGJ0905ANSNHD KCPM40	S19, S23
HNGJ0905ANSNHD KCSM40	S19, S23
HNGJ1307ANENGD KC725M	S26
HNGJ1307ANENGD KCPK30	S26
HNGJ1307ANENGD KCPM40	S26
HNGX090530MCI KCK15	S91, S97
HNHX090516ENLE KC514M	S90, S96
HNHX090516ENLE KCK15	S90, S96
HNHX090516SNGE KC514M	S91, S97
HNHX090516SNGE KCK15	S91, S97
HNHX090516SNGE KCPK30	S91
HNHX090520ENLE KC514M	S90, S96
HNHX090520ENLE KCK15	S90, S96
HNHX090520SNGE KC514M	S91, S97
HNHX090520SNGE KCK15	S91, S97
HNHX090530SNGE KCK15	S91, S97
HNHX0905ANSNGE KC514M	S90, S96
HNHX0905ANSNGE KCK15	S90, S96
HNPJ060432ANSNHD KC522M	S7, S13, S16
HNPJ060432ANSNHD KC725M	S7, S13, S16
HNPJ060432ANSNHD KCK15	S7, S13, S16
HNPJ060432ANSNHD KCPK30	S7, S13, S16
HNPJ060432ANSNHD KCPM40	S7, S13, S16
HNPJ060432ANSNHD KCSM40	S7, S13, S16
HNPJ0604ANSNGD KC520M	S7, S13, S16
HNPJ0604ANSNGD KC522M	S7, S13, S16
HNPJ0604ANSNGD KC725M	S7, S13, S16
HNPJ0604ANSNGD KCK15	S7, S13, S16
HNPJ0604ANSNGD KCPK30	S7, S13, S16
HNPJ0604ANSNGD KCPM40	S7, S13, S16
HNPJ0604ANSNGD KCSM40	S7, S13, S16
HNPJ0604ANSNHD KC520M	S7, S13, S16
HNPJ0604ANSNHD KC522M	S7, S13, S16
HNPJ0604ANSNHD KC725M	S7, S13, S16
HNPJ0604ANSNHD KCK15	S7, S13, S16
HNPJ0604ANSNHD KCPK30	S7, S13, S16
HNPJ0604ANSNHD KCPM40	S7, S13, S16
HNPJ0604ANSNHD KCSM40	S7, S13, S16
HNPJ090543ANSNHD KC522M	S19, S24
HNPJ090543ANSNHD KC725M	S19, S24
HNPJ090543ANSNHD KCK15	S19, S24
HNPJ090543ANSNHD KCPK30	S19, S24
HNPJ090543ANSNHD KCPM40	S19, S24
HNPJ090543ANSNHD KCSM40	S19, S24
HNPJ0905ANSNGD KC520M	S19, S23
HNPJ0905ANSNGD KC522M	S19, S23
HNPJ0905ANSNGD KC725M	S19, S23
HNPJ0905ANSNGD KCK15	S19, S23
HNPJ0905ANSNGD KCPK30	S19, S23
HNPJ0905ANSNGD KCPM40	S19, S23
HNPJ0905ANSNHD KC520M	S19, S24
HNPJ0905ANSNHD KC522M	S19, S24
HNPJ0905ANSNHD KC725M	S19, S24
HNPJ0905ANSNHD KCK15	S19, S24
HNPJ0905ANSNHD KCPK30	S19, S24
HNPJ0905ANSNHD KCPM40	S19, S24
HNPJ0905ANSNHD KCSM40	S19, S24
HNPJ130720ANSNGD KC520M	S26
HNPJ130720ANSNGD KC725M	S26
HNPJ130720ANSNGD KCPK30	S26
HNPJ130720ANSNHD KC725M	S27
HNPJ130720ANSNHD KCPK30	S27
HNPJ130720ANSNHD KCPM40	S27
HNPJ130735ANSNHD KC520M	S27
HNPJ130735ANSNHD KCK15	S27
HNPJ130735ANSNHD KCPK30	S27
HNPJ1307ANSNHD KC725M	S27
HNPJ1307ANSNHD KCK15	S27
HNPJ1307ANSNHD KCPK30	S27
HNPJ1307ANSNHD KCPM40	S27
HNPJ1307ANSNHD KCSM40	S27
HNPX090516SNGE KCK15	S91, S97
HNPX090520SNGE KCK15	S91, S97
HNPX090530SNGE KCK15	S91, S97
HSK100AHTS40085M	J81
HSK100AHTS50090M	J81
HSK100AKR32075M	K87
HSK100AKR50085M	K87
HSK100AKR63100M	K87
HSK100AKR80090M	K87
HSK100ASIF100070M	K46
HSK100ASIF70050M	K46
HSK100ASVUBB2124MCLB	K74
HSK100BT13075	K139
HSK63AAVS00B126MCLB	K79
HSK63AAVS0B143MCLB	K79
HSK63AAVS1B127MCLB	K79
HSK63AAVS2B139MCLB	K79
HSK63AAVS3B139MCLB	K79
HSK63ADL10048M	O52
HSK63ADL12052M	O52
HSK63ADL16057M	O52
HSK63ADL20057M	O52
HSK63ADL25061M	O52
HSK63ADL32072M	O52
HSK63AKR32075M	K87
HSK63AKR50080M	K87
HSK63ASIF70066M	K46
HSK63ASIF80063M	K46
HSK63ASVS4B139M	K80
HSK63ASVS5B139M	K80
HSK63ASVUBB1095MCLB	K72
HSK63ASVUBB2116MCLB	K74
HSK63FBHM1696	K128
HSK63FBHMKIT164M	K123, K127
HSK63FBHO1695	K124
HSK63FBHS24	K133
HSK63FBHS31	K133
HSK63FBHS40	K133
HSK63FBHS51	K133
HSK63FBHS67	K133
HSK63FBHS87	K133
HSK63RBHT24	K118
HSK63RBHT30	K118
HSK63RBHT40	K118
HSK63RBHT50	K118
HSK63RBHT66	K118
HSK63RBHT87	K118
HSK80ASIF70066M	K46
HTSR040R025M	J67
HTSR043R025M	J67
HTSR046R028M	J67
HTSR049R028M	J67
HTSR052R028M	J67
HTSR10CE	J67
HTSR10CI	J67
HTSR11CE	J67
HTSR11CI	J67
HTSR12CE	J67
HTSR12CI	J67
HTSR13CE	J67
HTSR13CI	J67
HTSR14CE	J67
HTSR14CI	J67
HUWTCL	E57
HUWTCR	E57
ICSN332 K9	B59, B62
ICSN432 K9	B61–63, B67–68, B70–72
ICSN433 K9	B58–60, B66
ICSN443 K9	B58–60
ICSN533 K9	B61–63, B66–67, B72
ICSN543 K9	B58–60
ICSN633 K9	B61–63, B67–68, B72
ICSN643 K9	B59–60
IDSN322 K9	B85–86, B89–90
IDSN432 K9	B86, B90–93
IDSN433 K9	B85, B89–90
IDSN533 K9	B91
IRSN43 K9	B95
ISSN332 K9	B109
ISSN432 K9	B109–110, B114–117, B119
ISSN433 K9	B105, B107–108, B110
ISSN443 K9	B105–107
ISSN533 K9	B108–109
ISSN543 K9	B105
ISSN633 K9	B108–110, B114–115, B119
ISSN643 K9	B105
ISSN846 K9	B105–106
ITSN322 K9	B133–134, B137, B139–141
ITSN323 K9	B132, B137
ITSN433 K9	B133–134, B139–141
ITSN443 K9	B132
IVSN322 K9	B149–153
IVSN432 K9	B151–152
IWSN322 K9	B161–162, B164
IWSN433 K9	B161–164
JICM-JICF-ELB	C75
JICM-JICM-STR	C75
KBDM063SD06	S126
KBDM080SD08	S126
KBDM100SD12	S126
KBDM125SD16	S126
KBDM160SD18	S126
KBDM200SD24	S126
KBDM250SD30	S126
KCFM080R08HD07W2	S110
KCFM100R08HD07W2	S110
KCFM125R10HD07W2	S110
KCFM160R12HD07W4	S110
KCFM200R16HD07W4	S110
KCFM250R24HD07W6	S110
KCFMCA45HD07	S111
KCFMCA45SD12C	S111
KCGR110304L08 K68	E29
KCGR110304L08 KC5010	E29
KCGR110304L08 KC5025	E29
KCGR110304L08 KCU10	E29
KCGR110304L08 KCU25	E29
KCGR110304L08 KT315	E29
KCGR110304L08FP KCM25	E29
KCGR110304L08FP KCP10	E29
KCGR110304L08FP KCP25	E29
KCGR110304L08FP KCU25	E29
KCGR110304R08 K68	E29
KCGR110304R08 KC5010	E29
KCGR110304R08 KC5025	E29
KCGR110304R08 KCU10	E29
KCGR110304R08 KCU25	E29
KCGR110304R08 KD1425	E29
KCGR110304R08 KT315	E29
KCGR110304R08FP KCM25	E29
KCGR110304R08FP KCP10	E29
KCGR110304R08FP KCP25	E29
KCGR110308L08 KC5025	E29
KCGR110308L08 KCM15B	E29
KCGR110308L08 KCU10	E29
KCGR110308L08 KCU25	E29
KCGR110308L08 KD1425	E29
KCGR110308L08FP KCP10	E29
KCGR110308L08FP KCP25	E29
KCGR110308R08 KCU10	E29
KCGR110308R08 KCU25	E29
KCGR110308R08 KT315	E29
KCGR110308R08FP KCP10	E29
KCGR110308R08FP KCU10	E29
KCGX110301L15 K313	E31
KCGX110301L15 K68	E31
KCGX110301L15 KC5010	E31
KCGX110301L15 KCU25	E31
KCGX110301L15 KD1425	E31
KCGX110301R15 K313	E31
KCGX110301R15 K68	E31
KCGX110301R15 KC5010	E31
KCGX110301R15 KC5025	E31
KCGX110301R15 KCU10	E31
KCGX110301R15 KD1425	E31
KCGX110302L15 K313	E31
KCGX110302L15 KCU10	E31
KCGX110302L15 KCU25	E31
KCGX110302L15 KD1425	E31
KCGX110302R15 K313	E31
KCGX110302R15 KC5010	E31
KCGX110302R15 KCU10	E31
KCGX110302R15 KCU25	E31
KCGX110302R15 KD1425	E31
KCGX110302R15 KT315	E31
KCGX110304L15 K313	E31
KCGX110304L15 K68	E31
KCGX110304L15 KC5010	E31
KCGX110304L15 KC5025	E31
KCGX110304L15 KCU10	E31
KCGX110304L15 KCU25	E31
KCGX110304L15 KD1425	E31
KCGX110304R15 K313	E31
KCGX110304R15 K68	E31
KCGX110304R15 KC5010	E31
KCGX110304R15 KC5025	E31
KCGX110304R15 KC5410	E31
KCGX110304R15 KCU10	E31

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KCGX110304R15 KCU25	E31
KCGX110304R15 KD1425	E31
KCGX110304R15 KT315	E31
KCGX110308L15 K313	E31
KCGX110308L15 K68	E31
KCGX110308L15 KC5010	E31
KCGX110308L15 KCU25	E31
KCGX110308R15 K68	E31
KCGX110308R15 KC5010	E31
KCGX110308R15 KC5025	E31
KCGX110308R15 KCU10	E31
KCGX110308R15 KT315	E31
KCI1	V153–154
KCI2	V153–154
KCI3M	V153–154
KCRA40Z03A32RN12	V146
KCRA40Z04S22RN12	V147
KCRA50Z04S22RN12	V147
KCRA50Z06S22RN12	V147
KCRA63Z06S22RN12	V147
KCRA63Z09S22RN12	V147
KCRA80Z08S27RN12	V147
KCUX110302L15 K68	E32
KCUX110302L15 KC5010	E32
KCUX110302L15 KCU10	E32
KCUX110302R15 K68	E32
KCUX110302R15 KC5010	E32
KCUX110305L15 K68	E32
KCUX110305L15 KC5010	E32
KCUX110305L15 KCU10	E32
KCUX110305R15 K68	E32
KCUX110305R15 KC5010	E32
KCUX110305R15 KCP25B	E32
KCUX110305R15 KCU10	E32
KDMB06M0ERGN KC505M	V118
KDMB06M0ERGP KC505M	V118
KDMB06M0ERGP KC515M	V118
KDMB06M0ERLD K115M	V118
KDMB06R100A06HN	V114
KDMB06R150A06HN	V114
KDMB06R200A06HN	V114
KDMB06R90A08HN	V115
KDMB08M0ERGN KC505M	V118
KDMB08M0ERGN KC515M	V118
KDMB08M0ERGN KC530M	V118
KDMB08M0ERGP KC505M	V118
KDMB08M0ERGP KC515M	V118
KDMB08M0ERLD K115M	V118
KDMB08R100A08HN	V114
KDMB08R100A10HN	V115
KDMB08R140A08ST	V113
KDMB08R150A08HN	V114
KDMB08R150A10HN	V115
KDMB10M0ERGN KC505M	V118
KDMB10M0ERGN KC515M	V118
KDMB10M0ERGN KC530M	V118
KDMB10M0ERGP KC505M	V118
KDMB10M0ERGP KC515M	V118
KDMB10M0ERLD K115M	V118
KDMB10R100A12HNC	V115
KDMB10R120A10HNC	V114
KDMB10R150A10HNC	V114
KDMB10R150A10ST	V113
KDMB10R150A12HNC	V115
KDMB12M0ERGN KC505M	V118
KDMB12M0ERGN KC515M	V118
KDMB12M0ERGN KC530M	V118
KDMB12M0ERGP KC505M	V118
KDMB12M0ERGP KC515M	V118
KDMB12M0ERHC KC530M	V118
KDMB12M0ERLD K115M	V118
KDMB12R026M08SN	V111
KDMB12R120A12HNC	V114
KDMB12R120A16HNC	V115
KDMB12R130A12SN	V112
KDMB12R150A12SN	V112
KDMB12R150A16HNC	V115
KDMB12R160A12HNC	V114
KDMB12R160A12ST	V113
KDMB16M0ERGN KC505M	V118
KDMB16M0ERGN KC515M	V118
KDMB16M0ERGN KC530M	V118
KDMB16M0ERGP KC505M	V118
KDMB16M0ERGP KC515M	V118
KDMB16M0ERHC KC530M	V118
KDMB16M0ERLD K115M	V118
KDMB16R026M08SN	V111
KDMB16R140A16HNC	V114
KDMB16R140A16SN	V112
KDMB16R140A20HNC	V115
KDMB16R160A16SN	V112
KDMB16R175A16HNC	V114
KDMB16R175A16ST	V113
KDMB16R175A20HNC	V115
KDMB20M0ERGN KC505M	V118
KDMB20M0ERGN KC515M	V118
KDMB20M0ERGN KC530M	V118
KDMB20M0ERGP KC505M	V118
KDMB20M0ERGP KC515M	V118
KDMB20M0ERHC KC530M	V118
KDMB20M0ERLD K115M	V118
KDMB20R030M10SN	V111
KDMB20R140A20HNC	V114
KDMB20R160A20SN	V112
KDMB20R175A20SN	V112
KDMB20R190A20HNC	V114
KDMB20R190A20ST	V113
KDMB25M0ERGN KC505M	V118
KDMB25M0ERGN KC515M	V118
KDMB25M0ERGN KC530M	V118
KDMB25M0ERGP KC505M	V118
KDMB25M0ERGP KC515M	V118
KDMB25M0ERHC KC530M	V118
KDMB25M0ERLD K115M	V118
KDMB25R040M12SN	V111
KDMB25R160A25HNC	V114
KDMB25R160A25SN	V112
KDMB25R190A25SN	V112
KDMB25R210A25HNC	V114
KDMB25R210A25ST	V113
KDMB32M0ERGN KC505M	V118
KDMB32M0ERGN KC515M	V118
KDMB32M0ERGN KC530M	V118
KDMB32M0ERGP KC505M	V118
KDMB32M0ERGP KC515M	V118
KDMB32M0ERHC KC530M	V118
KDMB32M0ERLD K115M	V118
KDMB32R175A32SN	V112
KDMB32R210A32SN	V112
KDMB32R240A32HNC	V114
KDMS0806ERGN KC515M	V131
KDMS1008ERGN KC515M	V131
KDMS1210ERGN KC515M	V131
KDMS1613ERGN KC515M	V131
KDMS2016ERGN KC515M	V131
KDMS3220ERGN KC515M	V131
KDMT0604SRHF KC515M	V133
KDMT0605ERGC KC515M	V132
KDMT0806ERGN KC515M	V132
KDMT0806SRHF KC515M	V133
KDMT0810ERGC KC515M	V132
KDMT1008ERGN KC515M	V132
KDMT1008SRHF K115M	V133
KDMT1008SRHF KC515M	V133
KDMT1010ERGC KC515M	V132
KDMT1010ERHC KC505M	V133
KDMT10R120A10HNC	V130
KDMT10R150A10HNC	V130
KDMT1210ERGC KC515M	V132
KDMT1210ERGN KC515M	V132
KDMT1210ERHC KC505M	V133
KDMT1210SRHF K115M	V133
KDMT1210SRHF KC515M	V133
KDMT1220ERGN KC515M	V132
KDMT12R028M08SN	V128
KDMT12R120A12HNC	V130
KDMT12R130A12SN	V129
KDMT12R150A12SN	V129
KDMT12R160A12HNC	V130
KDMT1610ERGC KC515M	V132
KDMT1610ERGN KC515M	V132
KDMT1610ERHC KC505M	V133
KDMT1615SRHF K115M	V133
KDMT1615SRHF KC515M	V133
KDMT1630ERGN KC515M	V132
KDMT16R028M08SN	V128
KDMT16R140A16HNC	V130
KDMT16R140A16SN	V129
KDMT16R160A16SN	V129
KDMT16R175A16HNC	V130
KDMT2010ERGC KC515M	V132
KDMT2010ERGN KC515M	V132
KDMT2010ERHC KC505M	V133
KDMT2020SRHF K115M	V133
KDMT2020SRHF KC515M	V133
KDMT2040ERGN KC515M	V132
KDMT20R032M10SN	V128
KDMT20R140A20HNC	V130
KDMT20R160A20SN	V129
KDMT20R175A20SN	V129
KDMT20R190A20HNC	V130
KDMT2510ERGC KC515M	V132
KDMT2510ERGN KC515M	V132
KDMT25R190A25SN	V129
KDMT32R210A32SN	V129
KDR100Z06S32RN16	V60
KDR100Z07S32RN12	V56
KDR100Z08S32RN16	V60
KDR100Z09S32RN12	V56
KDR125Z08S40RN16	V60
KDR125Z10S40RN16	V60
KDR160Z12S40RN16	V60
KDR25Z03A25RN10L150	V48
KDR25Z03A25RN10L200	V48
KDR25Z03A32RN10L250	V48
KDR25Z03B25RN10	V47
KDR25Z03M12RN10	V46
KDR32Z02A32RN12L250	V55
KDR32Z03A32RN10L250	V48
KDR32Z03A32RN12L200	V55
KDR32Z03B32RN12	V54
KDR32Z03M16RN12	V53
KDR32Z04A32RN10L200	V48
KDR32Z04M16RN10	V46
KDR35Z03M16RN12	V53
KDR35Z05M16RN10	V46
KDR40Z04S16RN10	V49
KDR40Z04S16RN12	V56
KDR40Z04S16RN12X	V64
KDR40Z05M16RN10	V46
KDR40Z06S16RN10	V49
KDR42Z04M16RN12	V53
KDR50Z04S22RN12	V56
KDR50Z04S22RN16	V60
KDR50Z05S22RN10	V49
KDR50Z05S22RN12	V56
KDR50Z05S22RN12X	V64
KDR50Z06S22RN10	V49
KDR52Z04S22RN16	V60
KDR52Z05S22RN12	V56
KDR52Z06S22RN10	V49
KDR63Z04S22RN16	V60
KDR63Z05S22RN12	V56
KDR63Z06S22RN12X	V64
KDR63Z06S22RN16	V60
KDR63Z07S22RN10	V49
KDR63Z07S22RN12	V56
KDR66Z05S27RN16	V60
KDR66Z07S27RN10	V49
KDR66Z07S27RN12	V56
KDR80Z05S27RN16	V60
KDR80Z06S27RN12	V56
KDR80Z07S27RN12X	V64
KDR80Z07S27RN16	V60
KDR80Z08S27RN10	V49
KDR80Z08S27RN12	V56
KEGT25L508PEERLDJ KC410M	T82
KEGT25L512PEERLDJ KC410M	T82
KEGT25L516PEERLDJ KC410M	T82
KEGT25L516PEERLDJ2 KC410M	T83
KEGT25L520PEERLDJ KC410M	T82
KEGT25L531PEERLDJ KC410M	T82
KEGT25L540PEERLDJ KC410M	T82
KEGT25L550PEERLDJ KC410M	T82
KEGT25L564PEERLDJ KC410M	T82
KF2X25Z02A25W009L140	V39
KF2X25Z02A25W009L200	V39
KF2X25Z02A25W009L300	V39
KF2X25Z02M12W009	V38
KF2X28Z02A25W009L200	V39
KF2X32Z03A32W009L150	V39
KF2X32Z03A32W009L200	V39
KF2X32Z03A32W009L300	V39
KF2X32Z03M16W009	V38
KF2X35Z03A32W009L200	V39
KF2X35Z03M16W009	V38
KF2X40Z04W009	V40
KF2X42Z04M16W009	V38
KF2X50Z05W009	V40
KF2X52Z05W009	V40
KF2X63Z05S22W009	V40
KF2X63Z05W009	V40
KF2X66Z06S22W009	V40
KF2X66Z06W009	V40
KF2X80Z07W009	V40
KGEM1588R1WN20M	H76
KGEM1905R1WN20M	H76
KGEM1905R3WN20M	H76
KGIP0125N0189GD KCU45	H76
KGIP0300N0189GD KCU45	H76
KGMEL2525M50	C130
KGMEL2525M50C	C59
KGMEL2525M65	C130
KGMEL2525M65C	C59
KGMEL3232P50	C130
KGMEL3232P50C	C59
KGMEL3232P65	C130
KGMEL3232P65C	C59
KGMER2525M50	C130
KGMER2525M50C	C59
KGMER2525M65	C130
KGMER2525M65C	C59
KGMER3232P50	C130
KGMER3232P50C	C59
KGMER3232P65	C130
KGMER3232P65C	C59
KGMSL2525M50	C129
KGMSL2525M50C	C58
KGMSL2525M65	C129
KGMSL2525M65C	C58
KGMSL3232P50	C129
KGMSL3232P50C	C58
KGMSL3232P65	C129
KGMSL3232P65C	C58
KGMSR2525M50	C129
KGMSR2525M50C	C58
KGMSR2525M65	C129
KGMSR2525M65C	C58
KGMSR3232P50	C129
KGMSR3232P50C	C58
KGMSR3232P65	C129
KGMSR3232P65C	C58
KHDA0600A6ANA KC639M	P136
KHDA0800A6ANA KC639M	P136
KHDA1000A6ANA KC639M	P136
KHDA1200A6ANA KC639M	P136
KHDA1600A6ANA KC639M	P136
KHDA2000A6ANA KC639M	P136
KIPR016RP06CF02	V154
KIPR020RP06CF03	V154
KIPR020RP06MF03	V153
KIPR020RP09CF02	V154
KIPR020RP09MF02	V153
KIPR025RP09CF03	V154
KIPR025RP09MF03	V153
KIPR032RP12CF03	V154
KIPR032RP12MF03	V153
KIPR040RP12CF04	V154
KLM33	B62, B67, B70, B115–119
KLM33L	B90, B92, B139–141, B164
KLM34L	B62, B86, B90, B109, B133–134, B137, B139–141, B151–153, B162, B164
KLM34L9IP	B59, B85, B132, B149–150, B161
KLM43	B67, B70–72, B115–119, B164
KLM46	B61–63, B67–68, B70, B72, B92–93, B95, B108–110, B114, B133–134, B139–141, B151–152, B162, B164

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KLM4615IP	B58–60, B105, B107, B161
KLM46L	B86, B90–91
KLM46L15IP	B58–60, B85, B105–107, B132
KLM46S	B70–72, B92–93, B115–117, B119
KLM54	B115–117, B119
KLM58	B61–63, B67, B72, B91, B108–109
KLM58L15IP	B58–60, B105
KLM68	B61–63, B67–68, B72, B108–110, B114–115, B119
KLM68L25IP	B59–60, B105
KLM81025IP	B105–106
KLSSM22-39-CG	S14, S21, S32, S34, V21, V28, V40, V147
KM25LSEL1630	D83
KM25LSER1630	D83
KM25LSSL1630	D83
KM25LSSL2230	D83
KM25LSSR1630	D83
KM25LSSR2230	D83
KM25NEL330	D30
KM25NEL430	D30
KM25NER230	D30
KM25NER330	D30
KM25NER430	D30
KM25NSL230	D30
KM25NSL330	D30
KM25NSL430	D30
KM25NSR230	D30
KM25NSR330	D30
KM32FBHS24	K133
KM32FBHS31	K133
KM32RBHT24	K118
KM32RBHT30	K118
KM40FBHO1660	K124
KM40FBHS40	K133
KM40RBHT40	K118
KM40TSAVS00B111MCLB	K78
KM40TSAVS0B128MCLB	K78
KM40TSAVS1B112MCLB	K78
KM40TSAVS2B127MCLB	K78
KM40TSE16JNEL2 KWH	D40
KM40TSE16JNER2 KWH	D40
KM40TSKGMEL50C	C61, C132
KM40TSKGMER50C	C61, C132
KM40TSKGMSL50C	C60, C131
KM40TSKGMSR50C	C60, C131
KM40TSLSEL16N	D85
KM40TSLSER16N	D85
KM40TSLSER22N	D85
KM40TSLSER27N	D85
KM40TSLSSL16	D84
KM40TSLSSL22	D84
KM40TSLSSL27	D84
KM40TSLSSR16	D84
KM40TSLSSR22	D84
KM40TSLSSR27	D84
KM40TSNEL2	D31
KM40TSNEL3	D31
KM40TSNEL4	D31
KM40TSNER2	D31
KM40TSNER3	D31
KM40TSNER4	D31
KM40TSNRL3045M	D33
KM40TSNRR3045M	D33
KM40TSNSL2	D33
KM40TSNSL3	D33
KM40TSNSL4	D33
KM40TSNSR2	D33
KM40TSNSR3	D33
KM40TSNSR4	D33
KM40TSS10DLSEL11	D86
KM40TSS10DLSER11	D86
KM40TSS12ELSEL11	D86
KM40TSS12ELSER11	D86
KM40TSS12ENEL2	D38–39
KM40TSS12ENER2	D38–39
KM40TSS16FLSER16	D86
KM40TSS16FNEL2	D38–39
KM40TSS16FNER2	D38–39
KM40TSS20GLSEL16	D86
KM40TSS20GLSER16	D86
KM40TSS20GNEL2	D38–39
KM40TSS20GNER2	D38–39
KM40TSS25ENEL2	D38–39
KM40TSS25ENEL3	D38–39
KM40TSS25ENER2	D38–39
KM40TSS25ENER3	D38–39
KM40TSS25HLSEL16	D86
KM40TSS25HLSER16	D86
KM40TSS25HNEL3	D38–39
KM40TSS25HNER2	D38–39
KM40TSS25HNER3	D38–39
KM40TSS32GNEL3	D38–39
KM40TSS32GNER3	D38–39
KM40TSS32JLSEL16	D86
KM40TSS32JLSEL22	D86
KM40TSS32JLSER16	D86
KM40TSS32JLSER22	D86
KM40TSS32JNER3	D38–39
KM4X100NEL3	D32
KM4X100NEL4	D32
KM4X100NEL5	D32
KM4X100NEL6	D32
KM4X100NER3	D32
KM4X100NER4	D32
KM4X100NER5	D32
KM4X100NER6	D32
KM4X63KGMEL50C	C63, C133
KM4X63KGMEL65C	C63, C133
KM4X63KGMER50C	C63, C133
KM4X63KGMER65C	C63, C133
KM4X63KGMSL50C	C62–63, C133
KM4X63KGMSL65C	C62, C133
KM4X63KGMSR50C	C62–63, C133
KM4X63KGMSR65C	C62, C133
KM50FBHO1670	K124
KM50FBHS51	K133
KM50FBHS67	K133
KM50FBHS87	K133
KM50RBHT50	K118
KM50RBHT66	K118
KM50RBHT87	K118
KM50SVS4B125M	K80
KM50SVS5B125M	K80
KM50TSAVS00B117MCLB	K78
KM50TSAVS0B134MCLB	K78
KM50TSAVS1B118MCLB	K78
KM50TSAVS2B128MCLB	K78
KM50TSAVS3B128MCLB	K78
KM50TSFBHM1677	K128
KM50TSFBHMKIT164M	K123, K127
KM50TSKGMEL50C	C61, C132
KM50TSKGMEL65C	C61, C132
KM50TSKGMER50C	C61, C132
KM50TSKGMER65C	C61, C132
KM50TSKGMSL50C	C60, C131
KM50TSKGMSL65C	C60, C131
KM50TSKGMSR50C	C60, C131
KM50TSKGMSR65C	C60, C131
KM50TSSVUBB2100MCLB	K73
KM63BT13065	K137
KM63SVS4B110M	K80
KM63SVS5B110M	K80
KM63TSAVS3B130MCLB	K78
KM63TSKGMEL50C	C61, C132
KM63TSKGMEL65C	C61, C132
KM63TSKGMER50C	C61, C132
KM63TSKGMER65C	C61, C132
KM63TSKGMSL50C	C60, C131
KM63TSKGMSL65C	C60, C131
KM63TSKGMSR50C	C60, C131
KM63TSKGMSR65C	C60, C131
KM63UTFBHS116	K133
KM63UTFBHS87	K133
KM63UTRBHT115	K118
KM63UTRBHT87	K118
KM63XMZKGMELF50CY	C61, C132
KM63XMZKGMELF65CY	C61, C132
KM63XMZKGMER50CY	C61, C132
KM63XMZKGMER65CY	C61, C132
KM63XMZKGMSLF50CY	C60, C131
KM63XMZKGMSR50CY	C60, C131
KM63XMZKR5060Y	K87
KM80ATCKGMEL50C	C61, C132
KM80ATCKGMEL65C	C61, C132
KM80ATCKGMER50C	C61, C132
KM80ATCKGMER65C	C61, C132
KM80ATCKGMSL50C	C60, C131
KM80ATCKGMSR50C	C60, C131
KM80BT13070	K137
KM80SVS6B150M	K80
KM80TSKGMEL50C	C61, C132
KM80TSKGMEL65C	C61, C132
KM80TSKGMER50C	C61, C132
KM80TSKGMER65C	C61, C132
KM80TSKGMSL50C	C60, C131
KM80TSKGMSL65C	C60, C131
KM80TSKGMSR50C	C60, C131
KM80TSKGMSR65C	C60, C131
KMDA0600A6ANA KC639M	P137
KMDA0800A6ANA KC639M	P137
KMDA1000A6ANA KC639M	P137
KMDA1200A6ANA KC639M	P137
KMDA1600A6ANA KC639M	P137
KMDA2000A6ANA KC639M	P137
KMSP315IP	B59, B85, B89–90, B132, B137, B149–150, B152, B161
KMSP415IP	B58–60, B66, B85, B89–90, B105–107, B132, B161, B163
KMSP515IP	B58–60, B66, B105
KMSP625IP	B59–60, B105
KMSP825IP	B105–106
KNGX150401R15 K68	E30
KNGX150401R15 KCU10	E30
KNGX150402R15 KCU10	E30
KNGX150404L20 KC5010	E30
KNGX150404L20 KCU25	E30
KNGX150404R20 KC5010	E30
KNGX150404R20 KCU25	E30
KNGX150408L20 K68	E30
KNGX150408L20 KC5010	E30
KNGX150408L20 KCU25	E30
KNGX150408R20 KC5010	E30
KNGX150408R20 KCU10	E30
KNGX150408R20 KCU25	E30
KNGX220404R25 KCU25	E30
KNGX220408L20 KCU10	E30
KNGX220408R32 KCU10	E30
KNUX150405L25 K68	E31
KNUX150405L25 KCU10	E31
KNUX150405R20 KC5010	E31
KNUX150405R20 KCP25B	E32
KNUX150405R20 KCU10	E31
KNUX150405R25 K68	E31
KNUX150405R25 KCP25B	E31
KNUX150410L25 K68	E31
KNUX150410L25 KCU10	E31
KNUX150410R25 K68	E31
KNUX150410R25 KCU10	E31
KNUX160405L1 KCM15B	E31
KNUX160405L1 KCM25B	E31
KNUX160405L2 KU10	E31
KNUX160405R1 KCM15B	E31
KNUX160405R1 KCM25B	E31
KNUX160405R1 KCU25	E31
KNUX160405R2 KCM25B	E31
KNUX160410R1 KCM25B	E31
KNUX160410R2 KCM25B	E31
KR32AVS00B099MCLB	K78
KR32AVS0B116MCLB	K78
KR32AVS1B100MCLB	K78
KR32AVS2B115MCLB	K78
KR32AVS3B115MCLB	K78
KR32KR32038050M	K88
KR32KR32038100M	K88
KR32KR32047050M	K88
KR32KR32047100M	K88
KR32SVUBB1060MCLB	K72
KR32SVUBB2085MCLB	K73
KR50KR50065050M	K88
KR50KR50065100M	K88
KR50SVS4B094M	K79
KR50SVS5B094M	K79
KR50SVU65110MCLB	K84
KR50SVUBB2075MCLB	K73
KR63KR63085050M	K88
KR63KR63085100M	K88
KR63SVS6B126M	K79
KR80KR80095050M	K88
KR80KR80095100M	K88
KR80SVU92152MCLB	K84
KRBB10FABDRS204C	K74, K96
KRBB10SCFPR06085C	K74, K96
KRBB10SCFPR06110C	K74, K97
KRBB10SCFPR06135C	K74, K97
KRBB10SCLDR4060C	K74, K96
KRBB16SCFPR06085A	K75, K98
KRBB16SCFPR0611A	K75, K98
KRBB16SCFPR06135A	K75, K98
KRBB16SCFPR0616A	K75, K99
KRBB16SCFPR0619A	K75, K99
KRBB16SCFPR0622A	K75, K99
KRBB16SCLDRS406A	K75, K98
KRCSCFPR061A	K82
KRCSCFPR061B	K82
KRCSCFPR061C	K82
KRCSCFPR061D	K82
KRCSCFPR061E	K85, K104–105
KRCSCFPR061F	K85, K106–110
KRCSCFPR061L	K82
KRCSCFPR061W	K81
KRCSCFPR061X	K81
KRCSCFPR061Y	K81
KRCSCFPR062A	K82
KRCSCFPR062B	K82
KRCSCFPR062C	K82
KRCSCFPR062D	K82
KRCSCFPR062E	K85, K104–105
KRCSCFPR062F	K85, K106–110
KRCSCFPR062L	K82
KRCSCFPR062W	K81
KRCSCFPR062X	K81
KRCSCFPR062Y	K81
KRCSCFPR063A	K82
KRCSCFPR063B	K82
KRCSCFPR063C	K82
KRCSCFPR063D	K82
KRCSCFPR063E	K85, K104–105
KRCSCFPR063F	K85, K106–110
KRCSCFPR063L	K82
KRCSCFPR063W	K81
KRCSCFPR063X	K81
KRCSCFPR063Y	K81
KRCSTFPR113F	K85
KRCW032A	K76
KRDCKR32M	K86–88
KRDCKR50M	K86–88
KRDCKR63M	K86–88
KRDCKR80M	K86–88
KRDE025010M	K76
KRDE033010M	K76
KRDE043010M	K76
KRDE065012M	K76
KRDE070019M	K85, K104
KRDE083019M	K85, K104–105
KRDE096019M	K85, K105
KRDE101023M	K85, K106
KRDE120023M	K85, K106–107
KRDE139026M	K85, K107
KRDE156026M	K85, K108
KRDE175026M	K85, K109
KRDE193026M	K85, K110
KRDEA012AM	K75
KRDEA046AM	K75
KRDEA051AM	K75
KRM018030CLB004NE	K89
KSCM100R12CAB32	S132
KSCM125R16CAB40	S132
KSCM160R18CAB40	S132
KSCM200R24CAB60	S132
KSCM250R30CAB60	S132
KSCM63R08CAH63A090	S131
KSCM80R10CAB27	S132
KSCMA90QFBF KD1400	S134
KSCMA90QFBF KD1420	S134
KSCMA90UNBF KD1400	S134
KSCMA90UNBF KD1420	S134
KSCMCA75PT KD1420	S133

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KSCMCA75QF KD1420	S133
KSCMCA75UN KD1420	S133
KSCMCA90QF KD1420	S134
KSCMCA90QFBF KD1420	S134
KSCMCA90UN KD1420	S134
KSCMCA90UNBF KD1420	S134
KSDR100031E0W0S KD1400	S127
KSDR100031E0W0S KD1425	S127
KSDR100031E0W4S KD1400	S127
KSDR100031E0W4S KD1425	S127
KSDR100031E1W4S KD1400	S127
KSDR100031E1W4S KD1425	S127
KSDR100031E3W4S KD1400	S128
KSDR100031E3W4S KD1425	S128
KSDR100093E1W4S KD1400	S127
KSDR100093E1W4S KD1425	S127
KSDR102S KD1400	S128
KSDR102S KD1425	S128
KSEM1250HPCCLM KC7410	H48
KSEM1250HPGM KC7315	H42
KSEM1250HPGM KCPM45	H45
KSEM1250HPLM KC7320	H50
KSEM1250HPM KC7315	H40
KSEM1250PCM KC7135	H56
KSEM1250SPLM KCMS35	H52
KSEM125R10WN16M	H61
KSEM125R1WN16F45M	H63
KSEM125R1WN16M	H58
KSEM125R3WN16M	H59
KSEM125R5WN16M	H59
KSEM125R7WN16M	H61
KSEM125SEFM	H64
KSEM1260HPGM KC7315	H42
KSEM1270HPCCLM KC7410	H48
KSEM1270HPGM KC7315	H42
KSEM1270HPGM KCPM45	H45
KSEM1270HPLM KC7320	H50
KSEM1270HPM KC7315	H40
KSEM1270SPLM KCMS35	H52
KSEM1280HPGM KC7315	H42
KSEM1280HPGM KCPM45	H45
KSEM1280HPLM KC7320	H50
KSEM1280HPM KC7315	H40
KSEM1280PCM KC7135	H56
KSEM1293HPCCLM KC7410	H48
KSEM1293HPGM KC7315	H42
KSEM1293HPGM KCPM45	H45
KSEM1293HPLM KC7320	H50
KSEM1300HPCCLM KC7410	H48, H87
KSEM1300HPGM KC7315	H42
KSEM1300HPGM KCPM45	H45
KSEM1300HPLM KC7320	H50
KSEM1300HPM KC7315	H40
KSEM1300PCM KC7135	H56, H87
KSEM1300SPLM KCMS35	H52
KSEM130R10WN16M	H61
KSEM130R3WN16M	H59
KSEM130R5WN16M	H59
KSEM130R7WN16M	H61
KSEM130SEFM	H64
KSEM1310HPCCLM KC7410	H48
KSEM1310HPGM KC7315	H42
KSEM1310HPM KC7315	H40
KSEM1311HPLM KC7320	H50
KSEM1320HPGM KC7315	H42
KSEM1320HPM KC7315	H40
KSEM1350HPCCLM KC7410	H48
KSEM1350HPGM KC7315	H42
KSEM1350HPGM KCPM45	H45
KSEM1350HPLM KC7320	H50
KSEM1350HPM KC7315	H40
KSEM1350PCM KC7135	H56
KSEM1350SPLM KCMS35	H52
KSEM135R10WN16M	H61
KSEM135R3WN16M	H59
KSEM135R5WN16M	H59
KSEM135R7WN16M	H61
KSEM135SEFM	H64
KSEM1360HPGM KC7315	H42
KSEM1360HPGM KCPM45	H45
KSEM1360HPLM KC7320	H50
KSEM136R10WN16M	H61
KSEM136R1WN16F45M	H63
KSEM136R1WN16M	H58
KSEM136R3WN16M	H59
KSEM136R5WN16M	H59
KSEM136R7WN16M	H61
KSEM1370HPGM KC7315	H42
KSEM1370HPM KC7315	H40
KSEM1380HPGM KC7315	H42
KSEM1380HPGM KCPM45	H45
KSEM1380HPLM KC7320	H50
KSEM1380HPM KC7315	H40
KSEM1380PCM KC7135	H56
KSEM1389HPCCLM KC7410	H48
KSEM1389HPGM KC7315	H42
KSEM1389HPGM KCPM45	H45
KSEM1389HPLM KC7320	H50
KSEM1389HPM KC7315	H40
KSEM1400HPCCLM KC7410	H48, H87
KSEM1400HPGM KC7315	H42
KSEM1400HPGM KCPM45	H45
KSEM1400HPLM KC7320	H50
KSEM1400HPM KC7315	H40
KSEM1400PCM KC7135	H56, H87
KSEM1400SPLM KCMS35	H52
KSEM140R10WN16M	H61
KSEM140R3WN16M	H59
KSEM140R5WN16M	H59
KSEM140R7WN16M	H61
KSEM140SEFM	H64
KSEM1410HPGM KC7315	H42
KSEM1410HPGM KCPM45	H45
KSEM1410HPLM KC7320	H50
KSEM1410HPM KC7315	H40
KSEM1410PCM KC7135	H56
KSEM1415HPLM KC7320	H50
KSEM1420HPGM KC7315	H42
KSEM1420HPLM KC7320	H50
KSEM1420HPM KC7315	H40
KSEM1429HPCCLM KC7410	H48
KSEM1429HPGM KC7315	H42
KSEM1429HPGM KCPM45	H45
KSEM1429HPLM KC7320	H50
KSEM1429HPM KC7315	H40
KSEM1429SPLM KCMS35	H52
KSEM1440HPGM KC7315	H42
KSEM1440HPM KC7315	H40
KSEM1450HPCCLM KC7410	H48
KSEM1450HPGM KC7315	H42
KSEM1450HPGM KCPM45	H45
KSEM1450HPLM KC7320	H50
KSEM1450HPM KC7315	H40
KSEM1450PCM KC7135	H56
KSEM1450SPLM KCMS35	H52
KSEM145R10WN20M	H61
KSEM145R3WN20M	H59
KSEM145R5WN20M	H59
KSEM145R7WN20M	H61
KSEM145SEFM	H64
KSEM1460HPGM KC7315	H42
KSEM1460HPLM KC7320	H50
KSEM1460PCM KC7135	H56
KSEM1468HPCCLM KC7410	H48
KSEM1468HPGM KC7315	H42
KSEM1468HPGM KCPM45	H45
KSEM1468HPLM KC7320	H50
KSEM1468HPM KC7315	H40
KSEM146R10WN20M	H61
KSEM146R1WN20F45M	H63
KSEM146R1WN20M	H58
KSEM146R3WN20M	H59
KSEM146R5WN20M	H59
KSEM146R7WN20M	H61
KSEM1480HPGM KC7315	H42
KSEM1480HPLM KC7320	H50
KSEM1480HPM KC7315	H40
KSEM1480PCM KC7135	H56
KSEM1500HPCCLM KC7410	H48, H87
KSEM1500HPGM KC7315	H42
KSEM1500HPGM KCPM45	H45
KSEM1500HPLM KC7320	H50
KSEM1500HPM KC7315	H40
KSEM1500PCM KC7135	H56, H87
KSEM1500SPLM KCMS35	H52
KSEM1508HPGM KC7315	H42
KSEM1508HPGM KCPM45	H45
KSEM1508HPLM KC7320	H50
KSEM1508HPM KC7315	H40
KSEM150R10WN20M	H61
KSEM150R3WN20M	H59
KSEM150R5WN20M	H59
KSEM150R7WN20M	H61
KSEM150SEFM	H64
KSEM1530HPGM KC7315	H42
KSEM1530HPM KC7315	H40
KSEM1548HPCCLM KC7410	H48
KSEM1548HPGM KC7315	H42
KSEM1548HPLM KC7320	H50
KSEM1550HPCCLM KC7410	H48
KSEM1550HPGM KC7315	H42
KSEM1550HPGM KCPM45	H45
KSEM1550HPLM KC7320	H50
KSEM1550HPM KC7315	H40
KSEM1550PCM KC7135	H56
KSEM1550SPLM KCMS35	H52
KSEM155R10WN20M	H61
KSEM155R3WN20M	H59
KSEM155R5WN20M	H59
KSEM155R7WN20M	H61
KSEM155SEFM	H64
KSEM1560HPGM KC7315	H42
KSEM1560HPLM KC7320	H50
KSEM1560HPM KC7315	H40
KSEM1560PCM KC7135	H56
KSEM1570HPGM KC7315	H42
KSEM1570HPM KC7315	H40
KSEM1580HPGM KC7315	H42
KSEM1580HPGM KCPM45	H45
KSEM1580HPM KC7315	H40
KSEM1580PCM KC7135	H56
KSEM1588HPCCLM KC7410	H48
KSEM1588HPGM KC7315	H42
KSEM1588HPGM KCPM45	H45
KSEM1588HPLM KC7320	H50
KSEM1588HPM KC7315	H40
KSEM1588SPLM KCMS35	H52
KSEM1600FEGM KCPM45	H54
KSEM1600HPCCLM KC7410	H48, H87
KSEM1600HPGM KC7315	H42
KSEM1600HPGM KCPM45	H45
KSEM1600HPLM KC7320	H50
KSEM1600HPM KC7315	H40
KSEM1600PCM KC7135	H56, H87
KSEM1600SPLM KCMS35	H52
KSEM1604HPGM KC7315	H42
KSEM1609HPCCLM KC7410	H48
KSEM1609HPGM KC7315	H42
KSEM1609HPGM KCPM45	H45
KSEM1609HPLM KC7320	H50
KSEM1609HPM KC7315	H40
KSEM1609SPLM KCMS35	H52
KSEM160R10WN20M	H61
KSEM160R1WN20F45M	H63
KSEM160R1WN20M	H58
KSEM160R3WN20M	H59
KSEM160R5WN20M	H59
KSEM160R7WN20M	H61
KSEM160SEFM	H64
KSEM1610HPLM KC7320	H50
KSEM1615HPLM KC7320	H50
KSEM1615SPLM KCMS35	H52
KSEM1619HPGM KC7315	H42
KSEM1620HPGM KC7315	H42
KSEM1620HPGM KCPM45	H45
KSEM1620HPLM KC7320	H50
KSEM1620HPM KC7315	H40
KSEM1620PCM KC7135	H56
KSEM1627HPCCLM KC7410	H48
KSEM1627HPGM KC7315	H42
KSEM1627HPGM KCPM45	H45
KSEM1627HPLM KC7320	H50
KSEM1627HPM KC7315	H40
KSEM1627SPLM KCMS35	H52
KSEM1650FEGM KCPM45	H54
KSEM1650HPCCLM KC7410	H48
KSEM1650HPGM KC7315	H42
KSEM1650HPGM KCPM45	H45
KSEM1650HPLM KC7320	H50
KSEM1650HPM KC7315	H40
KSEM1650PCM KC7135	H56
KSEM1650SPLM KCMS35	H52
KSEM165R10WN20M	H61
KSEM165R3WN20M	H59
KSEM165R5WN20M	H59
KSEM165R7WN20M	H61
KSEM165SEFM	H64
KSEM1660HPGM KC7315	H42
KSEM1667HPCCLM KC7410	H48
KSEM1667HPGM KC7315	H42
KSEM1667HPGM KCPM45	H45
KSEM1667HPLM KC7320	H50
KSEM1667HPM KC7315	H40
KSEM1667SPLM KCMS35	H52
KSEM1700FEGM KCPM45	H54
KSEM1700HPCCLM KC7410	H48, H87
KSEM1700HPGM KC7315	H42
KSEM1700HPGM KCPM45	H45
KSEM1700HPLM KC7320	H50
KSEM1700HPM KC7315	H40
KSEM1700PCM KC7135	H56, H87
KSEM1700SPLM KCMS35	H52
KSEM1707HPCCLM KC7410	H48
KSEM1707HPGM KC7315	H42
KSEM1707HPGM KCPM45	H45
KSEM1707HPLM KC7320	H50
KSEM1707HPM KC7315	H40
KSEM170R10WN20M	H61
KSEM170R3WN20M	H59
KSEM170R5WN20M	H59
KSEM170R7WN20M	H61
KSEM170SEFM	H64
KSEM1735HPGM KC7315	H42
KSEM1746HPCCLM KC7410	H48
KSEM1746HPGM KC7315	H42
KSEM1746HPGM KCPM45	H45
KSEM1746HPLM KC7320	H50
KSEM1746HPM KC7315	H40
KSEM1746SPLM KCMS35	H52
KSEM1750FEGM KCPM45	H54
KSEM1750HPCCLM KC7410	H48
KSEM1750HPGM KC7315	H42
KSEM1750HPGM KCPM45	H45
KSEM1750HPLM KC7320	H50
KSEM1750HPM KC7315	H40
KSEM1750PCM KC7135	H56
KSEM1750SPLM KCMS35	H52
KSEM175R10WN20M	H61
KSEM175R3WN20M	H59
KSEM175R5WN20M	H59
KSEM175R7WN20M	H61
KSEM175SEFM	H64
KSEM1760HPCCLM KC7410	H48
KSEM1760HPGM KC7315	H42
KSEM1770HPGM KC7315	H42
KSEM1775HPLM KC7320	H50
KSEM1780HPLM KC7320	H50
KSEM1786HPGM KC7315	H42
KSEM1786HPGM KCPM45	H45
KSEM1786HPLM KC7320	H50
KSEM1786HPM KC7315	H40
KSEM1790HPLM KC7320	H50
KSEM1800FEGM KCPM45	H54
KSEM1800HPCCLM KC7410	H48, H87
KSEM1800HPGM KC7315	H42
KSEM1800HPGM KCPM45	H45
KSEM1800HPLM KC7320	H50
KSEM1800HPM KC7315	H40
KSEM1800PCM KC7135	H56, H87
KSEM1800SPLM KCMS35	H52
KSEM180R10WN20M	H61
KSEM180R3WN20M	H59
KSEM180R5WN20M	H59
KSEM180R7WN20M	H61
KSEM180SEFM	H64
KSEM181R10WN25M	H61
KSEM181R1WN25F45M	H63
KSEM181R1WN25M	H58

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KSEM181R5WN25M	H59
KSEM1826HPCCLM KC7410	H48
KSEM1826HPGM KC7315	H42
KSEM1826HPGM KCPM45	H45
KSEM1826HPLM KC7320	H50
KSEM1826HPM KC7315	H40
KSEM1830SPLM KCMS35	H52
KSEM1850FEGM KCPM45	H54
KSEM1850HPCCLM KC7410	H48
KSEM1850HPGM KC7315	H42
KSEM1850HPGM KCPM45	H45
KSEM1850HPLM KC7320	H50
KSEM1850HPM KC7315	H40
KSEM1850PCM KC7135	H56
KSEM1850SPLM KCMS35	H52
KSEM185R10WN25M	H61
KSEM185R3WN25M	H59
KSEM185R5WN25M	H59
KSEM185R7WN25M	H61
KSEM185SEFM	H64
KSEM1860HPGM KC7315	H42
KSEM1860HPLM KC7320	H50
KSEM1865HPGM KC7315	H42
KSEM1865HPGM KCPM45	H45
KSEM1865HPLM KC7320	H50
KSEM1865HPM KC7315	H40
KSEM1880HPGM KC7315	H42
KSEM1890HPLM KC7320	H50
KSEM1900FEGM KCPM45	H54
KSEM1900HPCCLM KC7410	H48, H87
KSEM1900HPGM KC7315	H42
KSEM1900HPGM KCPM45	H45
KSEM1900HPLM KC7320	H50
KSEM1900HPM KC7315	H40
KSEM1900PCM KC7135	H56, H87
KSEM1900SPLM KCMS35	H52
KSEM1905FEGM KCPM45	H54
KSEM1905HPCCLM KC7410	H48
KSEM1905HPGM KC7315	H42
KSEM1905HPGM KCPM45	H45
KSEM1905HPLM KC7320	H50
KSEM1905HPM KC7315	H40
KSEM1905SPLM KCMS35	H52
KSEM190R10WN25M	H61
KSEM190R3WN25M	H59
KSEM190R5WN25M	H59
KSEM190R7WN25M	H61
KSEM190SEFM	H64
KSEM1920HPGM KCPM45	H45
KSEM1920HPLM KC7320	H50
KSEM1920SPLM KCMS35	H52
KSEM1923HPGM KCPM45	H45
KSEM1923HPLM KC7320	H50
KSEM1923HPM KC7315	H40
KSEM1923SPLM KCMS35	H52
KSEM1925HPGM KC7315	H42
KSEM1925HPGM KCPM45	H45
KSEM1925HPLM KC7320	H50
KSEM1925SPLM KCMS35	H52
KSEM1927HPCCLM KC7410	H48
KSEM1927HPGM KC7315	H42
KSEM1927HPGM KCPM45	H45
KSEM1927HPLM KC7320	H50
KSEM1927HPM KC7315	H40
KSEM1927SPLM KCMS35	H52
KSEM1932HPGM KC7315	H42
KSEM1935HPGM KC7315	H42
KSEM1935HPLM KC7320	H50
KSEM1935SPLM KCMS35	H52
KSEM1936HPLM KC7320	H50
KSEM1938HPLM KC7320	H50
KSEM1945HPCCLM KC7410	H48
KSEM1945HPGM KC7315	H42
KSEM1945HPGM KCPM45	H45
KSEM1945HPLM KC7320	H50
KSEM1945HPM KC7315	H40
KSEM1945SPLM KCMS35	H52
KSEM1950FEGM KCPM45	H54
KSEM1950HPCCLM KC7410	H48
KSEM1950HPGM KC7315	H42
KSEM1950HPGM KCPM45	H45
KSEM1950HPLM KC7320	H50
KSEM1950HPM KC7315	H40
KSEM1950PCM KC7135	H56
KSEM1950SPLM KCMS35	H52
KSEM195R10WN25M	H61
KSEM195R3WN25M	H59
KSEM195R5WN25M	H59
KSEM195R7WN25M	H61
KSEM195SEFM	H64
KSEM1965HPGM KCPM45	H45
KSEM1970HPGM KC7315	H42
KSEM1984FEGM KCPM45	H54
KSEM1984HPCCLM KC7410	H48
KSEM1984HPGM KC7315	H42
KSEM1984HPGM KCPM45	H45
KSEM1984HPLM KC7320	H50
KSEM1984HPM KC7315	H40
KSEM1984SPLM KCMS35	H52
KSEM2000FEGM KCPM45	H54
KSEM2000HPCCLM KC7410	H48, H87
KSEM2000HPGM KC7315	H42
KSEM2000HPGM KCPM45	H45
KSEM2000HPLM KC7320	H50
KSEM2000HPM KC7315	H40
KSEM2000PCM KC7135	H56, H87
KSEM2000SPLM KCMS35	H52
KSEM200R10WN25M	H61
KSEM200R1WN25F45M	H63
KSEM200R1WN25M	H58
KSEM200R3WN25M	H59
KSEM200R5WN25M	H59
KSEM200R7WN25M	H61
KSEM200SEFM	H64
KSEM2010HPLM KC7320	H50
KSEM2024HPCCLM KC7410	H48
KSEM2024HPGM KC7315	H42
KSEM2024HPGM KCPM45	H45
KSEM2024HPLM KC7320	H50
KSEM2024HPM KC7315	H40
KSEM2024SPLM KCMS35	H52
KSEM2035HPLM KC7320	H50
KSEM2050FEGM KCPM45	H54
KSEM2050HPCCLM KC7410	H48
KSEM2050HPGM KC7315	H42
KSEM2050HPGM KCPM45	H45
KSEM2050HPLM KC7320	H50
KSEM2050HPM KC7315	H40
KSEM2050PCM KC7135	H56
KSEM2050SPLM KCMS35	H52
KSEM205R10WN25M	H61
KSEM205R3WN25M	H59
KSEM205R5WN25M	H59
KSEM205R7WN25M	H61
KSEM205SEFM	H64
KSEM2064HPCCLM KC7410	H48
KSEM2064HPGM KC7315	H42
KSEM2064HPGM KCPM45	H45
KSEM2064HPLM KC7320	H50
KSEM2064HPM KC7315	H40
KSEM2064SPLM KCMS35	H52
KSEM2070HPGM KC7315	H42
KSEM2100FEGM KCPM45	H54
KSEM2100HPCCLM KC7410	H48, H87
KSEM2100HPGM KC7315	H42
KSEM2100HPGM KCPM45	H45
KSEM2100HPLM KC7320	H50
KSEM2100HPM KC7315	H40
KSEM2100PCM KC7135	H56, H87
KSEM2100SPLM KCMS35	H52
KSEM210R10WN25M	H61
KSEM210R3WN25M	H59
KSEM210R5WN25M	H59
KSEM210R7WN25M	H61
KSEM210SEFM	H64
KSEM2110HPGM KC7315	H42
KSEM2115HPLM KC7320	H50
KSEM2120HPGM KC7315	H42
KSEM2133HPGM KC7315	H43
KSEM2133HPLM KC7320	H50
KSEM2143HPCCLM KC7410	H48
KSEM2143HPGM KC7315	H43
KSEM2143HPGM KCPM45	H45
KSEM2143HPLM KC7320	H50
KSEM2143HPM KC7315	H40
KSEM2150FEGM KCPM45	H54
KSEM2150HPCCLM KC7410	H48
KSEM2150HPGM KC7315	H43
KSEM2150HPGM KCPM45	H45
KSEM2150HPLM KC7320	H50
KSEM2150HPM KC7315	H40
KSEM2150PCM KC7135	H56
KSEM2150SPLM KCMS35	H52
KSEM215R10WN25M	H61
KSEM215R3WN25M	H59
KSEM215R5WN25M	H59
KSEM215R7WN25M	H61
KSEM215SEFM	H64
KSEM2170HPGM KC7315	H43
KSEM2183HPGM KC7315	H43
KSEM2183HPGM KCPM45	H45
KSEM2183HPLM KC7320	H50
KSEM2183HPM KC7315	H40
KSEM2200FEGM KCPM45	H54
KSEM2200HPCCLM KC7410	H48, H87
KSEM2200HPGM KC7315	H43
KSEM2200HPGM KCPM45	H45
KSEM2200HPLM KC7320	H50
KSEM2200HPM KC7315	H40
KSEM2200PCM KC7135	H56, H87
KSEM2200SPLM KCMS35	H52
KSEM220R10WN25M	H61
KSEM220R3WN25M	H59
KSEM220R5WN25M	H59
KSEM220R7WN25M	H61
KSEM220SEFM	H64
KSEM2210HPCCLM KC7410	H48
KSEM2210HPGM KC7315	H43
KSEM2215HPGM KC7315	H43
KSEM221R10WN25M	H61
KSEM221R1WN25F45M	H63
KSEM221R1WN25M	H58
KSEM221R5WN25M	H59
KSEM2223HPCCLM KC7410	H48
KSEM2223HPGM KC7315	H43
KSEM2223HPGM KCPM45	H45
KSEM2223HPLM KC7320	H50
KSEM2223HPM KC7315	H40
KSEM2223SPLM KCMS35	H52
KSEM2244HPCCLM KC7410	H48
KSEM2244HPGM KC7315	H43
KSEM2244HPGM KCPM45	H45
KSEM2244HPLM KC7320	H50
KSEM2244HPM KC7315	H40
KSEM2250FEGM KCPM45	H54
KSEM2250HPCCLM KC7410	H48
KSEM2250HPGM KC7315	H43
KSEM2250HPGM KCPM45	H45
KSEM2250HPLM KC7320	H50
KSEM2250HPM KC7315	H40
KSEM2250PCM KC7135	H56
KSEM2250SPLM KCMS35	H52
KSEM225R10WN25M	H61
KSEM225R3WN25M	H60
KSEM225R5WN25M	H60
KSEM225R7WN25M	H61
KSEM225SEFM	H64
KSEM2262HPGM KC7315	H43
KSEM2277HPLM KC7320	H50
KSEM2300FEGM KCPM45	H54
KSEM2300HPCCLM KC7410	H48, H87
KSEM2300HPGM KC7315	H43
KSEM2300HPGM KCPM45	H45
KSEM2300HPLM KC7320	H50
KSEM2300HPM KC7315	H40
KSEM2300PCM KC7135	H56, H87
KSEM2300SPLM KCMS35	H52
KSEM2305HPGM KC7315	H43
KSEM230R10WN25M	H61
KSEM230R3WN25M	H60
KSEM230R5WN25M	H60
KSEM230R7WN25M	H61
KSEM230SEFM	H64
KSEM2310HPGM KC7315	H43
KSEM2325HPGM KC7315	H43
KSEM2330HPGM KC7315	H43
KSEM2342HPCCLM KC7410	H48
KSEM2342HPGM KC7315	H43
KSEM2342HPGM KCPM45	H45
KSEM2342HPLM KC7320	H50
KSEM2342HPM KC7315	H40
KSEM2350FEGM KCPM45	H54
KSEM2350HPCCLM KC7410	H48
KSEM2350HPGM KC7315	H43
KSEM2350HPGM KCPM45	H45
KSEM2350HPLM KC7320	H50
KSEM2350HPM KC7315	H40
KSEM2350PCM KC7135	H56
KSEM2350SPLM KCMS35	H52
KSEM235R10WN25M	H61
KSEM235R3WN25M	H60
KSEM235R5WN25M	H60
KSEM235R7WN25M	H61
KSEM235SEFM	H64
KSEM2360HPGM KCPM45	H45
KSEM2370HPGM KCPM45	H45
KSEM2381HPCCLM KC7410	H48
KSEM2381HPGM KC7315	H43
KSEM2381HPGM KCPM45	H45
KSEM2381HPLM KC7320	H50
KSEM2381HPM KC7315	H40
KSEM2381SPLM KCMS35	H52
KSEM2400FEGM KCPM45	H54
KSEM2400HPCCLM KC7410	H48, H87
KSEM2400HPGM KC7315	H43
KSEM2400HPGM KCPM45	H45
KSEM2400HPLM KC7320	H50
KSEM2400HPM KC7315	H40
KSEM2400PCM KC7135	H56, H87
KSEM2400SPLM KCMS35	H52
KSEM240R10WN25M	H61
KSEM240R3WN25M	H60
KSEM240R5WN25M	H60
KSEM240R7WN25M	H61
KSEM240SEFM	H64
KSEM241R10WN32M	H61
KSEM241R1WN32F45M	H63
KSEM241R1WN32M	H58
KSEM241R5WN32M	H60
KSEM2430HPGM KC7315	H43
KSEM2450FEGM KCPM45	H54
KSEM2450HPCCLM KC7410	H48
KSEM2450HPGM KC7315	H43
KSEM2450HPGM KCPM45	H45
KSEM2450HPLM KC7320	H50
KSEM2450HPM KC7315	H40
KSEM2450PCM KC7135	H56
KSEM2450SPLM KCMS35	H52
KSEM245R10WN32M	H61
KSEM245R3WN32M	H60
KSEM245R5WN32M	H60
KSEM245R7WN32M	H61
KSEM245SEFM	H64
KSEM2461HPCCLM KC7410	H48
KSEM2461HPGM KC7315	H43
KSEM2461HPGM KCPM45	H46
KSEM2461HPLM KC7320	H50
KSEM2461HPM KC7315	H40
KSEM2470HPGM KC7315	H43
KSEM2500FEGM KCPM45	H54
KSEM2500HPCCLM KC7410	H48, H87
KSEM2500HPGM KC7315	H43
KSEM2500HPGM KCPM45	H46
KSEM2500HPLM KC7320	H50
KSEM2500HPM KC7315	H40
KSEM2500PCM KC7135	H56, H87
KSEM2500SPLM KCMS35	H52
KSEM2507HPLM KC7320	H50
KSEM250R10WN32M	H61
KSEM250R3WN32M	H60
KSEM250R5WN32M	H60
KSEM250R7WN32M	H61
KSEM250SEFM	H64
KSEM2525SPLM KCMS35	H52
KSEM2530SPLM KCMS35	H52
KSEM2540FEGM KCPM45	H54
KSEM2540HPCCLM KC7410	H48
KSEM2540HPGM KC7315	H43

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KSEM2540HPGM KCPM45	H46
KSEM2540HPLM KC7320	H50
KSEM2540HPM KC7315	H40
KSEM2540SPLM KCMS35	H52
KSEM2550FEGM KCPM45	H54
KSEM2550HPCCLM KC7410	H48
KSEM2550HPGM KC7315	H43
KSEM2550HPGM KCPM45	H46
KSEM2550HPLM KC7320	H50
KSEM2550HPM KC7315	H40
KSEM2550PCM KC7135	H56
KSEM2550SPLM KCMS35	H52
KSEM2554HPGM KC7315	H43
KSEM255R10WN32M	H61
KSEM255R3WN32M	H60
KSEM255R5WN32M	H60
KSEM255R7WN32M	H61
KSEM255SEFM	H64
KSEM2560HPGM KC7315	H43
KSEM2560HPGM KCPM45	H46
KSEM2560HPLM KC7320	H50
KSEM2560HPM KC7315	H40
KSEM2560SPLM KCMS35	H52
KSEM2565HPGM KC7315	H43
KSEM2565HPGM KCPM45	H46
KSEM2565HPLM KC7320	H51
KSEM2565SPLM KCMS35	H52
KSEM2567HPCCLM KC7410	H48
KSEM2567HPGM KC7315	H43
KSEM2567HPGM KCPM45	H46
KSEM2567HPLM KC7320	H51
KSEM2567HPM KC7315	H40
KSEM2567SPLM KCMS35	H52
KSEM2580FEGM KCPM45	H54
KSEM2581FEGM KCPM45	H54
KSEM2581HPGM KCPM45	H46
KSEM2581HPLM KC7320	H51
KSEM2581SPLM KCMS35	H52
KSEM2600FEGM KCPM45	H54
KSEM2600HPCCLM KC7410	H48, H87
KSEM2600HPGM KC7315	H43
KSEM2600HPGM KCPM45	H46
KSEM2600HPLM KC7320	H51
KSEM2600HPM KC7315	H41
KSEM2600PCM KC7135	H56, H87
KSEM2600SPLM KCMS35	H52
KSEM260R10WN32M	H62
KSEM260R3WN32M	H60
KSEM260R5WN32M	H60
KSEM260R7WN32M	H62
KSEM260SEFM	H64
KSEM2619FEGM KCPM45	H54
KSEM2619HPCCLM KC7410	H48
KSEM2619HPGM KC7315	H43
KSEM2619HPGM KCPM45	H46
KSEM2619HPLM KC7320	H51
KSEM2619HPM KC7315	H41
KSEM2619SPLM KCMS35	H52
KSEM261R10WN32M	H62
KSEM261R1WN32F45M	H63
KSEM261R1WN32M	H58
KSEM261R5WN32M	H60
KSEM2630SPLM KCMS35	H52
KSEM2650FEGM KCPM45	H54
KSEM2650HPCCLM KC7410	H48
KSEM2650HPGM KC7315	H43
KSEM2650HPGM KCPM45	H46
KSEM2650HPLM KC7320	H51
KSEM2650HPM KC7315	H41
KSEM2650PCM KC7135	H56
KSEM2650SPLM KCMS35	H52
KSEM2653HPGM KC7315	H43
KSEM2659HPCCLM KC7410	H48
KSEM2659HPGM KC7315	H43
KSEM2659HPGM KCPM45	H46
KSEM2659HPLM KC7320	H51
KSEM2659HPM KC7315	H41
KSEM2659SPLM KCMS35	H52
KSEM265R10WN32M	H62
KSEM265R3WN32M	H60
KSEM265R5WN32M	H60
KSEM265R7WN32M	H62
KSEM265SEFM	H64
KSEM2670FEGM KCPM45	H54
KSEM2670HPGM KC7315	H43
KSEM2670HPLM KC7320	H51
KSEM2700FEGM KCPM45	H54
KSEM2700HPCCLM KC7410	H48, H87
KSEM2700HPGM KC7315	H43
KSEM2700HPGM KCPM45	H46
KSEM2700HPLM KC7320	H51
KSEM2700HPM KC7315	H41
KSEM2700PCM KC7135	H56, H87
KSEM2700SPLM KCMS35	H52
KSEM270R10WN32M	H62
KSEM270R3WN32M	H60
KSEM270R5WN32M	H60
KSEM270R7WN32M	H62
KSEM270SEFM	H64
KSEM2750FEGM KCPM45	H54
KSEM2750HPCCLM KC7410	H48
KSEM2750HPGM KC7315	H43
KSEM2750HPGM KCPM45	H46
KSEM2750HPLM KC7320	H51
KSEM2750HPM KC7315	H41
KSEM2750SPLM KCMS35	H52
KSEM275R10WN32M	H62
KSEM275R3WN32M	H60
KSEM275R5WN32M	H60
KSEM275R7WN32M	H62
KSEM275SEFM	H64
KSEM2778HPCCLM KC7410	H48
KSEM2778HPGM KC7315	H43
KSEM2778HPGM KCPM45	H46
KSEM2778HPM KC7315	H41
KSEM2779HPLM KC7320	H51
KSEM2800FEGM KCPM45	H54
KSEM2800HPCCLM KC7410	H49, H87
KSEM2800HPGM KC7315	H43
KSEM2800HPGM KCPM45	H46
KSEM2800HPLM KC7320	H51
KSEM2800HPM KC7315	H41
KSEM2800PCM KC7135	H56, H87
KSEM2800SPLM KCMS35	H52
KSEM280R10WN32M	H62
KSEM280R3WN32M	H60
KSEM280R5WN32M	H60
KSEM280R7WN32M	H62
KSEM280SEFM	H64
KSEM2810HPLM KC7320	H51
KSEM2817HPLM KC7320	H51
KSEM2818HPCCLM KC7410	H49
KSEM2818HPGM KC7315	H43
KSEM2818HPGM KCPM45	H46
KSEM2818HPM KC7315	H41
KSEM281R10WN32M	H62
KSEM281R1WN32F45M	H63
KSEM281R1WN32M	H58
KSEM281R5WN32M	H60
KSEM2835HPGM KCPM45	H46
KSEM2850FEGM KCPM45	H54
KSEM2850HPCCLM KC7410	H49
KSEM2850HPGM KC7315	H43
KSEM2850HPGM KCPM45	H46
KSEM2850HPLM KC7320	H51
KSEM2850HPM KC7315	H41
KSEM2850PCM KC7135	H56
KSEM2850SPLM KCMS35	H52
KSEM2858HPCCLM KC7410	H49
KSEM2858HPGM KC7315	H43
KSEM2858HPGM KCPM45	H46
KSEM2858HPLM KC7320	H51
KSEM2858HPM KC7315	H41
KSEM2858SPLM KCMS35	H53
KSEM285R10WN32M	H62
KSEM285R3WN32M	H60
KSEM285R5WN32M	H60
KSEM285R7WN32M	H62
KSEM285SEFM	H64
KSEM2900FEGM KCPM45	H54
KSEM2900HPCCLM KC7410	H49, H87
KSEM2900HPGM KC7315	H43
KSEM2900HPGM KCPM45	H46
KSEM2900HPLM KC7320	H51
KSEM2900HPM KC7315	H41
KSEM2900PCM KC7135	H56, H87
KSEM2900SPLM KCMS35	H53
KSEM290R10WN32M	H62
KSEM290R3WN32M	H60
KSEM290R5WN32M	H60
KSEM290R7WN32M	H62
KSEM290SEFM	H64
KSEM2937HPCCLM KC7410	H49
KSEM2937HPGM KC7315	H43
KSEM2937HPGM KCPM45	H46
KSEM2937HPLM KC7320	H51
KSEM2937HPM KC7315	H41
KSEM2950FEGM KCPM45	H54
KSEM2950HPCCLM KC7410	H49
KSEM2950HPGM KC7315	H43
KSEM2950HPGM KCPM45	H46
KSEM2950HPLM KC7320	H51
KSEM2950HPM KC7315	H41
KSEM2950PCM KC7135	H56
KSEM2950SPLM KCMS35	H53
KSEM2955HPGM KC7315	H43
KSEM295R10WN32M	H62
KSEM295R3WN32M	H60
KSEM295R5WN32M	H60
KSEM295R7WN32M	H62
KSEM295SEFM	H64
KSEM2973HPGM KC7315	H43
KSEM2977HPCCLM KC7410	H49
KSEM2977HPGM KC7315	H43
KSEM2977HPGM KCPM45	H46
KSEM2977HPLM KC7320	H51
KSEM2977HPM KC7315	H41
KSEM3000FEGM KCPM45	H54
KSEM3000HPCCLM KC7410	H49, H87
KSEM3000HPGM KC7315	H43
KSEM3000HPGM KCPM45	H46
KSEM3000HPLM KC7320	H51
KSEM3000HPM KC7315	H41
KSEM3000PCM KC7135	H56, H87
KSEM3000SPLM KCMS35	H53
KSEM300R10WN32M	H62
KSEM300R3WN32M	H60
KSEM300R5WN32M	H60
KSEM300R7WN32M	H62
KSEM300SEFM	H64
KSEM3016HPCCLM KC7410	H49
KSEM3016HPGM KC7315	H43
KSEM3016HPGM KCPM45	H46
KSEM3016HPLM KC7320	H51
KSEM3016HPM KC7315	H41
KSEM301R10WN32M	H62
KSEM301R1WN32F45M	H63
KSEM301R1WN32M	H58
KSEM301R5WN32M	H60
KSEM3050FEGM KCPM45	H54
KSEM3050HPCCLM KC7410	H49
KSEM3050HPGM KC7315	H43
KSEM3050HPGM KCPM45	H46
KSEM3050HPLM KC7320	H51
KSEM3050HPM KC7315	H41
KSEM3050PCM KC7135	H56
KSEM3050SPLM KCMS35	H53
KSEM3056HPGM KC7315	H43
KSEM305R3WN32M	H60
KSEM305R5WN32M	H60
KSEM305R7WN32M	H62
KSEM305SEFM	H64
KSEM3096HPGM KC7315	H43
KSEM3096HPGM KCPM45	H46
KSEM3096HPM KC7315	H41
KSEM3100FEGM KCPM45	H54
KSEM3100HPCCLM KC7410	H49, H87
KSEM3100HPGM KC7315	H43
KSEM3100HPGM KCPM45	H46
KSEM3100HPLM KC7320	H51
KSEM3100HPM KC7315	H41
KSEM3100PCM KC7135	H56, H87
KSEM3100SPLM KCMS35	H53
KSEM310R10WN32M	H62
KSEM310R3WN32M	H60
KSEM310R5WN32M	H60
KSEM310R7WN32M	H62
KSEM310SEFM	H64
KSEM3115HPGM KCPM45	H46
KSEM3125HPGM KC7315	H43
KSEM3150FEGM KCPM45	H54
KSEM3150HPGM KC7315	H43
KSEM3150HPGM KCPM45	H46
KSEM3150HPLM KC7320	H51
KSEM3150HPM KC7315	H41
KSEM3150SPLM KCMS35	H53
KSEM315R3WN32M	H60
KSEM315R5WN32M	H60
KSEM315R7WN32M	H62
KSEM315SEFM	H64
KSEM3175FEGM KCPM45	H54
KSEM3175HPCCLM KC7410	H49
KSEM3175HPGM KC7315	H43
KSEM3175HPGM KCPM45	H46
KSEM3175HPLM KC7320	H51
KSEM3175HPM KC7315	H41
KSEM3175SPLM KCMS35	H53
KSEM3200FEGM KCPM45	H54
KSEM3200HPCCLM KC7410	H49, H87
KSEM3200HPGM KC7315	H43
KSEM3200HPGM KCPM45	H46
KSEM3200HPLM KC7320	H51
KSEM3200HPM KC7315	H41
KSEM3200PCM KC7135	H56, H87
KSEM3200SPLM KCMS35	H53
KSEM320R10WN32M	H62
KSEM320R3WN32M	H60
KSEM320R5WN32M	H60
KSEM320R7WN32M	H62
KSEM320SEFM	H64
KSEM321R1WD50F45M	H63
KSEM321R1WD50M	H58
KSEM321R3WD40M	H60
KSEM321R3WD50M	H60
KSEM321R5WD40M	H60
KSEM321R5WD50M	H60
KSEM3220HPGM KC7315	H43
KSEM3234HPGM KC7315	H43
KSEM3250FEGM KCPM45	H54
KSEM3250HPGM KC7315	H43
KSEM3250HPGM KCPM45	H46
KSEM3250HPM KC7315	H41
KSEM3250SPLM KCMS35	H53
KSEM3254HPGM KC7315	H43
KSEM3254HPGM KCPM45	H46
KSEM3254HPLM KC7320	H51
KSEM3294HPGM KC7315	H43
KSEM3300FEGM KCPM45	H54
KSEM3300HPCCLM KC7410	H49, H87
KSEM3300HPGM KC7315	H43
KSEM3300HPGM KCPM45	H46
KSEM3300HPLM KC7320	H51
KSEM3300HPM KC7315	H41
KSEM3300PCM KC7135	H56, H87
KSEM330R3WD40M	H60
KSEM330R3WD50M	H60
KSEM330R5WD40M	H60
KSEM330R5WD50M	H60
KSEM3334HPGM KC7315	H43
KSEM3334HPGM KCPM45	H46
KSEM3334HPM KC7315	H41
KSEM3335HPLM KC7320	H51
KSEM3350FEGM KCPM45	H54
KSEM3350HPGM KC7315	H43
KSEM3350HPGM KCPM45	H46
KSEM3350SPLM KCMS35	H53
KSEM3373HPGM KC7315	H43
KSEM3400FEGM KCPM45	H54
KSEM3400HPCCLM KC7410	H49, H87
KSEM3400HPGM KC7315	H43
KSEM3400HPGM KCPM45	H46
KSEM3400HPLM KC7320	H51
KSEM3400HPM KC7315	H41
KSEM3400PCM KC7135	H56, H87
KSEM3400SPLM KCMS35	H53
KSEM340R3WD40M	H60
KSEM340R3WD50M	H60
KSEM340R5WD40M	H60

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KSEM340R5WD50M	H60
KSEM3413HPGM KC7315	H43
KSEM3413HPM KC7315	H41
KSEM3450FEGM KCPM45	H54
KSEM3450HPGM KC7315	H43
KSEM3450HPGM KCPM45	H46
KSEM3450SPLM KCMS35	H53
KSEM3493HPGM KC7315	H43
KSEM3493HPGM KCPM45	H46
KSEM3493HPLM KC7320	H51
KSEM3493HPM KC7315	H41
KSEM3500FEGM KCPM45	H54
KSEM3500HPCCLM KC7410	H49, H87
KSEM3500HPGM KC7315	H43
KSEM3500HPGM KCPM45	H46
KSEM3500HPLM KC7320	H51
KSEM3500HPM KC7315	H41
KSEM3500PCM KC7135	H56, H87
KSEM3500SPLM KCMS35	H53
KSEM350R3WD40M	H60
KSEM350R3WD50M	H60
KSEM350R5WD40M	H60
KSEM350R5WD50M	H60
KSEM3550FEGM KCPM45	H54
KSEM3550HPGM KC7315	H43
KSEM3550HPM KC7315	H41
KSEM3550SPLM KCMS35	H53
KSEM3571HPLM KC7320	H51
KSEM3572HPGM KC7315	H43
KSEM3600FEGM KCPM45	H55
KSEM3600HPCCLM KC7410	H49, H87
KSEM3600HPGM KC7315	H43
KSEM3600HPGM KCPM45	H46
KSEM3600HPLM KC7320	H51
KSEM3600HPM KC7315	H41
KSEM3600PCM KC7135	H56, H87
KSEM3600SPLM KCMS35	H53
KSEM360R3WD40M	H60
KSEM360R3WD50M	H60
KSEM360R5WD40M	H60
KSEM360R5WD50M	H60
KSEM3612HPGM KC7315	H43
KSEM361R1WD50F45M	H63
KSEM361R1WD50M	H58
KSEM361R3WD40M	H60
KSEM361R3WD50M	H60
KSEM361R5WD40M	H60
KSEM361R5WD50M	H60
KSEM3650FEGM KCPM45	H55
KSEM3650HPGM KC7315	H43
KSEM3650SPLM KCMS35	H53
KSEM3651HPGM KC7315	H43
KSEM3651HPGM KCPM45	H46
KSEM3700FEGM KCPM45	H55
KSEM3700HPCCLM KC7410	H49, H87
KSEM3700HPGM KC7315	H43
KSEM3700HPGM KCPM45	H46
KSEM3700HPLM KC7320	H51
KSEM3700PCM KC7135	H56, H87
KSEM3700SPLM KCMS35	H53
KSEM370R3WD40M	H60
KSEM370R3WD50M	H60
KSEM370R5WD40M	H60
KSEM370R5WD50M	H60
KSEM3731HPGM KC7315	H43
KSEM3731HPGM KCPM45	H46
KSEM3750FEGM KCPM45	H55
KSEM3750HPGM KC7315	H43
KSEM3750HPGM KCPM45	H46
KSEM3750HPLM KC7320	H51
KSEM3750HPM KC7315	H41
KSEM3750SPLM KCMS35	H53
KSEM3800FEGM KCPM45	H55
KSEM3800HPCCLM KC7410	H49, H87
KSEM3800HPGM KC7315	H43
KSEM3800HPGM KCPM45	H46
KSEM3800HPLM KC7320	H51
KSEM3800HPM KC7315	H41
KSEM3800PCM KC7135	H56, H87
KSEM3800SPLM KCMS35	H53
KSEM380R3WD40M	H60
KSEM380R3WD50M	H60
KSEM380R5WD40M	H60
KSEM380R5WD50M	H60
KSEM3810FEGM KCPM45	H55
KSEM3810HPGM KC7315	H43
KSEM3810HPGM KCPM45	H46
KSEM3810HPLM KC7320	H51
KSEM3810HPM KC7315	H41
KSEM3846HPGM KC7315	H43
KSEM3846HPGM KCPM45	H46
KSEM3846HPLM KC7320	H51
KSEM3846SPLM KCMS35	H53
KSEM3850FEGM KCPM45	H55
KSEM3850HPGM KC7315	H43
KSEM3850HPM KC7315	H41
KSEM3850SPLM KCMS35	H53
KSEM3900FEGM KCPM45	H55
KSEM3900HPCCLM KC7410	H49, H87
KSEM3900HPGM KC7315	H43
KSEM3900HPGM KCPM45	H46
KSEM3900HPLM KC7320	H51
KSEM3900HPM KC7315	H41
KSEM3900PCM KC7135	H56, H87
KSEM3900SPLM KCMS35	H53
KSEM390R3WD40M	H60
KSEM390R3WD50M	H60
KSEM390R5WD40M	H60
KSEM390R5WD50M	H60
KSEM3920HPCCLM KC7410	H49
KSEM3950FEGM KCPM45	H55
KSEM3950HPGM KC7315	H43
KSEM3950HPM KC7315	H41
KSEM3950SPLM KCMS35	H53
KSEM3975HPGM KC7315	H43
KSEM4000FEGM KCPM45	H55
KSEM4000HPCCLM KC7410	H49, H87
KSEM4000HPGM KC7315	H43
KSEM4000HPGM KCPM45	H46
KSEM4000HPLM KC7320	H51
KSEM4000HPM KC7315	H41
KSEM4000PCM KC7135	H56, H87
KSEM4000SPLM KCMS35	H53
KSEM400R3WD40M	H60
KSEM400R3WD50M	H60
KSEM400R5WD40M	H60
KSEM400R5WD50M	H60
KSEMP10000FDS90A1M	H82, H93, H99
KSEMP10000FDS90B1M	H86, H96
KSEMP10160FDS90A1M	H82, H93, H99
KSEMP10160FDS90B1M	H86, H96
KSEMP1300HPGM KC7315	H87
KSEMP1400HPGM KC7315	H87
KSEMP1500HPGM KC7315	H87
KSEMP1600HPGM KC7315	H87
KSEMP1700HPGM KC7315	H87
KSEMP1800HPGM KC7315	H87
KSEMP1900HPGM KC7315	H87
KSEMP2000HPGM KC7315	H87
KSEMP2100HPGM KC7315	H87
KSEMP2200HPGM KC7315	H87
KSEMP2300HPGM KC7315	H87
KSEMP2400HPGM KC7315	H87
KSEMP2500HPGM KC7315	H87
KSEMP2600HPGM KC7315	H87
KSEMP2700HPGM KC7315	H87
KSEMP2800FDS28A1M	H80, H91, H98
KSEMP2800FDS28B1M	H84, H94
KSEMP2800HPGM KC7315	H87
KSEMP2858FDS28A1M	H80, H91, H98
KSEMP2858FDS28B1M	H84, H94
KSEMP2900FDS28A1M	H80, H91, H98
KSEMP2900FDS28B1M	H84, H94
KSEMP2900HPGM KC7315	H87
KSEMP2937FDS28A1M	H80, H91, H98
KSEMP2937FDS28B1M	H84, H94
KSEMP3000FDS28A1M	H80, H91, H98
KSEMP3000FDS28B1M	H84, H94
KSEMP3000HPGM KC7315	H87
KSEMP3017FDS28A1M	H80, H91, H98
KSEMP3017FDS28B1M	H84, H94
KSEMP3096FDS28A1M	H80, H91, H98
KSEMP3096FDS28B1M	H84, H94
KSEMP3100FDS28A1M	H80, H91, H98
KSEMP3100FDS28B1M	H84, H94
KSEMP3100HPGM KC7315	H87
KSEMP3175FDS32A1M	H80, H91, H98
KSEMP3175FDS32B1M	H84, H94
KSEMP3200FDS32A1M	H80, H91, H98
KSEMP3200FDS32B1M	H84, H94
KSEMP3200HPGM KC7315	H87
KSEMP3300FDS32A1M	H80, H91, H98
KSEMP3300FDS32B1M	H84, H94
KSEMP3300HPGM KC7315	H87
KSEMP3320FDS32A1M	H80, H91, H98
KSEMP3320FDS32B1M	H84, H94
KSEMP3334FDS32A1M	H80, H91, H98
KSEMP3334FDS32B1M	H84, H94
KSEMP3400FDS32A1M	H80, H91, H98
KSEMP3400FDS32B1M	H84, H94
KSEMP3400HPGM KC7315	H87
KSEMP3493FDS32A1M	H80, H91, H98
KSEMP3493FDS32B1M	H84, H94
KSEMP3500FDS32A1M	H80, H91, H98
KSEMP3500FDS32B1M	H84, H94
KSEMP3500HPGM KC7315	H87
KSEMP3600FDS36A1M	H80, H92, H98
KSEMP3600FDS36B1M	H84, H94
KSEMP3600HPGM KC7315	H87
KSEMP3651FDS36A1M	H80, H92, H98
KSEMP3651FDS36B1M	H84, H94
KSEMP3700FDS36A1M	H80, H92, H98
KSEMP3700FDS36B1M	H84, H94
KSEMP3700HPGM KC7315	H87
KSEMP3750FDS36A1M	H80, H92, H98
KSEMP3750FDS36B1M	H84, H94
KSEMP3800FDS36A1M	H80, H92, H98
KSEMP3800FDS36B1M	H84, H95
KSEMP3800HPGM KC7315	H87
KSEMP3810FDS36A1M	H80, H92, H98
KSEMP3810FDS36B1M	H84, H95
KSEMP3900FDS36A1M	H80, H92, H98
KSEMP3900FDS36B1M	H84, H95
KSEMP3900HPGM KC7315	H87
KSEMP3920FDS36A1M	H80, H92, H98
KSEMP3920FDS36B1M	H84, H95
KSEMP3970FDS36A1M	H80, H92, H98
KSEMP3970FDS36B1M	H84, H95
KSEMP4000FDS40A1M	H80, H92, H98
KSEMP4000FDS40B1M	H84, H95
KSEMP4000HPGM KC7315	H87
KSEMP4100FDS40A1M	H80, H92, H98
KSEMP4100FDS40B1M	H84, H95
KSEMP4128FDS40A1M	H80, H92, H98
KSEMP4128FDS40B1M	H84, H95
KSEMP4200FDS40A1M	H80, H92, H98
KSEMP4200FDS40B1M	H84, H95
KSEMP4300FDS40A1M	H80, H92, H98
KSEMP4300FDS40B1M	H84, H95
KSEMP4400FDS40A1M	H80, H92, H98
KSEMP4400FDS40B1M	H84, H95
KSEMP4445FDS40A1M	H80, H92, H98
KSEMP4445FDS40B1M	H84, H95
KSEMP4500FDS45A1M	H81, H92, H98
KSEMP4500FDS45B1M	H85, H95
KSEMP4600FDS45A1M	H81, H92, H98
KSEMP4600FDS45B1M	H85, H95
KSEMP4700FDS45A1M	H81, H92, H98
KSEMP4700FDS45B1M	H85, H95
KSEMP4763FDS45A1M	H81, H92, H98
KSEMP4763FDS45B1M	H85, H95
KSEMP4800FDS45A1M	H81, H92, H98
KSEMP4800FDS45B1M	H85, H95
KSEMP4900FDS45A1M	H81, H92, H98
KSEMP4900FDS45B1M	H85, H95
KSEMP5000FDS50A1M	H81, H92, H98
KSEMP5000FDS50B1M	H85, H95
KSEMP5080FDS50A1M	H81, H92, H98
KSEMP5080FDS50B1M	H85, H95
KSEMP5100FDS50A1M	H81, H92, H98
KSEMP5100FDS50B1M	H85, H95
KSEMP5200FDS50A1M	H81, H92, H98
KSEMP5200FDS50B1M	H85, H95
KSEMP5300FDS50A1M	H81, H92, H98
KSEMP5300FDS50B1M	H85, H95
KSEMP5398FDS50A1M	H81, H92, H98
KSEMP5398FDS50B1M	H85, H95
KSEMP5400FDS50A1M	H81, H92, H98
KSEMP5400FDS50B1M	H85, H95
KSEMP5500FDS50A1M	H81, H92, H98
KSEMP5500FDS50B1M	H85, H95
KSEMP5600FDS56A1M	H81, H92, H98
KSEMP5600FDS56B1M	H85, H95
KSEMP5700FDS56A1M	H81, H92, H98
KSEMP5700FDS56B1M	H85, H95
KSEMP5715FDS56A1M	H81, H92, H98
KSEMP5715FDS56B1M	H85, H95
KSEMP5800FDS56A1M	H81, H92, H98
KSEMP5800FDS56B1M	H85, H95
KSEMP5900FDS56A1M	H81, H92, H98
KSEMP5900FDS56B1M	H85, H95
KSEMP6000FDS56A1M	H81, H92, H98
KSEMP6000FDS56B1M	H85, H95
KSEMP6033FDS56A1M	H81, H92, H98
KSEMP6033FDS56B1M	H85, H95
KSEMP6100FDS56A1M	H81, H92, H98
KSEMP6100FDS56B1M	H85, H95
KSEMP6200FDS56A1M	H81, H92, H98
KSEMP6200FDS56B1M	H85, H95
KSEMP6300FDS63A1M	H81, H92, H98
KSEMP6300FDS63B1M	H85, H95
KSEMP6350FDS63A1M	H81, H92, H99
KSEMP6350FDS63B1M	H85, H95
KSEMP6400FDS63A1M	H81, H92, H99
KSEMP6400FDS63B1M	H85, H95
KSEMP6500FDS63A1M	H81, H92, H99
KSEMP6500FDS63B1M	H85, H95
KSEMP6600FDS63A1M	H81, H92, H99
KSEMP6600FDS63B1M	H85, H95
KSEMP6668FDS63A1M	H81, H92, H99
KSEMP6668FDS63B1M	H85, H95
KSEMP6700FDS63A1M	H81, H92, H99
KSEMP6700FDS63B1M	H85, H95
KSEMP6800FDS63A1M	H81, H92, H99
KSEMP6800FDS63B1M	H85, H95
KSEMP6900FDS63A1M	H81, H92, H99
KSEMP6900FDS63B1M	H85, H95
KSEMP6985FDS63A1M	H81, H92, H99
KSEMP6985FDS63B1M	H85, H95
KSEMP7000FDS63A1M	H81, H92, H99
KSEMP7000FDS63B1M	H85, H95
KSEMP7100FDS71A1M	H82, H92, H99
KSEMP7100FDS71B1M	H86, H95
KSEMP7200FDS71A1M	H82, H92, H99
KSEMP7200FDS71B1M	H86, H95
KSEMP7300FDS71A1M	H82, H92, H99
KSEMP7300FDS71B1M	H86, H95
KSEMP7303FDS71A1M	H82, H92, H99
KSEMP7303FDS71B1M	H86, H95
KSEMP7400FDS71A1M	H82, H92, H99
KSEMP7400FDS71B1M	H86, H95
KSEMP7500FDS71A1M	H82, H92, H99
KSEMP7500FDS71B1M	H86, H95
KSEMP7600FDS71A1M	H82, H93, H99
KSEMP7600FDS71B1M	H86, H95
KSEMP7620FDS71A1M	H82, H93, H99
KSEMP7620FDS71B1M	H86, H95
KSEMP7700FDS71A1M	H82, H93, H99
KSEMP7700FDS71B1M	H86, H95
KSEMP7800FDS71A1M	H82, H93, H99
KSEMP7800FDS71B1M	H86, H95
KSEMP7900FDS71A1M	H82, H93, H99
KSEMP7900FDS71B1M	H86, H96
KSEMP7938FDS80A1M	H82, H93, H99
KSEMP7938FDS80B1M	H86, H96
KSEMP8000FDS80A1M	H82, H93, H99
KSEMP8000FDS80B1M	H86, H96
KSEMP8100FDS80A1M	H82, H93, H99
KSEMP8100FDS80B1M	H86, H96
KSEMP8200FDS80A1M	H82, H93, H99
KSEMP8200FDS80B1M	H86, H96
KSEMP8255FDS80A1M	H82, H93, H99
KSEMP8255FDS80B1M	H86, H96
KSEMP8300FDS80A1M	H82, H93, H99
KSEMP8300FDS80B1M	H86, H96
KSEMP8400FDS80A1M	H82, H93, H99
KSEMP8400FDS80B1M	H86, H96
KSEMP8500FDS80A1M	H82, H93, H99

Index

Catalogue No.	Page(s)
KSEMP8500FDS80B1M	H86, H96
KSEMP8573FDS80A1M	H82, H93, H99
KSEMP8573FDS80B1M	H86, H96
KSEMP8600FDS80A1M	H82, H93, H99
KSEMP8600FDS80B1M	H86, H96
KSEMP8700FDS80A1M	H82, H93, H99
KSEMP8700FDS80B1M	H86, H96
KSEMP8800FDS80A1M	H82, H93, H99
KSEMP8800FDS80B1M	H86, H96
KSEMP8890FDS80A1M	H82, H93, H99
KSEMP8890FDS80B1M	H86, H96
KSEMP8900FDS80A1M	H82, H93, H99
KSEMP8900FDS80B1M	H86, H96
KSEMP9000FDS90A1M	H82, H93, H99
KSEMP9000FDS90B1M	H86, H96
KSEMP9100FDS90A1M	H82, H93, H99
KSEMP9100FDS90B1M	H86, H96
KSEMP9200FDS90A1M	H82, H93, H99
KSEMP9200FDS90B1M	H86, H96
KSEMP9208FDS90A1M	H82, H93, H99
KSEMP9208FDS90B1M	H86, H96
KSEMP9300FDS90A1M	H82, H93, H99
KSEMP9300FDS90B1M	H86, H96
KSEMP9400FDS90A1M	H82, H93, H99
KSEMP9400FDS90B1M	H86, H96
KSEMP9500FDS90A1M	H82, H93, H99
KSEMP9500FDS90B1M	H86, H96
KSEMP9525FDS90A1M	H82, H93, H99
KSEMP9525FDS90B1M	H86, H96
KSEMP9600FDS90A1M	H82, H93, H99
KSEMP9600FDS90B1M	H86, H96
KSEMP9700FDS90A1M	H82, H93, H99
KSEMP9700FDS90B1M	H86, H96
KSEMP9800FDS90A1M	H82, H93, H99
KSEMP9800FDS90B1M	H86, H96
KSEMP9843FDS90A1M	H82, H93, H99
KSEMP9843FDS90B1M	H86, H96
KSEMP9900FDS90A1M	H82, H93, H99
KSEMP9900FDS90B1M	H86, H96
KSHR025D02A20HN06L120	S9
KSHR025D03A20HN06L120	S9
KSHR025D03A25HN06L200	S9
KSHR025D03B20HN06	S8
KSHR025D03M16HN06	S8
KSHR032D03A25HN06L130	S9
KSHR032D03B25HN06	S8
KSHR032D03M16HN06	S8
KSHR032D04A25HN06L130	S9
KSHR032D04B25HN06	S8
KSHR032D04M16HN06	S8
KSHR040A04RS45HN06	S10
KSHR040A04RS60HN06	S14
KSHR040A05RS45HN06	S10
KSHR040A05RS60HN06	S14
KSHR050A04RS45HN06	S10
KSHR050A04RS60HN06	S14
KSHR050A05RS45HN06	S10
KSHR050A05RS60HN06	S14
KSHR050A06RS45HN06	S10
KSHR063A04RS45HN06	S10
KSHR063A04RS60HN06	S14
KSHR063A06RS45HN06	S10
KSHR063A06RS60HN06	S14
KSHR063A08RS45HN06	S10
KSHR080A05RS45HN06	S10
KSHR080A05RS60HN06	S14
KSHR080A08RS45HN06	S10
KSHR080A08RS60HN06	S14
KSHR080A10RS45HN06	S10
KSHR100B05RS45HN13	S25
KSHR100B06RS45HN06	S10
KSHR100B06RS45HN09	S21
KSHR100B06RS60HN06	S14
KSHR100B08RS45HN09	S21
KSHR100B09RS45HN06	S10
KSHR100B09RS60HN06	S14
KSHR100B11RS45HN09	S21
KSHR100B12RS45HN06	S10
KSHR125B06RS45HN13	S25
KSHR125B08RS45HN06	S10
KSHR125B08RS45HN09	S21
KSHR125B08RS60HN06	S14
KSHR125B10RS45HN09	S21
KSHR125B12RS45HN06	S10
KSHR125B12RS60HN06	S14
KSHR125B14RS45HN09	S21
KSHR125B16RS45HN06	S10
KSHR160C09RS45HN13	S25
KSHR160C10RS45HN09	S21
KSHR160C12RS45HN09	S21
KSHR160C16RS45HN09	S21
KSHR200C10RS45HN13	S25
KSHR200C12RS45HN13	S25
KSHR200C16RS45HN09	S21
KSHR250C12RS45HN13	S25
KSHR250C14RS45HN13	S25
KSHR250C20RS45HN09	S21
KSHR315C14RS45HN13	S25
KSHR315C18RS45HN13	S25
KSHR315C24RS45HN09	S21
KSHR40A04RS45HN09	S21
KSHR40D03R50A25SHN09	S20
KSHR40D03R50B25SHN09	S20
KSHR40D04R50A25SHN09	S20
KSHR40D04R50B25SHN09	S20
KSHR50A04RS45HN09	S21
KSHR50A05RS45HN09	S21
KSHR63A05RS45HN09	S21
KSHR63A06RS45HN09	S21
KSHR63A07RS45HN09	S21
KSHR80A04RS45HN13	S25
KSHR80A05RS45HN09	S21
KSHR80A06RS45HN09	S21
KSHR80A09RS45HN09	S21
KSHRHF025D03A20HN06L120	S4
KSHRHF025D03M16HN06	S4
KSHRHF032D03A25HN06L130	S4
KSHRHF032D04M16HN06	S4
KSHRHF040A05RS15HN06	S5
KSHRHF050A05RS15HN06	S5
KSHRHF063A06RS15HN06	S5
KSHRHF080A08RS15HN06	S5
KSHRHF100B08RS15HN09	S17
KSHRHF125B09RS15HN09	S17
KSHRHF160C12RS15HN09	S17
KSHRHF50A04RS15HN09	S17
KSHRHF63A05RS15HN09	S17
KSHRHF80A06RS15HN09	S17
KSOM100R050F07	S53
KSOM100R070F06	S48
KSOM100R080F07	S53
KSOM100R100F06	S48
KSOM125R060F07	S53
KSOM125R080F06	S48
KSOM125R100F07	S53
KSOM125R120F06	S48
KSOM160R070F07	S53
KSOM160R100F06	S48
KSOM160R120F07	S53
KSOM160R160F06	S48
KSOM32R02B200F06	S47
KSOM32R03A200F06	S47
KSOM32R03B200F06	S47
KSOM32R03B250F06	S47
KSOM32Z03A320F06X	S47
KSOM32Z03M160F06X	S46
KSOM40R03B250F06	S47
KSOM40R04B250F06	S47
KSOM40R04B320F06	S47
KSOM40Z04M160F06X	S46
KSOM40Z040F06X	S48
KSOM50R040F06	S48
KSOM50Z060F06X	S48
KSOM63R040F07	S53
KSOM63R050F06	S48
KSOM63R050F07	S53
KSOM63Z070F06X	S48
KSOM80R040F07	S53
KSOM80R060F06	S48
KSOM80R060F07	S53
KSOM80Z090F06X	S48
KSSM87D050Z05SN12	S62
KSSM87D063Z05SN12	S62
KSSM87D063Z07SN12	S62
KSSM87D080Z07SN12	S62
KSSM87D080Z09SN12	S62
KSSM87D100Z08SN12	S62
KSSM87D100Z11SN12	S62
KSSM87D125Z09SN12	S62
KSSM87D125Z14SN12	S62
KSSM87D160Z12SN12	S62
KSSM88D050Z05SN10	S60
KSSM88D050Z06SN10	S60
KSSM88D063Z05SN10	S60
KSSM88D063Z07SN10	S60
KSSM88D080Z07SN10	S60
KSSM88D080Z09SN10	S60
KSSM88D100Z08SN10	S60
KSSM88D100Z11SN10	S60
KST115115AS	K38
KST135155AS	K38
KST175200AS	K38
KST175200RK	K39
KST175CS	K39
KST200CS	K39
KST250250AS	K38
KST250250RK	K39
KST250CS	K39
KST300350AS	K38
KST300350RK	K39
KST300CS	K39
KST350CS	K39
KT15	K72, K85, S144–147, V113–115, V130
KT20	V111–115, V128–130
KT27	K73–74, K84
KT30	V111–114, V129
KT6	V114–115
KT8	K72, V113–115
KT9	S72, S76, S79, S82
KTFS060R01SS08M	H16
KTFS060R03SS08M	H16
KTFS060R05SS08M	H16
KTFS060R08SS08M	H16
KTFS060R12SF12M	H16
KTFS063R01SS08M	H16
KTFS063R03SS08M	H16
KTFS063R05SS08M	H16
KTFS063R08SS08M	H16
KTFS063R12SF12M	H16
KTFS066R01SS08M	H16
KTFS066R03SS08M	H16
KTFS066R05SS08M	H16
KTFS066R08SS08M	H16
KTFS066R12SF12M	H16
KTFS070R01SS08M	H16
KTFS070R03SS08M	H16
KTFS070R05SS08M	H16
KTFS070R08SS08M	H16
KTFS070R12SF12M	H16
KTFS075R01SS08M	H16
KTFS075R03SS08M	H16
KTFS075R05SS08M	H16
KTFS075R08SS08M	H16
KTFS075R12SF12M	H16
KTFS080R01SS10M	H16
KTFS080R03SCF12M	H17
KTFS080R03SS10M	H16
KTFS080R05SCF12M	H17
KTFS080R05SS10M	H16
KTFS080R08SCF12M	H17
KTFS080R08SS10M	H16
KTFS080R12SF12M	H16
KTFS085R01SS10M	H16
KTFS085R03SCF12M	H17
KTFS085R03SS10M	H16
KTFS085R05SCF12M	H17
KTFS085R05SS10M	H16
KTFS085R08SCF12M	H17
KTFS085R08SS10M	H16
KTFS085R12SF12M	H16
KTFS090R01SS10M	H16
KTFS090R03SCF12M	H17
KTFS090R03SS10M	H16
KTFS090R05SCF12M	H17
KTFS090R05SS10M	H16
KTFS090R08SCF12M	H17
KTFS090R08SS10M	H16
KTFS090R12SF12M	H16
KTFS095R01SS10M	H16
KTFS095R03SCF12M	H17
KTFS095R03SS10M	H16
KTFS095R05SCF12M	H17
KTFS095R05SS10M	H16
KTFS095R08SCF12M	H17
KTFS095R08SS10M	H16
KTFS095R12SF12M	H16
KTFS100R01SS12M	H16
KTFS100R03SCF16M	H17
KTFS100R03SS12M	H16
KTFS100R05SCF16M	H17
KTFS100R05SS12M	H16
KTFS100R08SCF16M	H17
KTFS100R08SS12M	H16
KTFS100R12SF16M	H16
KTFS105R01SS12M	H16
KTFS105R03SCF16M	H17
KTFS105R03SS12M	H16
KTFS105R05SCF16M	H17
KTFS105R05SS12M	H16
KTFS105R08SCF16M	H17
KTFS105R08SS12M	H16
KTFS105R12SF16M	H16
KTFS110R01SS12M	H16
KTFS110R03SCF16M	H17
KTFS110R03SS12M	H16
KTFS110R05SCF16M	H17
KTFS110R05SS12M	H16
KTFS110R08SCF16M	H17
KTFS110R08SS12M	H16
KTFS110R12SF16M	H16
KTFS115R01SS12M	H16
KTFS115R03SCF16M	H17
KTFS115R03SS12M	H16
KTFS115R05SCF16M	H17
KTFS115R05SS12M	H16
KTFS115R08SCF16M	H17
KTFS115R08SS12M	H16
KTFS115R12SF16M	H16
KTFS120R01SS14M	H16
KTFS120R03SCF16M	H17
KTFS120R03SS14M	H16
KTFS120R05SCF16M	H17
KTFS120R05SS14M	H16
KTFS120R08SCF16M	H17
KTFS120R08SS14M	H16
KTFS120R12SF16M	H16
KTFS125R01SS14M	H16
KTFS125R03SCF16M	H17
KTFS125R03SS14M	H16
KTFS125R05SCF16M	H17
KTFS125R05SS14M	H16
KTFS125R08SCF16M	H17
KTFS125R08SS14M	H16
KTFS125R12SF16M	H16
KTFS130R01SS14M	H16
KTFS130R03SCF16M	H17
KTFS130R03SS14M	H16
KTFS130R05SCF16M	H17
KTFS130R05SS14M	H16
KTFS130R08SCF16M	H17
KTFS130R08SS14M	H16
KTFS130R12SF16M	H16
KTFS135R01SS14M	H16
KTFS135R03SCF16M	H17
KTFS135R03SS14M	H16
KTFS135R05SCF16M	H17
KTFS135R05SS14M	H16
KTFS135R08SCF16M	H17
KTFS135R08SS14M	H16
KTFS135R12SF16M	H16
KTFS140R01SS16M	H16
KTFS140R03SCF16M	H17
KTFS140R03SS16M	H16
KTFS140R05SCF16M	H17
KTFS140R05SS16M	H16
KTFS140R08SCF16M	H17
KTFS140R08SS16M	H16

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KTFS140R12SF16M	H16
KTFS145R01SS16M	H16
KTFS145R03SCF16M	H17
KTFS145R03SS16M	H16
KTFS145R05SCF16M	H17
KTFS145R05SS16M	H16
KTFS145R08SCF16M	H17
KTFS145R08SS16M	H16
KTFS145R12SF16M	H16
KTFS150R01SS16M	H16
KTFS150R03SCF20M	H17
KTFS150R03SS16M	H16
KTFS150R05SCF20M	H17
KTFS150R05SS16M	H16
KTFS150R08SCF20M	H17
KTFS150R08SS16M	H16
KTFS150R12SF20M	H16
KTFS160R01SS16M	H16
KTFS160R03SCF20M	H17
KTFS160R03SS16M	H16
KTFS160R05SCF20M	H17
KTFS160R05SS16M	H16
KTFS160R08SCF20M	H17
KTFS160R08SS16M	H16
KTFS160R12SF20M	H16
KTFS170R01SS20M	H16
KTFS170R03SCF20M	H17
KTFS170R03SS20M	H16
KTFS170R05SCF20M	H17
KTFS170R05SS20M	H16
KTFS170R08SCF20M	H17
KTFS170R08SS20M	H16
KTFS170R12SF20M	H16
KTFS180R01SS20M	H16
KTFS180R03SCF25M	H17
KTFS180R03SS20M	H16
KTFS180R05SCF25M	H17
KTFS180R05SS20M	H16
KTFS180R08SCF25M	H17
KTFS180R08SS20M	H16
KTFS180R12SF25M	H16
KTFS190R01SS20M	H16
KTFS190R03SCF25M	H17
KTFS190R03SS20M	H16
KTFS190R05SCF25M	H17
KTFS190R05SS20M	H16
KTFS190R08SCF25M	H17
KTFS190R08SS20M	H16
KTFS190R12SF25M	H16
KTFS200R01SCF25M	H17
KTFS200R03SCF25M	H17
KTFS200R05SCF25M	H17
KTFS200R08SCF25M	H17
KTFS200R12SCF25M	H17
KTFS210R01SCF25M	H17
KTFS210R03SCF25M	H17
KTFS210R05SCF25M	H17
KTFS210R08SCF25M	H17
KTFS210R12SCF25M	H17
KTFS220R01SCF25M	H17
KTFS220R03SCF25M	H17
KTFS220R05SCF25M	H17
KTFS220R08SCF25M	H17
KTFS220R12SCF25M	H17
KTFS230R01SCF25M	H17
KTFS230R03SCF25M	H17
KTFS230R05SCF25M	H17
KTFS230R08SCF25M	H17
KTFS230R12SCF25M	H17
KTFS240R01SCF25M	H17
KTFS240R03SCF25M	H17
KTFS240R05SCF25M	H17
KTFS240R08SCF25M	H17
KTFS240R12SCF25M	H17
KTFS250R01SCF25M	H17
KTFS250R03SCF25M	H17
KTFS250R05SCF25M	H17
KTFS250R08SCF25M	H17
KTFS250R12SCF25M	H17
KTFSS06000HPGM KCP15A	H8
KTFSS06100HPGM KCP15A	H8
KTFSS06200HPGM KCP15A	H8
KTFSS06300HPGM KCP15A	H8
KTFSS06350HPGM KCP15A	H8
KTFSS06400HPGM KCP15A	H8
KTFSS06500HPGM KCP15A	H8
KTFSS06530HPGM KCP15A	H8
KTFSS06600HPGM KCP15A	H8
KTFSS06629HPGM KCP15A	H8
KTFSS06700HPGM KCP15A	H8
KTFSS06746HPGM KCP15A	H8
KTFSS06800HPGM KCP15A	H8
KTFSS06900HPGM KCP15A	H8
KTFSS06909HPGM KCP15A	H8
KTFSS07000HPGM KCP15A	H8
KTFSS07100HPGM KCP15A	H8
KTFSS07145HPGM KCP15A	H8
KTFSS07200HPGM KCP15A	H8
KTFSS07366HPGM KCP15A	H8
KTFSS07400HPGM KCP15A	H8
KTFSS07500HPGM KCP15A	H8
KTFSS07541HPGM KCP15A	H8
KTFSS07600HPGM KCP15A	H8
KTFSS07700HPGM KCP15A	H8
KTFSS07800HPGM KCP15A	H8
KTFSS07900HPGM KCP15A	H8
KTFSS07938HPGM KCP15A	H8
KTFSS08000HPGM KCP15A	H8
KTFSS08100HPGM KCP15A	H8
KTFSS08164HPGM KCP15A	H8
KTFSS08204HPGM KCP15A	H8
KTFSS08300HPGM KCP15A	H8
KTFSS08334HPGM KCP15A	H8
KTFSS08400HPGM KCP15A	H8
KTFSS08433HPGM KCP15A	H8
KTFSS08500HPGM KCP15A	H8
KTFSS08600HPGM KCP15A	H8
KTFSS08611HPGM KCP15A	H8
KTFSS08700HPGM KCP15A	H8
KTFSS08733HPGM KCP15A	H8
KTFSS08800HPGM KCP15A	H8
KTFSS08839HPGM KCP15A	H8
KTFSS08900HPGM KCP15A	H8
KTFSS09000HPGM KCP15A	H8
KTFSS09093HPGM KCP15A	H8
KTFSS09100HPGM KCP15A	H8
KTFSS09129HPGM KCP15A	H8
KTFSS09200HPGM KCP15A	H8
KTFSS09300HPGM KCP15A	H8
KTFSS09347HPGM KCP15A	H8
KTFSS09400HPGM KCP15A	H8
KTFSS09500HPGM KCP15A	H8
KTFSS09525HPGM KCP15A	H8
KTFSS09558HPGM KCP15A	H8
KTFSS09600HPGM KCP15A	H8
KTFSS09700HPGM KCP15A	H8
KTFSS09800HPGM KCP15A	H8
KTFSS09900HPGM KCP15A	H8
KTFSS09921HPGM KCP15A	H8
KTFSS10000HPGM KCP15A	H8
KTFSS10023HPGM KCP15A	H8
KTFSS10084HPGM KCP15A	H8
KTFSS10100HPGM KCP15A	H8
KTFSS10200HPGM KCP15A	H8
KTFSS10262HPGM KCP15A	H8
KTFSS10300HPGM KCP15A	H8
KTFSS10320HPGM KCP15A	H8
KTFSS10400HPGM KCP15A	H8
KTFSS10490HPGM KCP15A	H8
KTFSS10500HPGM KCP15A	H8
KTFSS10600HPGM KCP15A	H8
KTFSS10700HPGM KCP15A	H8
KTFSS10716HPGM KCP15A	H8
KTFSS10800HPGM KCP15A	H8
KTFSS10900HPGM KCP15A	H8
KTFSS11000HPGM KCP15A	H8
KTFSS11100HPGM KCP15A	H8
KTFSS11113HPGM KCP15A	H8
KTFSS11200HPGM KCP15A	H8
KTFSS11300HPGM KCP15A	H9
KTFSS11400HPGM KCP15A	H9
KTFSS11500HPGM KCP15A	H9
KTFSS11509HPGM KCP15A	H9
KTFSS11600HPGM KCP15A	H9
KTFSS11700HPGM KCP15A	H9
KTFSS11800HPGM KCP15A	H9
KTFSS11900HPGM KCP15A	H9
KTFSS11908HPGM KCP15A	H9
KTFSS12000HPGM KCP15A	H9
KTFSS12100HPGM KCP15A	H9
KTFSS12200HPGM KCP15A	H9
KTFSS12304HPGM KCP15A	H9
KTFSS12400HPGM KCP15A	H9
KTFSS12474HPGM KCP15A	H9
KTFSS12500HPGM KCP15A	H9
KTFSS12600HPGM KCP15A	H9
KTFSS12700HPGM KCP15A	H9
KTFSS12800HPGM KCP15A	H9
KTFSS12900HPGM KCP15A	H9
KTFSS13000HPGM KCP15A	H9
KTFSS13096HPGM KCP15A	H9
KTFSS13200HPGM KCP15A	H9
KTFSS13280HPGM KCP15A	H9
KTFSS13300HPGM KCP15A	H9
KTFSS13380HPGM KCP15A	H9
KTFSS13400HPGM KCP15A	H9
KTFSS13492HPGM KCP15A	H9
KTFSS13500HPGM KCP15A	H9
KTFSS13600HPGM KCP15A	H9
KTFSS13700HPGM KCP15A	H9
KTFSS13800HPGM KCP15A	H9
KTFSS13891HPGM KCP15A	H9
KTFSS13896HPGM KCP15A	H9
KTFSS13940HPGM KCP15A	H9
KTFSS14000HPGM KCP15A	H9
KTFSS14100HPGM KCP15A	H9
KTFSS14200HPGM KCP15A	H9
KTFSS14288HPGM KCP15A	H9
KTFSS14300HPGM KCP15A	H9
KTFSS14400HPGM KCP15A	H9
KTFSS14500HPGM KCP15A	H9
KTFSS14600HPGM KCP15A	H9
KTFSS14666HPGM KCP15A	H9
KTFSS14684HPGM KCP15A	H9
KTFSS14700HPGM KCP15A	H9
KTFSS14800HPGM KCP15A	H9
KTFSS14900HPGM KCP15A	H9
KTFSS15000HPGM KCP15A	H9
KTFSS15083HPGM KCP15A	H9
KTFSS15100HPGM KCP15A	H9
KTFSS15200HPGM KCP15A	H9
KTFSS15300HPGM KCP15A	H9
KTFSS15380HPGM KCP15A	H9
KTFSS15400HPGM KCP15A	H9
KTFSS15479HPGM KCP15A	H9
KTFSS15500HPGM KCP15A	H9
KTFSS15600HPGM KCP15A	H9
KTFSS15700HPGM KCP15A	H9
KTFSS15800HPGM KCP15A	H9
KTFSS15875HPGM KCP15A	H9
KTFSS15900HPGM KCP15A	H9
KTFSS16000HPGM KCP15A	H9
KTFSS16027HPGM KCP15A	H9
KTFSS16080HPGM KCP15A	H9
KTFSS16100HPGM KCP15A	H9
KTFSS16104HPGM KCP15A	H9
KTFSS16200HPGM KCP15A	H9
KTFSS16271HPGM KCP15A	H9
KTFSS16300HPGM KCP15A	H9
KTFSS16400HPGM KCP15A	H9
KTFSS16500HPGM KCP15A	H9
KTFSS16600HPGM KCP15A	H9
KTFSS16670HPGM KCP15A	H9
KTFSS16700HPGM KCP15A	H9
KTFSS16800HPGM KCP15A	H9
KTFSS16900HPGM KCP15A	H9
KTFSS17000HPGM KCP15A	H9
KTFSS17066HPGM KCP15A	H9
KTFSS17100HPGM KCP15A	H9
KTFSS17200HPGM KCP15A	H9
KTFSS17300HPGM KCP15A	H9
KTFSS17400HPGM KCP15A	H9
KTFSS17463HPGM KCP15A	H9
KTFSS17480HPGM KCP15A	H9
KTFSS17500HPGM KCP15A	H9
KTFSS17600HPGM KCP15A	H9
KTFSS17700HPGM KCP15A	H9
KTFSS17800HPGM KCP15A	H9
KTFSS17859HPGM KCP15A	H9
KTFSS17900HPGM KCP15A	H9
KTFSS18000HPGM KCP15A	H9
KTFSS18100HPGM KCP15A	H9
KTFSS18200HPGM KCP15A	H9
KTFSS18258HPGM KCP15A	H9
KTFSS18300HPGM KCP15A	H9
KTFSS18400HPGM KCP15A	H9
KTFSS18500HPGM KCP15A	H9
KTFSS18600HPGM KCP15A	H9
KTFSS18654HPGM KCP15A	H9
KTFSS18700HPGM KCP15A	H9
KTFSS18800HPGM KCP15A	H9
KTFSS18900HPGM KCP15A	H9
KTFSS19000HPGM KCP15A	H9
KTFSS19050HPGM KCP15A	H9
KTFSS19100HPGM KCP15A	H9
KTFSS19200HPGM KCP15A	H9
KTFSS19228HPGM KCP15A	H9
KTFSS19253HPGM KCP15A	H9
KTFSS19279HPGM KCP15A	H9
KTFSS19300HPGM KCP15A	H9
KTFSS19355HPGM KCP15A	H9
KTFSS19400HPGM KCP15A	H10
KTFSS19446HPGM KCP15A	H10
KTFSS19460HPGM KCP15A	H10
KTFSS19500HPGM KCP15A	H10
KTFSS19600HPGM KCP15A	H10
KTFSS19700HPGM KCP15A	H10
KTFSS19800HPGM KCP15A	H10
KTFSS19845HPGM KCP15A	H10
KTFSS19900HPGM KCP15A	H10
KTFSS20000HPGM KCP15A	H10
KTFSS20100HPGM KCP15A	H10
KTFSS20200HPGM KCP15A	H10
KTFSS20241HPGM KCP15A	H10
KTFSS20300HPGM KCP15A	H10
KTFSS20500HPGM KCP15A	H10
KTFSS20600HPGM KCP15A	H10
KTFSS20638HPGM KCP15A	H10
KTFSS20700HPGM KCP15A	H10
KTFSS20800HPGM KCP15A	H10
KTFSS20900HPGM KCP15A	H10
KTFSS20990HPGM KCP15A	H10
KTFSS21000HPGM KCP15A	H10
KTFSS21100HPGM KCP15A	H10
KTFSS21200HPGM KCP15A	H10
KTFSS21300HPGM KCP15A	H10
KTFSS21400HPGM KCP15A	H10
KTFSS21433HPGM KCP15A	H10
KTFSS21500HPGM KCP15A	H10
KTFSS21700HPGM KCP15A	H10
KTFSS21800HPGM KCP15A	H10
KTFSS21829HPGM KCP15A	H10
KTFSS21900HPGM KCP15A	H10
KTFSS22000HPGM KCP15A	H10
KTFSS22100HPGM KCP15A	H10
KTFSS22200HPGM KCP15A	H10
KTFSS22225HPGM KCP15A	H10
KTFSS22400HPGM KCP15A	H10
KTFSS22500HPGM KCP15A	H10
KTFSS22600HPGM KCP15A	H10
KTFSS22700HPGM KCP15A	H10
KTFSS22800HPGM KCP15A	H10
KTFSS22900HPGM KCP15A	H10
KTFSS23000HPGM KCP15A	H10
KTFSS23100HPGM KCP15A	H10
KTFSS23200HPGM KCP15A	H10
KTFSS23300HPGM KCP15A	H10
KTFSS23400HPGM KCP15A	H10
KTFSS23416HPGM KCP15A	H10
KTFSS23500HPGM KCP15A	H10
KTFSS23600HPGM KCP15A	H10
KTFSS23700HPGM KCP15A	H10
KTFSS23800HPGM KCP15A	H10
KTFSS23813HPGM KCP15A	H10
KTFSS23900HPGM KCP15A	H10
KTFSS24000HPGM KCP15A	H10
KTFSS24100HPGM KCP15A	H10
KTFSS24200HPGM KCP15A	H10

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KTFSS24300HPGM KCP15A	H10
KTFSS24400HPGM KCP15A	H10
KTFSS24500HPGM KCP15A	H10
KTFSS24600HPGM KCP15A	H10
KTFSS24608HPGM KCP15A	H10
KTFSS24700HPGM KCP15A	H10
KTFSS24800HPGM KCP15A	H10
KTFSS24900HPGM KCP15A	H10
KTFSS25000HPGM KCP15A	H10
KTFSS25100HPGM KCP15A	H10
KTFSS25200HPGM KCP15A	H10
KTFSS25250HPGM KCP15A	H10
KTFSS25300HPGM KCP15A	H10
KTFSS25400HPGM KCP15A	H10
KTFSS25500HPGM KCP15A	H10
KTFSS25540HPGM KCP15A	H10
KTFSS25600HPGM KCP15A	H10
KTFSS25679HPGM KCP15A	H10
KTFSS25700HPGM KCP15A	H10
KTFSS25800HPGM KCP15A	H10
KTFSS25806HPGM KCP15A	H10
KTFSS25900HPGM KCP15A	H10
KTFSS26000HPGM KCP15A	H10
KTFST06000HPCM KC7410	H12
KTFST06000HPLM KCMS15	H14
KTFST06200HPCM KC7410	H12
KTFST06350HPCM KC7410	H12
KTFST06350HPLM KCMS15	H14
KTFST06500HPCM KC7410	H12
KTFST06500HPLM KCMS15	H14
KTFST06530HPCM KC7410	H12
KTFST06629HPLM KCMS15	H14
KTFST06700HPCM KC7410	H12
KTFST06746HPCM KC7410	H12
KTFST06800HPCM KC7410	H12
KTFST06800HPLM KCMS15	H14
KTFST07000HPCM KC7410	H12
KTFST07000HPLM KCMS15	H14
KTFST07145HPCM KC7410	H12
KTFST07300HPCM KC7410	H12
KTFST07500HPCM KC7410	H12
KTFST07500HPLM KCMS15	H14
KTFST07600HPCM KC7410	H12
KTFST07800HPCM KC7410	H12
KTFST07800HPLM KCMS15	H14
KTFST07938HPCM KC7410	H12
KTFST07938HPLM KCMS15	H14
KTFST08000HPCM KC7410	H12
KTFST08000HPLM KCMS15	H14
KTFST08100HPCM KC7410	H12
KTFST08100HPLM KCMS15	H14
KTFST08204HPCM KC7410	H12
KTFST08204HPLM KCMS15	H14
KTFST08334HPLM KCMS15	H14
KTFST08400HPLM KCMS15	H14
KTFST08500HPCM KC7410	H12
KTFST08500HPLM KCMS15	H14
KTFST08600HPCM KC7410	H12
KTFST08600HPLM KCMS15	H14
KTFST08700HPCM KC7410	H12
KTFST08700HPLM KCMS15	H14
KTFST08733HPCM KC7410	H12
KTFST08800HPLM KCMS15	H14
KTFST08900HPLM KCMS15	H14
KTFST09000HPCM KC7410	H12
KTFST09000HPLM KCMS15	H14
KTFST09100HPCM KC7410	H12
KTFST09100HPLM KCMS15	H14
KTFST09200HPLM KCMS15	H14
KTFST09400HPLM KCMS15	H14
KTFST09500HPCM KC7410	H12
KTFST09500HPLM KCMS15	H14
KTFST09525HPCM KC7410	H12
KTFST09558HPLM KCMS15	H14
KTFST09600HPCM KC7410	H12
KTFST09600HPLM KCMS15	H14
KTFST09700HPCM KC7410	H12
KTFST09700HPLM KCMS15	H14
KTFST09800HPCM KC7410	H12
KTFST09800HPLM KCMS15	H14
KTFST09900HPLM KCMS15	H14
KTFST09921HPCM KC7410	H12
KTFST10000HPCM KC7410	H12
KTFST10000HPLM KCMS15	H14
KTFST10023HPCM KC7410	H12
KTFST10100HPLM KCMS15	H14
KTFST10200HPCM KC7410	H12
KTFST10200HPLM KCMS15	H14
KTFST10300HPCM KC7410	H12
KTFST10300HPLM KCMS15	H14
KTFST10320HPCM KC7410	H12
KTFST10320HPLM KCMS15	H14
KTFST10400HPLM KCMS15	H14
KTFST10500HPCM KC7410	H12
KTFST10500HPLM KCMS15	H14
KTFST10600HPCM KC7410	H12
KTFST10600HPLM KCMS15	H14
KTFST10700HPCM KC7410	H12
KTFST10700HPLM KCMS15	H14
KTFST10716HPCM KC7410	H12
KTFST10800HPCM KC7410	H12
KTFST10800HPLM KCMS15	H14
KTFST10900HPLM KCMS15	H14
KTFST11000HPCM KC7410	H12
KTFST11000HPLM KCMS15	H14
KTFST11100HPCM KC7410	H12
KTFST11100HPLM KCMS15	H14
KTFST11113HPCM KC7410	H12
KTFST11113HPLM KCMS15	H14
KTFST11200HPLM KCMS15	H14
KTFST11400HPCM KC7410	H12
KTFST11400HPLM KCMS15	H14
KTFST11500HPCM KC7410	H12
KTFST11500HPLM KCMS15	H14
KTFST11600HPLM KCMS15	H14
KTFST11800HPCM KC7410	H12
KTFST11800HPLM KCMS15	H14
KTFST11908HPCM KC7410	H12
KTFST11908HPLM KCMS15	H14
KTFST12000HPCM KC7410	H12
KTFST12000HPLM KCMS15	H14
KTFST12200HPLM KCMS15	H14
KTFST12304HPCM KC7410	H12
KTFST12304HPLM KCMS15	H14
KTFST12500HPCM KC7410	H12
KTFST12500HPLM KCMS15	H14
KTFST12700HPCM KC7410	H12
KTFST12700HPLM KCMS15	H14
KTFST12800HPLM KCMS15	H14
KTFST12900HPLM KCMS15	H14
KTFST13000HPCM KC7410	H12
KTFST13000HPLM KCMS15	H14
KTFST13096HPCM KC7410	H12
KTFST13096HPLM KCMS15	H14
KTFST13200HPCM KC7410	H12
KTFST13200HPLM KCMS15	H14
KTFST13300HPCM KC7410	H12
KTFST13492HPCM KC7410	H12
KTFST13492HPLM KCMS15	H14
KTFST13500HPCM KC7410	H12
KTFST13500HPLM KCMS15	H14
KTFST13600HPCM KC7410	H12
KTFST13800HPCM KC7410	H12
KTFST13800HPLM KCMS15	H14
KTFST13891HPCM KC7410	H12
KTFST13891HPLM KCMS15	H14
KTFST13896HPLM KCMS15	H14
KTFST14000HPCM KC7410	H12
KTFST14000HPLM KCMS15	H14
KTFST14100HPCM KC7410	H12
KTFST14100HPLM KCMS15	H14
KTFST14200HPLM KCMS15	H14
KTFST14288HPCM KC7410	H12
KTFST14288HPLM KCMS15	H14
KTFST14300HPLM KCMS15	H14
KTFST14400HPLM KCMS15	H14
KTFST14500HPCM KC7410	H12
KTFST14500HPLM KCMS15	H14
KTFST14600HPCM KC7410	H12
KTFST14684HPCM KC7410	H12
KTFST14684HPLM KCMS15	H14
KTFST14800HPCM KC7410	H12
KTFST14800HPLM KCMS15	H15
KTFST15000HPCM KC7410	H12
KTFST15000HPLM KCMS15	H15
KTFST15083HPCM KC7410	H12
KTFST15100HPCM KC7410	H12
KTFST15100HPLM KCMS15	H15
KTFST15200HPCM KC7410	H12
KTFST15200HPLM KCMS15	H15
KTFST15300HPCM KC7410	H12
KTFST15500HPCM KC7410	H13
KTFST15500HPLM KCMS15	H15
KTFST15600HPCM KC7410	H13
KTFST15800HPCM KC7410	H13
KTFST15875HPCM KC7410	H13
KTFST15875HPLM KCMS15	H15
KTFST16000HPCM KC7410	H13
KTFST16000HPLM KCMS15	H15
KTFST16100HPCM KC7410	H13
KTFST16100HPLM KCMS15	H15
KTFST16104HPCM KC7410	H13
KTFST16104HPLM KCMS15	H15
KTFST16150HPLM KCMS15	H15
KTFST16200HPCM KC7410	H13
KTFST16271HPCM KC7410	H13
KTFST16271HPLM KCMS15	H15
KTFST16300HPCM KC7410	H13
KTFST16500HPCM KC7410	H13
KTFST16500HPLM KCMS15	H15
KTFST16550HPCM KC7410	H13
KTFST16600HPCM KC7410	H13
KTFST16670HPCM KC7410	H13
KTFST16670HPLM KCMS15	H15
KTFST17000HPCM KC7410	H13
KTFST17000HPLM KCMS15	H15
KTFST17066HPCM KC7410	H13
KTFST17100HPCM KC7410	H13
KTFST17200HPCM KC7410	H13
KTFST17300HPCM KC7410	H13
KTFST17463HPCM KC7410	H13
KTFST17463HPLM KCMS15	H15
KTFST17480HPLM KCMS15	H15
KTFST17500HPCM KC7410	H13
KTFST17500HPLM KCMS15	H15
KTFST17550HPCM KC7410	H13
KTFST17600HPCM KC7410	H13
KTFST17700HPCM KC7410	H13
KTFST17700HPLM KCMS15	H15
KTFST17800HPCM KC7410	H13
KTFST18000HPCM KC7410	H13
KTFST18000HPLM KCMS15	H15
KTFST18100HPCM KC7410	H13
KTFST18258HPCM KC7410	H13
KTFST18258HPLM KCMS15	H15
KTFST18500HPCM KC7410	H13
KTFST18500HPLM KCMS15	H15
KTFST18600HPCM KC7410	H13
KTFST18654HPLM KCMS15	H15
KTFST18700HPCM KC7410	H13
KTFST19000HPCM KC7410	H13
KTFST19000HPLM KCMS15	H15
KTFST19050HPCM KC7410	H13
KTFST19050HPLM KCMS15	H15
KTFST19200HPLM KCMS15	H15
KTFST19228HPLM KCMS15	H15
KTFST19253HPLM KCMS15	H15
KTFST19279HPCM KC7410	H13
KTFST19279HPLM KCMS15	H15
KTFST19355HPLM KCMS15	H15
KTFST19446HPCM KC7410	H13
KTFST19446HPLM KCMS15	H15
KTFST19460HPLM KCMS15	H15
KTFST19500HPCM KC7410	H13
KTFST19500HPLM KCMS15	H15
KTFST19800HPCM KC7410	H13
KTFST19845HPLM KCMS15	H15
KTFST19850HPLM KCMS15	H15
KTFST20000HPCM KC7410	H13
KTFST20000HPLM KCMS15	H15
KTFST20241HPCM KC7410	H13
KTFST20300HPCM KC7410	H13
KTFST20500HPCM KC7410	H13
KTFST20500HPLM KCMS15	H15
KTFST20638HPCM KC7410	H13
KTFST20638HPLM KCMS15	H15
KTFST21000HPCM KC7410	H13
KTFST21000HPLM KCMS15	H15
KTFST21150HPLM KCMS15	H15
KTFST21433HPCM KC7410	H13
KTFST21500HPCM KC7410	H13
KTFST21500HPLM KCMS15	H15
KTFST22000HPCM KC7410	H13
KTFST22000HPLM KCMS15	H15
KTFST22225HPCM KC7410	H13
KTFST22225HPLM KCMS15	H15
KTFST22440HPCM KC7410	H13
KTFST22500HPCM KC7410	H13
KTFST22500HPLM KCMS15	H15
KTFST23000HPCM KC7410	H13
KTFST23000HPLM KCMS15	H15
KTFST23416HPCM KC7410	H13
KTFST23500HPCM KC7410	H13
KTFST23500HPLM KCMS15	H15
KTFST23813HPCM KC7410	H13
KTFST23813HPLM KCMS15	H15
KTFST24000HPCM KC7410	H13
KTFST24000HPLM KCMS15	H15
KTFST24500HPCM KC7410	H13
KTFST24500HPLM KCMS15	H15
KTFST24608HPCM KC7410	H13
KTFST25000HPCM KC7410	H13
KTFST25000HPLM KCMS15	H15
KTFST25070HPCM KC7410	H13
KTFST25400HPCM KC7410	H13
KTFST25400HPLM KCMS15	H15
KTFST25500HPCM KC7410	H13
KTFST25500HPLM KCMS15	H15
KTFST25600HPLM KCMS15	H15
KTFST25650HPLM KCMS15	H15
KTFST25679HPCM KC7410	H13
KTFST25679HPLM KCMS15	H15
KTFST25806HPCM KC7410	H13
KTFST25806HPLM KCMS15	H15
KTFST26000HPCM KC7410	H13
KTFST26000HPLM KCMS15	H15
KTIP0794FEGM KCPM45	H29
KTIP0794HPM KCP15	H26
KTIP0800FEGM KCPM45	H29
KTIP0800HPM KCP15	H26
KTIP080R12SS10M	H31
KTIP080R1SCF12M	H32
KTIP080R1SS10M	H31
KTIP080R3BF08M	I11
KTIP080R3BF09M	I11
KTIP080R3SCF12M	H32
KTIP080R3SS10M	H31
KTIP080R4BF09M	I12
KTIP080R5BF09M	I13
KTIP080R5SCF12M	H32
KTIP080R5SS10M	H31
KTIP080R8SCF12M	H32
KTIP080R8SS10M	H31
KTIP0810HPM KCP15	H26
KTIP0816HPM KCP15	H26
KTIP0820HPM KCP15	H26
KTIP0830HPM KCP15	H26
KTIP0833HPM KCP15	H26
KTIP0840HPM KCP15	H26
KTIP0843HPM KCP15	H26
KTIP0850FEGM KCPM45	H29
KTIP0850HPM KCP15	H26
KTIP0852FEGM KCPM45	H29
KTIP085R12SS10M	H31
KTIP085R1SCF12M	H32
KTIP085R1SS10M	H31
KTIP085R3BF09M	I11
KTIP085R3SCF12M	H32
KTIP085R3SS10M	H31
KTIP085R4BF09M	I12
KTIP085R5BF09M	I13
KTIP085R5SCF12M	H32
KTIP085R5SS10M	H31
KTIP085R8SCF12M	H32
KTIP085R8SS10M	H31
KTIP0860HPM KCP15	H26
KTIP0861HPM KCP15	H26
KTIP0870HPM KCP15	H26

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KTIP0873HPM KCP15	H26
KTIP0880HPM KCP15	H26
KTIP0884HPM KCP15	H26
KTIP0890HPM KCP15	H26
KTIP0900FEGM KCPM45	H29
KTIP0900HPM KCP15	H26
KTIP0909HPM KCP15	H26
KTIP090R12SS10M	H31
KTIP090R1SCF12M	H32
KTIP090R1SS10M	H31
KTIP090R3BF09M	I11
KTIP090R3BF10M	I11
KTIP090R3SCF12M	H32
KTIP090R3SS10M	H31
KTIP090R4BF10M	I12
KTIP090R5BF10M	I13
KTIP090R5SCF12M	H32
KTIP090R5SS10M	H31
KTIP090R8SCF12M	H32
KTIP090R8SS10M	H31
KTIP0910HPM KCP15	H26
KTIP0913FEGM KCPM45	H29
KTIP0913HPM KCP15	H26
KTIP0920HPM KCP15	H26
KTIP0930HPM KCP15	H26
KTIP0935HPM KCP15	H26
KTIP0940HPM KCP15	H26
KTIP0950FEGM KCPM45	H29
KTIP0950HPM KCP15	H26
KTIP0953HPM KCP15	H26
KTIP0956HPM KCP15	H26
KTIP0958HPM KCP15	H26
KTIP095R12SS10M	H31
KTIP095R1SCF12M	H32
KTIP095R1SS10M	H31
KTIP095R3BF10M	I11
KTIP095R3SCF12M	H32
KTIP095R3SS10M	H31
KTIP095R4BF10M	I12
KTIP095R5BF10M	I13
KTIP095R5SCF12M	H32
KTIP095R5SS10M	H31
KTIP095R8SCF12M	H32
KTIP095R8SS10M	H31
KTIP0960HPM KCP15	H26
KTIP0970HPM KCP15	H26
KTIP0980HPM KCP15	H26
KTIP0983HPM KCP15	H26
KTIP0990HPM KCP15	H26
KTIP0992HPM KCP15	H26
KTIP1000FEGM KCPM45	H29
KTIP1000HPM KCP15	H26
KTIP1002HPM KCP15	H26
KTIP1008HPM KCP15	H26
KTIP100R12SS12M	H31
KTIP100R1SCF16M	H32
KTIP100R1SS12M	H31
KTIP100R3BF10M	I11
KTIP100R3BF11M	I11
KTIP100R3SCF16M	H32
KTIP100R3SS12M	H31
KTIP100R4BF11M	I12
KTIP100R5BF11M	I13
KTIP100R5SCF16M	H32
KTIP100R5SS12M	H31
KTIP100R8SCF16M	H32
KTIP100R8SS12M	H31
KTIP1010FEGM KCPM45	H29
KTIP1010HPM KCP15	H26
KTIP1020HPM KCP15	H26
KTIP1026HPM KCP15	H26
KTIP1030HPM KCP15	H26
KTIP1032HPM KCP15	H26
KTIP1040HPM KCP15	H26
KTIP1049HPM KCP15	H26
KTIP1050FEGM KCPM45	H29
KTIP1050HPM KCP15	H26
KTIP105R12SS12M	H31
KTIP105R1SCF16M	H32
KTIP105R1SS12M	H31
KTIP105R3BF11M	I11
KTIP105R3SCF16M	H32
KTIP105R3SS12M	H31
KTIP105R4BF11M	I12
KTIP105R5BF11M	I13
KTIP105R5SCF16M	H32
KTIP105R5SS12M	H31
KTIP105R8SCF16M	H32
KTIP105R8SS12M	H31
KTIP1060HPM KCP15	H26
KTIP1070HPM KCP15	H26
KTIP1072HPM KCP15	H26
KTIP1080FEGM KCPM45	H29
KTIP1080HPM KCP15	H26
KTIP1090HPM KCP15	H26
KTIP1100FEGM KCPM45	H29
KTIP1100HPM KCP15	H26
KTIP110R12SS12M	H31
KTIP110R1SCF16M	H32
KTIP110R1SS12M	H31
KTIP110R3BF11M	I11
KTIP110R3BF12M	I11
KTIP110R3SCF16M	H32
KTIP110R3SS12M	H31
KTIP110R4BF12M	I12
KTIP110R5BF12M	I13
KTIP110R5SCF16M	H32
KTIP110R5SS12M	H31
KTIP110R8SCF16M	H32
KTIP110R8SS12M	H31
KTIP1110HPM KCP15	H26
KTIP1111HPM KCP15	H26
KTIP1120HPM KCP15	H26
KTIP1130HPM KCP15	H26
KTIP1140HPM KCP15	H26
KTIP1150FEGM KCPM45	H29
KTIP1150HPM KCP15	H26
KTIP1151HPM KCP15	H26
KTIP115R12SS12M	H31
KTIP115R1SCF16M	H32
KTIP115R1SS12M	H31
KTIP115R3BF12M	I11
KTIP115R3SCF16M	H32
KTIP115R3SS12M	H31
KTIP115R4BF12M	I12
KTIP115R5BF12M	I13
KTIP115R5SCF16M	H32
KTIP115R5SS12M	H31
KTIP115R8SCF16M	H32
KTIP115R8SS12M	H31
KTIP1160HPM KCP15	H26
KTIP1161HPM KCP15	H26
KTIP1170FEGM KCPM45	H29
KTIP1170HPM KCP15	H26
KTIP1180HPM KCP15	H26
KTIP1190HPM KCP15	H26
KTIP1191HPM KCP15	H27
KTIP1200FEGM KCPM45	H29
KTIP1200HPM KCP15	H27
KTIP120R12SS14M	H31
KTIP120R1SCF16M	H32
KTIP120R1SS14M	H31
KTIP120R3BF12M	I11
KTIP120R3BF13M	I11
KTIP120R3SCF16M	H32
KTIP120R3SS14M	H31
KTIP120R4BF13M	I12
KTIP120R5BF13M	I13
KTIP120R5SCF16M	H32
KTIP120R5SS14M	H31
KTIP120R8SCF16M	H32
KTIP120R8SS14M	H31
KTIP1210HPM KCP15	H27
KTIP1220HPM KCP15	H27
KTIP1230HPM KCP15	H27
KTIP1240HPM KCP15	H27
KTIP1247HPM KCP15	H27
KTIP1250FEGM KCPM45	H29
KTIP1250HPM KCP15	H27
KTIP125R12SS14M	H31
KTIP125R1SCF16M	H32
KTIP125R1SS14M	H31
KTIP125R3BF13M	I11
KTIP125R3SCF16M	H32
KTIP125R3SS14M	H31
KTIP125R4BF13M	I12
KTIP125R5BF13M	I13
KTIP125R5SCF16M	H32
KTIP125R5SS14M	H31
KTIP125R8SCF16M	H32
KTIP125R8SS14M	H31
KTIP1260HPM KCP15	H27
KTIP1270FEGM KCPM45	H29
KTIP1270HPM KCP15	H27
KTIP1280HPM KCP15	H27
KTIP1290HPM KCP15	H27
KTIP1300FEGM KCPM45	H29
KTIP1300HPM KCP15	H27
KTIP130R12SS14M	H31
KTIP130R1SCF16M	H32
KTIP130R1SS14M	H31
KTIP130R3BF13M	I11
KTIP130R3BF14M	I11
KTIP130R3SCF16M	H32
KTIP130R3SS14M	H31
KTIP130R4BF14M	I12
KTIP130R5BF14M	I13
KTIP130R5SCF16M	H32
KTIP130R5SS14M	H31
KTIP130R8SCF16M	H32
KTIP130R8SS14M	H31
KTIP1310HPM KCP15	H27
KTIP1320HPM KCP15	H27
KTIP1328HPM KCP15	H27
KTIP1330HPM KCP15	H27
KTIP1338HPM KCP15	H27
KTIP1340HPM KCP15	H27
KTIP1349HPM KCP15	H27
KTIP1350FEGM KCPM45	H29
KTIP1350HPM KCP15	H27
KTIP135R12SS14M	H31
KTIP135R1SCF16M	H32
KTIP135R1SS14M	H31
KTIP135R3BF14M	I11
KTIP135R3SCF16M	H32
KTIP135R3SS14M	H31
KTIP135R4BF14M	I12
KTIP135R5BF14M	I13
KTIP135R5SCF16M	H32
KTIP135R5SS14M	H31
KTIP135R8SCF16M	H32
KTIP135R8SS14M	H31
KTIP1360HPM KCP15	H27
KTIP1370HPM KCP15	H27
KTIP1380HPM KCP15	H27
KTIP1389HPM KCP15	H27
KTIP1390HPM KCP15	H27
KTIP1394HPM KCP15	H27
KTIP1400FEGM KCPM45	H29
KTIP1400HPM KCP15	H27
KTIP140R12SS16M	H31
KTIP140R1SCF16M	H32
KTIP140R1SS16M	H31
KTIP140R3BF14M	I11
KTIP140R3BF15M	I11
KTIP140R3SCF16M	H32
KTIP140R3SS16M	H31
KTIP140R4BF15M	I12
KTIP140R5BF15M	I13
KTIP140R5SCF16M	H32
KTIP140R5SS16M	H31
KTIP140R8SCF16M	H32
KTIP140R8SS16M	H31
KTIP1410HPM KCP15	H27
KTIP1420HPM KCP15	H27
KTIP1429HPM KCP15	H27
KTIP1430HPM KCP15	H27
KTIP1440HPM KCP15	H27
KTIP1450FEGM KCPM45	H29
KTIP1450HPM KCP15	H27
KTIP145R12SS16M	H31
KTIP145R1SCF16M	H32
KTIP145R1SS16M	H31
KTIP145R3BF15M	I11
KTIP145R3SCF16M	H32
KTIP145R3SS16M	H31
KTIP145R4BF15M	I12
KTIP145R5BF15M	I13
KTIP145R5SCF16M	H32
KTIP145R5SS16M	H31
KTIP145R8SCF16M	H32
KTIP145R8SS16M	H31
KTIP1460HPM KCP15	H27
KTIP1467HPM KCP15	H27
KTIP1468HPM KCP15	H27
KTIP1470HPM KCP15	H27
KTIP1480HPM KCP15	H27
KTIP1490FEGM KCPM45	H29
KTIP1490HPM KCP15	H27
KTIP1500FEGM KCPM45	H29
KTIP1500HPM KCP15	H27
KTIP1508HPM KCP15	H27
KTIP150R12SS16M	H31
KTIP150R1SCF20M	H32
KTIP150R1SS16M	H31
KTIP150R3BF15M	I11
KTIP150R3BF16M	I11
KTIP150R3SCF20M	H32
KTIP150R3SS16M	H31
KTIP150R4BF16M	I12
KTIP150R5BF16M	I13
KTIP150R5SCF20M	H32
KTIP150R5SS16M	H31
KTIP150R8SCF20M	H32
KTIP150R8SS16M	H31
KTIP1510HPM KCP15	H27
KTIP1520HPM KCP15	H27
KTIP1530HPM KCP15	H27
KTIP1538HPM KCP15	H27
KTIP1540HPM KCP15	H27
KTIP1548HPM KCP15	H27
KTIP1550FEGM KCPM45	H29
KTIP1550HPM KCP15	H27
KTIP1560HPM KCP15	H27
KTIP1570HPM KCP15	H27
KTIP1580HPM KCP15	H27
KTIP1588HPM KCP15	H27
KTIP1595FEGM KCPM45	H29
KTIP1600FEGM KCPM45	H29
KTIP1600HPM KCP15	H27
KTIP1603HPM KCP15	H27
KTIP1608HPM KCP15	H27
KTIP160R12SS18M	H31
KTIP160R1SCF20M	H32
KTIP160R1SS18M	H31
KTIP160R3BF16M	I11
KTIP160R3BF17M	I11
KTIP160R3SCF20M	H32
KTIP160R3SS18M	H31
KTIP160R4BF17M	I12
KTIP160R5BF17M	I13
KTIP160R5SCF20M	H32
KTIP160R5SS18M	H31
KTIP160R8SCF20M	H32
KTIP160R8SS18M	H31
KTIP1610HPM KCP15	H27
KTIP1620HPM KCP15	H27
KTIP1627HPM KCP15	H27
KTIP1630HPM KCP15	H27
KTIP1640HPM KCP15	H27
KTIP1650FEGM KCPM45	H29
KTIP1650HPM KCP15	H27
KTIP1660HPM KCP15	H27
KTIP1667HPM KCP15	H27
KTIP1670HPM KCP15	H27
KTIP1680HPM KCP15	H27
KTIP1690HPM KCP15	H27
KTIP1700FEGM KCPM45	H29
KTIP1700HPM KCP15	H27
KTIP1707HPM KCP15	H27
KTIP170R12SS18M	H31
KTIP170R1SCF20M	H32
KTIP170R1SS18M	H31
KTIP170R3BF17M	I11
KTIP170R3BF18M	I11
KTIP170R3SCF20M	H32
KTIP170R3SS18M	H31
KTIP170R4BF18M	I12

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
KTIP170R5BF18M	I13
KTIP170R5SCF20M	H32
KTIP170R5SS18M	H31
KTIP170R8SCF20M	H32
KTIP170R8SS18M	H31
KTIP1710HPM KCP15	H27
KTIP1720HPM KCP15	H27
KTIP1730HPM KCP15	H27
KTIP1740HPM KCP15	H27
KTIP1748HPM KCP15	H27
KTIP1750FEGM KCPM45	H29
KTIP1750HPM KCP15	H27
KTIP1760HPM KCP15	H27
KTIP1770FEGM KCPM45	H29
KTIP1770HPM KCP15	H27
KTIP1780HPM KCP15	H27
KTIP1786HPM KCP15	H27
KTIP1790HPM KCP15	H27
KTIP1800FEGM KCPM45	H29
KTIP1800HPM KCP15	H27
KTIP180R12SS20M	H31
KTIP180R1SCF25M	H32
KTIP180R1SS20M	H31
KTIP180R3BF18M	I11
KTIP180R3SCF25M	H32
KTIP180R3SS20M	H31
KTIP180R4BF18M	I12
KTIP180R5BF18M	I13
KTIP180R5SCF25M	H32
KTIP180R5SS20M	H31
KTIP180R8SCF25M	H32
KTIP180R8SS20M	H31
KTIP1810HPM KCP15	H27
KTIP1820HPM KCP15	H27
KTIP1826HPM KCP15	H27
KTIP1830HPM KCP15	H27
KTIP1840HPM KCP15	H27
KTIP1850FEGM KCPM45	H29
KTIP1850HPM KCP15	H27
KTIP1860HPM KCP15	H27
KTIP1865HPM KCP15	H27
KTIP1870HPM KCP15	H27
KTIP1880HPM KCP15	H27
KTIP1890HPM KCP15	H27
KTIP1900FEGM KCPM45	H29
KTIP1900HPM KCP15	H27
KTIP1905FEGM KCPM45	H29
KTIP1905HPM KCP15	H27
KTIP190R12SS20M	H31
KTIP190R1SCF25M	H32
KTIP190R1SS20M	H31
KTIP190R3SCF25M	H32
KTIP190R3SS20M	H31
KTIP190R5SCF25M	H32
KTIP190R5SS20M	H31
KTIP190R8SCF25M	H32
KTIP190R8SS20M	H31
KTIP1910HPM KCP15	H27
KTIP1920HPM KCP15	H27
KTIP1923HPM KCP15	H27
KTIP1925HPM KCP15	H27
KTIP1930HPM KCP15	H27
KTIP1935HPM KCP15	H27
KTIP1940HPM KCP15	H27
KTIP1946HPM KCP15	H27
KTIP1950FEGM KCPM45	H29
KTIP1950HPM KCP15	H27
KTIP1960HPM KCP15	H27
KTIP1970HPM KCP15	H28
KTIP1980HPM KCP15	H28
KTIP1984HPM KCP15	H28
KTIP1990HPM KCP15	H28
KTIP2000FEGM KCPM45	H29
KTIP2000HPM KCP15	H28
KTIP200R12SS25M	H31
KTIP200R1SCF25M	H32
KTIP200R1SS25M	H31
KTIP200R3SCF25M	H32
KTIP200R3SS25M	H31
KTIP200R5SCF25M	H32
KTIP200R5SS25M	H31
KTIP200R8SCF25M	H32
KTIP200R8SS25M	H31
KTIP2010HPM KCP15	H28
KTIP2020HPM KCP15	H28
KTIP2024HPM KCP15	H28
KTIP2030HPM KCP15	H28
KTIP2050HPM KCP15	H28
KTIP2060HPM KCP15	H28
KTIP2064HPM KCP15	H28
KTIP2070HPM KCP15	H28
KTIP2080HPM KCP15	H28
KTIP2090HPM KCP15	H28
KTIP2099HPM KCP15	H28
KTIP2100HPM KCP15	H28
KTIP210R12SS25M	H31
KTIP210R1SCF25M	H32
KTIP210R1SS25M	H31
KTIP210R3SCF25M	H32
KTIP210R3SS25M	H31
KTIP210R5SCF25M	H32
KTIP210R5SS25M	H31
KTIP210R8SCF25M	H32
KTIP210R8SS25M	H31
KTIP2110HPM KCP15	H28
KTIP2143HPM KCP15	H28
KTIP2150HPM KCP15	H28
KTIP2200HPM KCP15	H28
KTIP220R12SS25M	H31
KTIP220R1SCF25M	H32
KTIP220R1SS25M	H31
KTIP220R3SCF25M	H32
KTIP220R3SS25M	H31
KTIP220R5SCF25M	H32
KTIP220R5SS25M	H31
KTIP220R8SCF25M	H32
KTIP220R8SS25M	H31
KTIP2223HPM KCP15	H28
KTIP2250HPM KCP15	H28
KTIP2280HPM KCP15	H28
KTIP2300HPM KCP15	H28
KTIP230R12SS25M	H31
KTIP230R1SCF25M	H32
KTIP230R1SS25M	H31
KTIP230R3SCF25M	H32
KTIP230R3SS25M	H31
KTIP230R5SCF25M	H32
KTIP230R5SS25M	H31
KTIP230R8SCF25M	H32
KTIP230R8SS25M	H31
KTIP2350HPM KCP15	H28
KTIP2381HPM KCP15	H28
KTIP2400HPM KCP15	H28
KTIP240R12SS25M	H31
KTIP240R1SCF25M	H32
KTIP240R1SS25M	H31
KTIP240R3SCF25M	H32
KTIP240R3SS25M	H31
KTIP240R5SCF25M	H32
KTIP240R5SS25M	H31
KTIP240R8SCF25M	H32
KTIP240R8SS25M	H31
KTIP2450HPM KCP15	H28
KTIP2461HPM KCP15	H28
KTIP2500HPM KCP15	H28
KTIP250R12SS32M	H31
KTIP250R1SCF25M	H32
KTIP250R1SS32M	H31
KTIP250R3SCF25M	H32
KTIP250R3SS32M	H31
KTIP250R5SCF25M	H32
KTIP250R5SS32M	H31
KTIP250R8SCF25M	H32
KTIP250R8SS32M	H31
KTIP2540HPM KCP15	H28
KTIP2550HPM KCP15	H28
KTIP2567HPM KCP15	H28
KTIP2581HPM KCP15	H28
KTIP2599HPM KCP15	H28
KTIP2600HPM KCP15	H28
KTIP260R12SS32M	H31
KTIP260R1SCF25M	H32
KTIP260R1SS32M	H31
KTIP260R3SCF25M	H32
KTIP260R3SS32M	H31
KTIP260R5SCF25M	H32
KTIP260R5SS32M	H31
KTIP260R8SCF25M	H32
KTIP260R8SS32M	H31
KTIP2619HPM KCP15	H28
KTIP2650HPM KCP15	H28
KTIP2659HPM KCP15	H28
KTIP2700HPM KCP15	H28
KTIP270R12SS32M	H31
KTIP270R1SCF25M	H32
KTIP270R1SS32M	H31
KTIP270R3SCF25M	H32
KTIP270R3SS32M	H31
KTIP270R5SCF25M	H32
KTIP270R5SS32M	H31
KTIP270R8SCF25M	H32
KTIP270R8SS32M	H31
KTIP2750HPM KCP15	H28
KTIP2778HPM KCP15	H28
KTIP2799HPM KCP15	H28
KTMDU11L0515N60 KC610M	W32
KTMDU11L0515N60 KC635M	W32
KTMDU11L1107N55 KC610M	W32
KTMDU11L1107N55 KC635M	W32
KTMDU11L1520N60 KC610M	W32
KTMDU11L1520N60 KC635M	W32
KTMDU11L1612N55 KC610M	W32
KTMDU11L1612N55 KC635M	W32
KTMDU11L2025N60 KC610M	W32
KTMDU11L2025N60 KC635M	W32
KTMDU11L2525N60 KC610M	W32
KTMDU11L2525N60 KC635M	W32
KTMDU11L2540N60 KC610M	W32
KTMDU11L2540N60 KC635M	W32
KTMDU11L4816N55 KC610M	W32
KTMDU11L4816N55 KC635M	W32
KTMDU16L0604N55 KC610M	W36
KTMDU16L0604N55 KC635M	W36
KTMDU16L1107N55 KC610M	W36
KTMDU16L1107N55 KC635M	W36
KTMDU16L1520N60 KC610M	W36
KTMDU16L1520N60 KC635M	W36
KTMDU16L1612N55 KC610M	W36
KTMDU16L2535N60 KC610M	W36
KTMDU16L2535N60 KC635M	W36
KTMDU16L4060N60 KC610M	W36
KTMDU16L4060N60 KC635M	W36
KTMDUCD15L060Z1	W30
KTMDUCD17L065Z2	W30
KTMDUCD20L080Z2	W30
KTMDUED23L086Z2	W31
KTMDUED26L105Z3	W31
KTMDUED31L115Z4	W31
KTMDUED36L144Z3	W34
KTMDUSCREW1	W29–31
KTMDUSD42L400Z4	W35
KTMDUSD48L400Z5	W35
KTMDUSD56L400Z6	W35
KTMDUWD15L040Z1	W29
KTMDUWD20L060Z2	W29
KTMDUWD23L070Z2	W29
KTMDUWD26L080Z3	W29
KTMDUWD31L095Z4	W29
KTMDUWD36L095Z3	W34
KTMDUWD42L120Z4	W34
KTMS21S25SD06H	U3
KTMS25S25SD06H	U3
KTMS32S32SD08H	U3
KTMS40S32SD12H	U3
KTMS50S32SD12H	U3
KUAM20	B199–205, B229, B260–262
KUAM22	B70–72, B92, B115–119, B139–141, B375, B378
KUAM23	B73, B183, B229, B235–237, B260–263, C171, D41–42
KUAM25	B70–72, B92–93, B115–117, B119, B139–141, B183, B235, B378
KUAM26	B72, C171, D41–42
KUAM27	B72, B115, B119, T81
KUAM28	B70, B73, B115–121, B142, B199, B202, B220–221, B240–242, B260–263, B376–378
KUAM30	B70, B115–119, B199, B202, B220–221, B240–242, B260–263, B376–378
KUAM31	B70–73, B92, B115–121, B139–142, B183, B229, B235–237, B260–263, B375, B378, C171, D41–42
KUAM32	B70–73, B92–93, B115–117, B119, B139–141, B183, B235, B378
KUAM33	B119, B141, C171, D41–42
KUAM34	B199–205, B229, B260–262
KUAM35	B199, B202, B204–205
KW1008	V146–147
L08KSCLPR06	B198
L08KSTFPL09	B259
L08KSTFPR09	B259
L10MSCLPR06	B198
L12QSCLPL06	B198
L12QSCLPR06	B198
L12QSDUPL07	B219
L12QSDUPR07	B219
L12QSTFPR11	B259
L16RSCLPL09	B198
L16RSCLPR09	B198
L20SSCLPL09	B198
L20SSCLPR09	B198
L20SSDUPR11	B219
LK90SD1218	U41
LK90SD1220	U47
LNEQ1235R03 4 KC725M	U20
LNEQ1235R03 4 KCK15	U20
LNEQ1240R03 4 KC725M	U20
LNEQ1240R03 4 KCPK30	U20
LNEQ1245R04 KC520M	U20
LNEQ1245R04 KC725M	U20
LNEQ1245R04 KCK15	U20
LNEQ1245R04 KCPK30	U20
LNEQ1250R04 KCK15	U20
LNEQ1255R04 KC725M	U20
LNEQ1255R04 KCK15	U20
LNEQ1260R04 KC725M	U20
LNEQ1260R04 KCK15	U20
LNEQ1260R04 KCPM40	U20
LNEU1235R03 4 KC520M	U19
LNEU1235R03 4 KC725M	U19
LNEU1235R03 4 KCPM40	U19
LNEU1235R03SGP 4 KC725M	U20
LNEU1240R03 4 KC520M	U19
LNEU1240R03 4 KC725M	U19
LNEU1240R03 4 KCPM40	U19
LNEU1240R03SGP 4 KC725M	U20
LNEU1240R08 4 KC520M	U19
LNEU1240R08 4 KC725M	U19
LNEU1240R08 4 KCPM40	U19
LNEU1240R16 4 KC725M	U19
LNEU1245R04 KC520M	U19
LNEU1245R04 KC725M	U19
LNEU1245R04 KCPK30	U19
LNEU1245R04 KCPM40	U19
LNEU1245R04SGP KC725M	U20
LNEU1245R08 KC520M	U19
LNEU1245R08 KC725M	U19
LNEU1245R08 KCPM40	U19
LNEU1245R08SGP KC725M	U20
LNEU1245R08SGP KCPM40	U20
LNEU1245R16 KC520M	U19
LNEU1245R16 KC725M	U19
LNEU1245R16SGP KC725M	U20
LNEU1245R32 KC520M	U19
LNEU1245R32 KC725M	U19
LNEU1250R04 KC725M	U19
LNEU1250R04 KCPM40	U19
LNEU1250R04SGP KC725M	U20
LNEU1250R08 KC725M	U19
LNEU1250R08 KCPM40	U19
LNEU1250R08SGP KC725M	U20
LNEU1255R04 KC725M	U19
LNEU1255R04 KCPM40	U19
LNEU1255R08 KC520M	U19
LNEU1255R08 KC725M	U19

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
LNEU1255R08 KCPM40	U19
LNEU1255R16 KC725M	U19
LNEU1255R32 KC725M	U19
LNEU1260R04 KC725M	U19
LNEU1260R04 KCPM40	U19
LNGU110404ERGE KC522M	T8
LNGU110404ERGE KC725M	T8
LNGU110404ERGE KCPM40	T8
LNGU110404ERLEJ KC422M	T8
LNGU110404SRGE KC522M	T9
LNGU110404SRGE KCPM40	T9
LNGU110404SRGE KCSM40	T9
LNGU110408ERGE KC522M	T8
LNGU110408ERGE KC725M	T8
LNGU110408ERGE KCPM40	T8
LNGU110408ERGE KCSM30	T8
LNGU110408ERGE KCSM40	T8
LNGU110408ERLEJ KC422M	T8
LNGU110408SRGE KC522M	T9
LNGU110408SRGE KC725M	T9
LNGU110408SRGE KCK15	T9
LNGU110408SRGE KCPK30	T9
LNGU110408SRGE KCPM40	T9
LNGU110408SRGE KCSM40	T9
LNGU110408SRGEM KC520M	T9
LNGU110408SRGEM KC522M	T9
LNGU110408SRGEM KCK15	T9
LNGU110408SRGEM KCPK30	T9
LNGU110408SRGEM KCPM40	T9
LNGU110412ERGE KC522M	T8
LNGU110412ERGE KCPM40	T8
LNGU110412ERGE KCSM40	T8
LNGU110412SRGEM KC520M	T9
LNGU110412SRGEM KCK15	T9
LNGU110412SRGEM KCPK30	T9
LNGU110412SRGEM KCPM40	T9
LNGU110416SRGEM KC520M	T9
LNGU110416SRGEM KCK15	T9
LNGU110416SRGEM KCPK30	T9
LNGU110416SRGEM KCPM40	T9
LNGU15T604ERGE KC522M	T18
LNGU15T604ERGE KC725M	T18
LNGU15T604ERGE KCPM40	T18
LNGU15T604ERGE KCSM30	T18
LNGU15T604ERGEJ KC422M	T18
LNGU15T604SRGE KC520M	T19
LNGU15T604SRGE KC522M	T19
LNGU15T604SRGE KC725M	T19
LNGU15T604SRGE KCK15	T19
LNGU15T604SRGE KCPK30	T19
LNGU15T608ERGE KC522M	T18
LNGU15T608ERGE KC725M	T18
LNGU15T608ERGE KCPM40	T18
LNGU15T608ERGE KCSM30	T18
LNGU15T608ERGE KCSM40	T18
LNGU15T608ERGEJ KC422M	T18
LNGU15T608SRGE KC520M	T19
LNGU15T608SRGE KC522M	T19
LNGU15T608SRGE KC725M	T19
LNGU15T608SRGE KCK15	T19
LNGU15T608SRGE KCPK30	T19
LNGU15T608SRGE KCSM40	T19
LNGU15T608SRGEH KCSM40	T20
LNGU15T608SRGEM KC520M	T19
LNGU15T608SRGEM KCK15	T19
LNGU15T608SRGEM KCPK30	T19
LNGU15T608SRGEM KCPM40	T19
LNGU15T612ERGE KC522M	T18
LNGU15T612ERGE KC725M	T18
LNGU15T612ERGE KCPM40	T18
LNGU15T612ERGE KCSM30	T18
LNGU15T612ERGE KCSM40	T18
LNGU15T612SRGE KC520M	T19
LNGU15T612SRGE KC522M	T19
LNGU15T612SRGE KC725M	T19
LNGU15T612SRGE KCK15	T19
LNGU15T612SRGE KCPK30	T19
LNGU15T612SRGE KCSM40	T19
LNGU15T612SRGEM KC520M	T19
LNGU15T612SRGEM KCK15	T19
LNGU15T612SRGEM KCPM40	T19
LNGU15T616ERGE KC725M	T18
LNGU15T616ERGE KCPM40	T18
LNGU15T616ERGE KCSM30	T18
LNGU15T616SRGE KC520M	T19
LNGU15T616SRGE KC522M	T19
LNGU15T616SRGE KC725M	T19
LNGU15T616SRGE KCK15	T19
LNGU15T616SRGE KCPK30	T19
LNGU15T616SRGEM KC520M	T19
LNGU15T616SRGEM KCK15	T19
LNGU15T616SRGEM KCPK30	T19
LNGU15T616SRGEM KCPM40	T19
LNGU15T620SRGEM KC520M	T19
LNGU15T620SRGEM KCK15	T19
LNGU15T620SRGEM KCPK30	T19
LNGU15T620SRGEM KCPM40	T19
LNPU110408SRGE KC520M	T9
LNPU110408SRGE KC522M	T9
LNPU110408SRGE KC725M	T9
LNPU110408SRGE KCK15	T9
LNPU110408SRGE KCPK30	T9
LNPU110408SRGE KCPM40	T9
LNPU110412SRGE KC520M	T9
LNPU110412SRGE KC522M	T9
LNPU110412SRGE KC725M	T9
LNPU110412SRGE KCK15	T9
LNPU110412SRGE KCPK30	T9
LNPU110412SRGE KCPM40	T9
LNPU110416SRGE KC520M	T9
LNPU110416SRGE KC522M	T9
LNPU110416SRGE KC725M	T9
LNPU110416SRGE KCPK30	T9
LNPU110416SRGE KCPM40	T9
LNPU15T604SRGE KC520M	T19
LNPU15T604SRGE KC522M	T19
LNPU15T604SRGE KC725M	T19
LNPU15T604SRGE KCK15	T19
LNPU15T604SRGE KCPK30	T19
LNPU15T608SRGE KC520M	T19
LNPU15T608SRGE KC522M	T19
LNPU15T608SRGE KC725M	T19
LNPU15T608SRGE KCK15	T19
LNPU15T608SRGE KCPK30	T19
LNPU15T608SRGE KCPM40	T19
LNPU15T612SRGE KC520M	T19
LNPU15T612SRGE KC522M	T19
LNPU15T612SRGE KC725M	T19
LNPU15T612SRGE KCPK30	T19
LNPU15T612SRGE KCPM40	T19
LNPU15T616SRGE KCPM40	T19
LNPU15T620SRGE KC522M	T19
LNPU15T620SRGE KC725M	T19
LNPU15T620SRGE KCK15	T19
LNPU15T620SRGE KCPK30	T19
LNPU15T620SRGE KCPM40	T19
LNPU221012PNSLHD2 KC520M	S121, S123
LNPU221012PNSLHD2 KCPK30	S121, S123
LNPU221012PNSLHD2 KCPM40	S121, S123
LNPU221012PNSRHD KC725M	S121, S123
LNPU221012PNSRHD KCK15	S121, S123
LNPU221012PNSRHD KCPK30	S121, S123
LNPU221012PNSRHD KCPM40	S121, S123
LNPU221012PNSRHD2 KCPK30	S121, S123
LNPU221012PNSRHD2 KCPM40	S121, S123
LNPU221012PNSRHD2 KCSM40	S121, S123
LNPU2410ANSLHD2 KCPK30	S117
LNPU2410ANSLHD2 KCPM40	S117
LNPU2410ANSRHD KC725M	S117
LNPU2410ANSRHD KCK15	S117
LNPU2410ANSRHD KCPK30	S117
LNPU2410ANSRHD2 KCPK30	S117
LNPU2410ANSRHD2 KCPM40	S117
LNPU2410ANSRHD2 KCSM40	S117
LNUX191940RRF KCP10	E51
LNUX191940RRF KCP25	E51
LNUX191940RRH KCP10	E51
LNUX191940RRH KCP25	E51
LNUX191940RRP KCP10	E52
LNUX191940RRP KCP25	E52
LNUX191940RRSM KCP25B	E52
LNUX191940S-WT5 KCP25B	E53
LNUX191950RRF KCP10B	E48
LNUX191950RRF KCP25B	E48
LNUX191950RRP KCP10B	E48
LNUX191950RRP KCP25B	E48
LNUX301940RRF KCP10	E51
LNUX301940RRH KCP10B	E51
LNUX301940RRH KCP25	E51
LNUX301940RRP KCP25	E52
LNUX301940RRSM KCP10B	E52
LNUX301960RRP KCP10B	E48
LNUX301960RRP KCP25B	E48
LS103	S126
LSASL1212N16	D78
LSASL1616H16	D78
LSASL2020K16	D78
LSASL2525M16	D78
LSASL2525M22	D78
LSASR1212N16	D78
LSASR1616H16	D78
LSASR2020K16	D78
LSASR2525M16	D78
LSASR2525M22	D78
LSASR3232P16	D78
LSASR3232P22	D78
LSSL2020K16Q	D79
LSSL2525M16Q	D79
LSSL2525M22Q	D79
LSSL3232P16Q	D79
LSSLDH2525M16	D79
LSSR2020K16Q	D79
LSSR2525M16Q	D79
LSSR2525M22Q	D79
LSSR3232P16Q	D79
LSSR3232P22Q	D79
LSSRDH2020K16Q	D79
LSSRDH2525M16	D79
LSSRDH2525M22Q	D79
LT11NL10ISO KC5025	D70
LT11NL15ISO KC5025	D70
LT11NL32UN KC5025	D74
LT11NLA60 KC5025	D66
LT11NR05ISO KC5025	D70
LT11NR075ISO KC5025	D70
LT11NR075ISOCB KC5025	D71
LT11NR10ISO KC5025	D70
LT11NR10ISOCB KC5025	D71
LT11NR125ISO KC5025	D70
LT11NR125ISOCB KC5025	D71
LT11NR14BSPT KC5025	D69
LT11NR14NPT KC5010	D72
LT11NR14NPT KC5025	D72
LT11NR14NPTF KC5025	D72
LT11NR14UNJ KC5025	D75
LT11NR14W KC5025	D76
LT11NR15ISO KC5010	D70
LT11NR15ISO KC5025	D70
LT11NR15ISOCB KC5025	D71
LT11NR16UN KC5010	D74
LT11NR16UN KC5025	D74
LT11NR16UNCB KC5025	D75
LT11NR16UNJ KC5025	D75
LT11NR175ISO KC5025	D70
LT11NR18NPT KC5025	D72
LT11NR18UN KC5025	D74
LT11NR18UNCB KC5025	D75
LT11NR18UNJ KC5025	D75
LT11NR19W KC5025	D76
LT11NR20ISO KC5025	D70
LT11NR20UN KC5025	D74
LT11NR20UNCB KC5025	D75
LT11NR24UN KC5025	D74
LT11NR24UNCB KC5025	D75
LT11NR28UN KC5025	D74
LT11NR32UN KC5025	D74
LT11NR32UNCB KC5025	D75
LT11NR40UN KC5025	D74
LT11NRA55 KC5025	D65
LT11NRA60 KC5010	D66
LT11NRA60 KC5025	D66
LT11NRA60CB KC5025	D67
LT16EL05ISO KC5025	D57
LT16EL075ISO KC5025	D57
LT16EL10ISO KC5025	D57
LT16EL11W KC5025	D64
LT16EL125ISO KC5025	D57
LT16EL12UN KC5025	D62
LT16EL14UN KC5025	D62
LT16EL14W KC5025	D64
LT16EL15ISO KC5010	D57
LT16EL15ISO KC5025	D57
LT16EL16UN KC5025	D62
LT16EL16UNJ KC5025	D63
LT16EL175ISO KC5025	D57
LT16EL18UN KC5025	D62
LT16EL20ISO KC5025	D57
LT16EL20UN KC5025	D62
LT16EL24UN KC5025	D62
LT16EL25ISO KC5025	D57
LT16EL28UN KC5025	D62
LT16EL30ISO KC5025	D57
LT16EL8APIRD KC5025	D55
LT16EL8UN KC5025	D62
LT16ELA60 KC5025	D53
LT16ELAG55 KC5025	D52
LT16ELAG60 KC5025	D53
LT16ELG60 KC5025	D53
LT16ER05ISO KC5025	D57
LT16ER05ISOCB KC5010	D58
LT16ER05ISOCB KC5025	D58
LT16ER075ISO KC5025	D57
LT16ER075ISOCB KC5010	D58
LT16ER075ISOCB KC5025	D58
LT16ER10ACME KC5025	D54
LT16ER10APIRD KC5025	D55
LT16ER10ISO KC5010	D57
LT16ER10ISO KC5025	D57
LT16ER10ISOCB KC5010	D58
LT16ER10ISOCB KC5025	D58
LT16ER10STACME KC5025	D61
LT16ER10UN KC5025	D62
LT16ER10UNCB KC5025	D63
LT16ER10W KC5025	D64
LT16ER115NPT KC5010	D59
LT16ER115NPT KC5025	D59
LT16ER115NPTF KC5025	D60
LT16ER115NPTFCB KC5025	D60
LT16ER11BSPT KC5025	D56
LT16ER11W KC5010	D64
LT16ER11W KC5025	D64
LT16ER11WCB KC5025	D65
LT16ER125ISO KC5010	D57
LT16ER125ISO KC5025	D57
LT16ER125ISOCB KC5010	D58
LT16ER125ISOCB KC5025	D58
LT16ER12ACME KC5025	D54
LT16ER12STACME KC5025	D61
LT16ER12UN KC5010	D62
LT16ER12UN KC5025	D62
LT16ER12UNCB KC5010	D63
LT16ER12UNCB KC5025	D63
LT16ER12UNJ KC5010	D63
LT16ER12UNJ KC5025	D63
LT16ER12W KC5025	D64
LT16ER14BSPT KC5025	D56
LT16ER14NPT KC5010	D59
LT16ER14NPT KC5025	D59
LT16ER14NPTCB KC5010	D59
LT16ER14NPTCB KC5025	D59
LT16ER14NPTF KC5025	D60
LT16ER14UN KC5010	D62
LT16ER14UN KC5025	D62
LT16ER14UNCB KC5010	D63
LT16ER14UNCB KC5025	D63
LT16ER14UNJ KC5010	D63
LT16ER14UNJ KC5025	D63
LT16ER14W KC5010	D64
LT16ER14W KC5025	D64
LT16ER14WCB KC5010	D65
LT16ER14WCB KC5025	D65
LT16ER15ISO KC5010	D57
LT16ER15ISO KC5025	D57
LT16ER15ISOCB KC5010	D58
LT16ER15ISOCB KC5025	D58
LT16ER16ACME KC5025	D54
LT16ER16STACME KC5025	D61
LT16ER16UN KC5010	D62

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
LT16ER16UN KC5025	D62
LT16ER16UNCB KC5010	D63
LT16ER16UNCB KC5025	D63
LT16ER16UNJ KC5010	D63
LT16ER16UNJ KC5025	D63
LT16ER16W KC5025	D64
LT16ER175ISO KC5010	D57
LT16ER175ISO KC5025	D57
LT16ER175ISOCB KC5010	D58
LT16ER175ISOCB KC5025	D58
LT16ER18NPT KC5010	D59
LT16ER18NPT KC5025	D59
LT16ER18UN KC5010	D62
LT16ER18UN KC5025	D62
LT16ER18UNCB KC5010	D63
LT16ER18UNCB KC5025	D63
LT16ER18UNJ KC5010	D63
LT16ER18UNJ KC5025	D63
LT16ER18W KC5025	D64
LT16ER19W KC5010	D64
LT16ER19W KC5025	D64
LT16ER20ISO KC5010	D57
LT16ER20ISO KC5025	D57
LT16ER20ISOCB KC5010	D58
LT16ER20ISOCB KC5025	D58
LT16ER20UN KC5010	D62
LT16ER20UN KC5025	D62
LT16ER20UNCB KC5010	D63
LT16ER20UNCB KC5025	D63
LT16ER20UNJ KC5010	D63
LT16ER20UNJ KC5025	D63
LT16ER20W KC5025	D64
LT16ER24UN KC5010	D62
LT16ER24UN KC5025	D62
LT16ER24UNCB KC5010	D63
LT16ER24UNCB KC5025	D63
LT16ER24UNJ KC5025	D63
LT16ER24W KC5025	D64
LT16ER25ISO KC5010	D57
LT16ER25ISO KC5025	D57
LT16ER25ISOCB KC5025	D58
LT16ER27NPT KC5025	D59
LT16ER28UN KC5010	D62
LT16ER28UN KC5025	D62
LT16ER28UNCB KC5010	D63
LT16ER28UNCB KC5025	D63
LT16ER28UNJ KC5025	D63
LT16ER28W KC5025	D64
LT16ER2TR KC5025	D61
LT16ER30ISO KC5010	D57
LT16ER30ISO KC5025	D57
LT16ER30ISOCB KC5010	D58
LT16ER30ISOCB KC5025	D58
LT16ER32UN KC5010	D62
LT16ER32UN KC5025	D62
LT16ER32UNCB KC5010	D63
LT16ER32UNCB KC5025	D63
LT16ER32UNJ KC5025	D63
LT16ER36UN KC5025	D62
LT16ER3TR KC5025	D61
LT16ER40UN KC5025	D62
LT16ER48UN KC5025	D62
LT16ER6STACME KC5025	D61
LT16ER8ACME KC5025	D54
LT16ER8APIRD KC5025	D55
LT16ER8NPT KC5025	D59
LT16ER8RD KC5025	D60
LT16ER8STACME KC5025	D61
LT16ER8UN KC5025	D62
LT16ER8UNCB KC5010	D63
LT16ER8UNCB KC5025	D63
LT16ER8W KC5025	D64
LT16ER9W KC5025	D64
LT16ERA55 KC5025	D52
LT16ERA60 KC5010	D53
LT16ERA60 KC5025	D53
LT16ERAG55 KC5010	D52
LT16ERAG55 KC5025	D52
LT16ERAG60 KC5010	D53
LT16ERAG60CB KC5010	D53
LT16ERAG60CB KC5025	D53
LT16ERAG60K KU25T	D54
LT16ERG60 KC5010	D53
LT16ERG60 KC5025	D53
LT16NL10ISO KC5025	D70
LT16NL10UN KC5025	D74
LT16NL11W KC5025	D76
LT16NL12UN KC5025	D74
LT16NL15ISO KC5025	D70
LT16NL16UN KC5025	D74
LT16NL20ISO KC5025	D70
LT16NL25ISO KC5025	D70
LT16NL30ISO KC5025	D70
LT16NLA60 KC5025	D66
LT16NLAG60 KC5025	D66
LT16NLG60 KC5025	D66
LT16NR05ISO KC5025	D70
LT16NR075ISO KC5025	D70
LT16NR10ACME KC5025	D68
LT16NR10APIRD KC5025	D69
LT16NR10ISO KC5010	D70
LT16NR10ISO KC5025	D70
LT16NR10ISOCB KC5025	D71
LT16NR10STACME KC5025	D73
LT16NR10UN KC5025	D74
LT16NR10UNCB KC5025	D75
LT16NR10W KC5025	D76
LT16NR115NPT KC5010	D72
LT16NR115NPT KC5025	D72
LT16NR115NPTCB KC5025	D72
LT16NR11BSPT KC5025	D69
LT16NR11W KC5010	D76
LT16NR11W KC5025	D76
LT16NR11WCB KC5025	D76
LT16NR125ISO KC5025	D70
LT16NR12ACME KC5025	D68
LT16NR12STACME KC5025	D73
LT16NR12UN KC5010	D74
LT16NR12UN KC5025	D74
LT16NR12UNCB KC5025	D75
LT16NR12UNJ KC5025	D75
LT16NR12W KC5025	D76
LT16NR14BSPT KC5025	D69
LT16NR14NPT KC5025	D72
LT16NR14NPTCB KC5025	D72
LT16NR14NPTF KC5025	D72
LT16NR14STACME KC5025	D73
LT16NR14UN KC5025	D74
LT16NR14UNCB KC5025	D75
LT16NR14W KC5025	D76
LT16NR14WCB KC5025	D76
LT16NR15ISO KC5010	D70
LT16NR15ISO KC5025	D70
LT16NR15ISOCB KC5025	D71
LT16NR16STACME KC5025	D73
LT16NR16UN KC5025	D74
LT16NR16UNCB KC5025	D75
LT16NR16UNJ KC5025	D75
LT16NR16W KC5025	D76
LT16NR175ISO KC5025	D70
LT16NR18UN KC5025	D74
LT16NR18UNCB KC5025	D75
LT16NR19W KC5025	D76
LT16NR20ISO KC5010	D70
LT16NR20ISO KC5025	D70
LT16NR20ISOCB KC5025	D71
LT16NR20UN KC5025	D74
LT16NR20UNCB KC5025	D75
LT16NR20W KC5025	D76
LT16NR24UN KC5025	D74
LT16NR25ISO KC5025	D70
LT16NR25ISOCB KC5025	D71
LT16NR28UN KC5025	D74
LT16NR2TR KC5025	D73
LT16NR30ISO KC5010	D70
LT16NR30ISO KC5025	D70
LT16NR32UN KC5025	D74
LT16NR3TR KC5025	D73
LT16NR6STACME KC5025	D73
LT16NR8ACME KC5025	D68
LT16NR8APIRD KC5025	D69
LT16NR8NPT KC5025	D72
LT16NR8RD KC5025	D73
LT16NR8STACME KC5025	D73
LT16NR8UN KC5025	D74
LT16NR8UNCB KC5025	D75
LT16NR8W KC5025	D76
LT16NRA55 KC5025	D65
LT16NRA60 KC5010	D66
LT16NRA60 KC5025	D66
LT16NRAG55 KC5025	D65
LT16NRAG60 KC5010	D66
LT16NRAG60 KC5025	D66
LT16NRAG60CB KC5025	D67
LT16NRAG60K KU25T	D67
LT16NRG55 KC5025	D65
LT16NRG60 KC5010	D66
LT16NRG60 KC5025	D66
LT16NRG60CB KC5025	D67
LT22EL35ISO KC5025	D57
LT22ELN60 KC5025	D53
LT22ER35ISO KC5025	D57
LT22ER40ISO KC5025	D57
LT22ER45ISO KC5025	D57
LT22ER4API382 KC5025	D55
LT22ER4API502 KC5010	D55
LT22ER4API502 KC5025	D55
LT22ER4API503 KC5010	D55
LT22ER4TR KC5025	D61
LT22ER50ISO KC5025	D57
LT22ER5ACME KC5025	D54
LT22ER5API403 KC5010	D55
LT22ER5BUT75 KC5025	D56
LT22ER5STACME KC5025	D61
LT22ER5TR KC5025	D61
LT22ER6ACME KC5025	D54
LT22ER6RD KC5025	D60
LT22ER6W KC5025	D64
LT22ER7W KC5025	D64
LT22ERN55 KC5025	D52
LT22ERN60 KC5025	D53
LT22NLN60 KC5025	D66
LT22NR35ISO KC5025	D70
LT22NR40ISO KC5025	D70
LT22NR45ISO KC5025	D70
LT22NR4API382 KC5025	D68
LT22NR4API502 KC5025	D68
LT22NR4TR KC5025	D73
LT22NR50ISO KC5025	D70
LT22NR5ACME KC5025	D68
LT22NR5API403 KC5025	D68
LT22NR5BUT1 KC5025	D69
LT22NR5BUT75 KC5025	D69
LT22NR5TR KC5025	D73
LT22NR6ACME KC5025	D68
LT22NR6RD KC5025	D73
LT22NR7W KC5025	D76
LT22NRN55 KC5025	D65
LT22NRN60 KC5025	D66
LT27ER4API382 KC5025	D55
LT27ER4API502 KC5025	D55
LT27NR4API382 KC5025	D68
LT27NR4API502 KC5025	D68
M-13-M8-CA16-090 S	V35
M-13-M8-CA16-110 S	V35
M-13-M8-CA16-130 S	V35
M-13-M8-CA16-170 S	V35
M-18-M10-CA20-110 S	V35
M-18-M10-CA20-130 S	V35
M-18-M10-CA20-170 S	V35
M-18-M10-CA20-190 S	V35
M-21-M12-CA25-131 S	V35
M-21-M12-CA25-156 S	V35
M-21-M12-CA25-181 S	V35
M-21-M12-CA25-206 S	V35
M-21-M12-CA25-231 S	V35
M-29-M16-CA32-160 S	V35
M-29-M16-CA32-210 S	V35
M-29-M16-CA32-260 S	V35
M-29-M16-CA32-310 S	V35
M10 1.5 X 25 SHCS S	T88, V12, V21, V28, V89, V94
M10-JIC	C75
M12 X 1.75 X 30 SHCS S	T88, T115, T118, V12, V21, V28, V94
M16 X 2 X 40 SHCS S	T118, V21
M16X2X40 LHSCS S	V28
M1H20J02R28A20ED10C4	T40
M1H20J02R28M10ED10C4	T38
M1H20J02R36A20ED10C6	T40
M1H20J02R36B20ED10C6	T39
M1H25J02R28A25ED10C4	T40
M1H25J02R32M12ED10C4	T38
M1H25J02R46A25ED10C8	T40
M1H25J02R46B25ED10C8	T39
M1H32J02R28A32ED10C4	T40
M1H32J02R54B32ED10C10	T39
M1H32J03R28A32ED10C6	T40
M1H32J03R40M16ED10C6	T38
M1H32J03R54A32ED10C15	T40
M1H32J03R54B32ED10C15	T39
M1H32J2R50B32S90ED14C4	T57
M1H40J3R50B32S90ED14C6	T57
M1H40J3R65B32S90ED14C9	T57
M1H40J3R80B32S90ED14C12	T57
M1H40J4R80B32S90ED14C12	T57
M1H40T03R50A16ED10C12	T41
M1H40T05R50A16ED10C20	T41
M1H50J3R80B40S90ED14C12	T57
M1H50T03R60A22ED10C15	T41
M1H50T05R60A22ED10C25	T41
M1H50T3R50A22S90ED14C6	T58
M1H50T3R65A22S90ED14C9	T58
M1H63T3R50A27S90ED14C6	T58
M1H63T3R65A27S90ED14C9	T58
M1H63T3R75A27S90ED14C12	T58
M1H63T4R65A27S90ED14C12	T58
M1H63T5R75A27S90ED14C20	T59
M1HR125E14W125Z2L200C4	T65
M1HR150E14W125Z3L200C6	T65
M1HR150E14W125Z3L250C9	T65
M1HR150E14W125Z3L300C12	T65
M1HR200E14S075Z3L200C6	T65
M1HR200E14S075Z3L250C9	T65
M1HR200E14W150Z3L300C12	T65
M1HR250E14S100Z3L250C9	T65
M1HR250E14S100Z3L300C12	T65
M1HR250E14S100Z4L250C12	T65
M20 X 2.5 X 50 SHCS	T118, V21, V28
M4-11KITD16Z2A16EGEKC725M	T11
M4-11KITD16Z2A16SGEKCPM40	T11
M4-11KITD20Z2B20EGEKC725M	T11
M4-11KITD20Z2B20SGEKCPM40	T11
M4-11KITD20Z3A20EGEKC725M	T11
M4-11KITD20Z3A20SGEKCPM40	T11
M4-11KITD25Z3B20EGEKC725M	T11
M4-11KITD25Z3B25SGEKCPM40	T11
M4-11KITD25Z4A25EGEKC725M	T11
M4-11KITD25Z4A25SGEKCPM40	T11
M4-11KITD32Z4B32EGEKC725M	T11
M4-11KITD32Z4B32SGEKCPM40	T11
M4-11KITD32Z5A32EGEKC725M	T11
M4-11KITD32Z5A32SGEKCPM40	T11
M4-11KITD40Z4S16EGEKC725M	T11
M4-11KITD40Z4S16SGEKCPM40	T11
M4-11KITD40Z6S16EGEKC725M	T11
M4-11KITD40Z6S16SGEKCPM40	T11
M4-11KITD50Z5S22EGEKC725M	T11
M4-11KITD50Z5S22SGEKCPM40	T11
M4-11KITD50Z7S22EGEKC725M	T11
M4-11KITD50Z7S22SGEKCPM40	T11
M4-11KITD63Z9S22EGEKC725M	T11
M4-11KITD63Z9S22SGEKCPM40	T11
M4D016Z02A16LN11L090	T6, T11
M4D016Z02A16LN11L150	T6
M4D016Z02B16LN11	T5
M4D016Z02M08LN11	T4
M4D020Z02A20LN11L150	T6
M4D020Z02B20LN11	T5, T11
M4D020Z03A20LN11L090	T6, T11
M4D020Z03A20LN11L150	T6
M4D020Z03B20LN11	T5
M4D020Z03M10LN11	T4
M4D025Z02A25LN15L100	T16
M4D025Z02A25LN15L170	T16
M4D025Z02B25LN15	T15
M4D025Z02M12LN15	T14
M4D025Z03A25LN11L170	T6

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
M4D025Z03B25LN11	T5, T11
M4D025Z04A25LN11L100	T6, T11
M4D025Z04A25LN11L170	T6
M4D025Z04M12LN11	T4
M4D032Z03A32LN15L110	T16
M4D032Z03A32LN15L200	T16
M4D032Z03B32LN15	T15
M4D032Z03M16LN15	T14
M4D032Z04A32LN11L200	T6
M4D032Z04A32LN15L110	T16
M4D032Z04A32LN15L200	T16
M4D032Z04B32LN11	T5, T11
M4D032Z04M16LN15	T14
M4D032Z05A32LN11L110	T6, T11
M4D032Z05A32LN11L200	T6
M4D032Z05M16LN11	T4
M4D032Z06M16LN11	T4
M4D035Z04M16LN15	T14
M4D040Z03A32LN15L200	T16
M4D040Z03B32LN15	T15
M4D040Z04A32LN15L200	T16
M4D040Z04B32LN15	T15
M4D040Z04S16LN11	T7, T11
M4D040Z04S16LN15	T17
M4D040Z05A32LN11L200	T6
M4D040Z05B32LN11	T5
M4D040Z05M16LN15	T14
M4D040Z05S16LN15	T17
M4D040Z06S16LN11	T7, T11
M4D040Z07S16LN11	T7
M4D050Z04S22LN15	T17
M4D050Z05S22LN11	T7, T11
M4D050Z05S22LN15	T17
M4D050Z06S22LN15	T17
M4D050Z07S22LN11	T7, T11
M4D050Z09S22LN11	T7
M4D063Z05S22LN15	T17
M4D063Z06S22LN11	T7
M4D063Z06S22LN15	T17
M4D063Z07S22LN15	T17
M4D063Z09S22LN11	T7, T11
M4D080Z05S27LN15	T17
M4D080Z07S27LN15	T17
M4D080Z08S27LN11	T7
M4D080Z09S27LN15	T17
M4D080Z10S27LN11	T7
M4D100Z06S32LN15	T17
M4D100Z08S32LN15	T17
M4D100Z11S32LN15	T17
M4D125Z07S40LN15	T17
M4D125Z09S40LN15	T17
M4D125Z12S40LN15	T17
M4D160Z08S40LN15	T17
M4D160Z12S40LN15	T17
M4D160Z16S40LN15	T17
M4KITD100Z08S32SGEKCPM40	T21
M4KITD100Z11S32SGEMKC520M	T21
M4KITD25Z02A25EGEKC725M	T21
M4KITD25Z02A25SGEKCPM40	T21
M4KITD25Z02A25SGEMKC520M	T21
M4KITD32Z03A32EGEKC725M	T21
M4KITD32Z03A32SGEKCPM40	T21
M4KITD32Z03A32SGEMKC520M	T21
M4KITD40Z04S16EGEKC725M	T21
M4KITD40Z04S16SGEKCPM40	T21
M4KITD40Z04S16SGEMKC520M	T21
M4KITD50Z05S22EGEKC725M	T21
M4KITD50Z05S22SGEKCPM40	T21
M4KITD50Z05S22SGEMKC520M	T21
M4KITD50Z06S22EGEKC725M	T21
M4KITD50Z06S22SGEKCPM40	T21
M4KITD50Z06S22SGEMKC520M	T21
M4KITD63Z06S22EGEKC725M	T21
M4KITD63Z06S22SGEKCPM40	T21
M4KITD63Z07S22SGEMKC520M	T21
M4KITD80Z07S27EGEKC725M	T21
M4KITD80Z07S27SGEKCPM40	T21
M4KITD80Z09S27SGEMKC520M	T21
M6-JIC	C75
M8 1.25 X 25 SHCS	T88, V12, V89, V94
M8-JIC	C75
MB115RBHT12F	K120
MB115RBHT16LF	K120
MB115RBHT16LK	K121
MB24RBHT06F	K120
MB24RBHT06K	K121
MB30RBHT06F	K120
MB30RBHT06K	K121
MB40RBHT09F	K120
MB40RBHT09K	K121
MB50RBHT09F	K120
MB50RBHT09K	K121
MB66RBHT12F	K120
MB66RBHT12K	K121
MB66RBHT12LF	K120
MB66RBHT12LK	K121
MB87RBHT12F	K120
MB87RBHT12K	K121
MB87RBHT16LF	K120
MB87RBHT16LK	K121
MCC080001	V82
MCC0800HP	V82
MCCM16001	S62, V60, V82, V139
MCCM160HP	V82
MCFNL10CA09	B70
MCFNL12CA12	B70
MCFNR10CA09	B70
MCFNR12CA12	B70
MCFNR16CA12	B70
MCFNR20CA12	B70
MCKNL12CA12	B71
MCKNL2525M12	B61
MCKNL3225P16	B61
MCKNL3232P19	B61
MCKNR12CA12	B71
MCKNR16CA12	B71
MCKNR2525M12	B61
MCKNR3225P12	B61
MCKNR3225P16	B61
MCLNL12CA12	B72
MCLNL1616H09	B62
MCLNL1616H12	B62
MCLNL16CA12	B72
MCLNL2020K12	B62
MCLNL20CA12	B72
MCLNL2525M12	B62
MCLNL2525M16	B62
MCLNL2525M19	B62
MCLNL25CA19	B72
MCLNL3225P12	B62
MCLNL3225P16	B62
MCLNL3225P19	B62
MCLNL3232P12	B62
MCLNL3232P16	B62
MCLNL3232P19	B62
MCLNL4040R19	B62
MCLNR12CA12	B72
MCLNR1616H09	B62
MCLNR1616H12	B62
MCLNR16CA12	B72
MCLNR2020K09	B62
MCLNR2020K12	B62
MCLNR20CA12	B72
MCLNR2525M09	B62
MCLNR2525M12	B62
MCLNR2525M16	B62
MCLNR2525M19	B62
MCLNR25CA12	B72
MCLNR25CA16	B72
MCLNR25CA19	B72
MCLNR3225P12	B62
MCLNR3225P16	B62
MCLNR3225P19	B62
MCLNR3232P12	B62
MCLNR3232P16	B62
MCLNR3232P19	B62
MCLNR4040R19	B62
MCMNN2020K12	B63
MCMNN2525M12	B63
MCMNN3225P16	B63
MCMNN4040R19	B63
MCRNL2525M12	B63
MCRNL3225P12	B63
MCRNL3232P16	B63
MCRNL3232P19	B63
MCRNR2020K12	B63
MCRNR2525M12	B63
MCRNR3225P12	B63
MCRNR3232P16	B63
MCRNR3232P19	B63
MDHX1004ZDERGD K110M	S69
MDHX1004ZDERGD KC520M	S69
MDHX1004ZDERGD KTPK20	S69
MDHX1004ZDERGD4W K110M	S69
MDHX1004ZDERGD4W KC520M	S69
MDHX1004ZDERGD4W KTPK20	S69
MDHX1004ZDFLGD4W K110M	S69
MDHX1004ZDFLGD4W KC520M	S69
MDHX1004ZDFRGD4W K110M	S69
MDHX1004ZDFRGD4W KC520M	S69
MDHX1004ZDFRGD4W KTPK20	S69
MDJNL12CA11	B92
MDJNL16CA15	B92
MDJNL2020K11	B86
MDJNL2525M11	B86
MDJNL2525M15	B86
MDJNL3225P15	B86
MDJNL3232P15	B86
MDJNR12CA11	B92
MDJNR1616H11	B86
MDJNR16CA15	B92
MDJNR2020K11	B86
MDJNR2020K15	B86
MDJNR20CA15	B92
MDJNR2525M11	B86
MDJNR2525M15	B86
MDJNR3225P15	B86
MDJNR3232P15	B86
MDNNL2525M15	B86
MDNNL3225P15	B86
MDNNR2525M15	B86
MDNNR3225P15	B86
MDQNL16CA15	B93
MDQNL20CA15	B93
MDQNR16CA15	B93
MDQNR20CA15	B93
MEGA45D125B06LN24	S116
MEGA45D160C07LN24	S116
MEGA45D200C07LN24	S116
MEGA45D250C09LN24	S116
MEGA45D250C11LN24	S116
MEGA45D315C10LN24	S116
MEGA45D315C13LN24	S116
MEGA60D125B06LN22	S120
MEGA60D160C07LN22	S120
MEGA60D200C07LN22	S120
MEGA60D200C09LN22	S120
MEGA60D250C09LN22	S120
MEGA60D250C11LN22	S120
MEGA60D315C10LN22	S120
MEGA60D315C13LN22	S120
MEGA90D125B06LN22	S122
MEGA90D160C07LN22	S122
MEGA90D200C07LN22	S122
MEGA90D200C09LN22	S122
MEGA90D250C09LN22	S122
MEGA90D250C11LN22	S122
MEGA90D315C10LN22	S122
MEGA90D315C13LN22	S122
MILL16D050Z040N08SC	S34
MILL16D050Z050N08W	S32
MILL16D063Z040N08SC	S34
MILL16D063Z050N08SC	S34
MILL16D063Z060N08W	S32
MILL16D080Z050N08SC	S34
MILL16D080Z070N08SC	S34
MILL16D080Z080N08W	S32
MILL16D080Z100N08W	S32
MILL16D100Z060N08SC	S34
MILL16D100Z080N08SC	S34
MILL16D100Z100N08W	S32
MILL16D100Z140N08W	S32
MILL16D125Z080N08SC	S34
MILL16D125Z100N08SC	S34
MILL16D125Z140N08W	S32
MILL16D125Z180N08W	S32
MILL16D160Z100N08SC	S34
MILL16D160Z120N08SC	S34
MILL16D160Z160N08W	S32
MILL16D160Z220N08W	S32
MILL16D200Z100N08SC	S34
MILL16D200Z140N08SC	S34
MILL16D200Z200N08W	S32
MILL16D200Z280N08W	S32
MILL16D250Z120N08SC	S34
MILL16D250Z160N08SC	S34
MILL16D250Z240N08W	S32
MILL16D250Z340N08W	S32
MILL16D315Z440N08WSC	S33
MILL16D355Z480N08WSC	S33
MILL16D400Z560N08WSC	S33
MILL16D500Z700N08WSC	S33
MRGNL2525M12	B95
MRGNR2525M12	B95
MS-1896	K81
MS-2071	T14–17, V77–78
MS1025	C171, D41–42
MS1034	C170, D37
MS110	B174, B371
MS111	B170, B172–173, B353–355, E37, E41
MS1130	B386
MS1152	B260–262, J23, J25, J27, J29, J31, J33, J35, J37
MS1153	B179–182, B192–205, B210–213, B217–221, B227–229, B247–248, B257–263, B266–269, B271, K74–76, K81, K85
MS1154	B227–228
MS1155	B179–183, B194–199, B202, B209–210, B212–213, B217–219, B229, B233–235, B240–242, B257–258, B260–263, B266–269, B271
MS1156	B179–181, B209–211, B213, B227–228, B233–234, B247–248, B257, B266–268, B271, C114
MS1157	B182–183, B235–237
MS1158	B180, B182–183, B209–211, B213, B233–234
MS1160	B227, C36–37, C39–42, C46–48, C112–114, C120
MS1162	C46–48, C58–65, C129–135, S116, S120, S122, V82
MS1163	C58–65, C129–135
MS1198	S110, T58
MS1200	C166–170, D27–30, D36–37
MS1233	T58
MS1234CG	S21, V64
MS1235	T58, T109
MS1235CG	T80
MS1238	T58, T109
MS1241	T109
MS1242	S32, V49, V56, V60, V72, V78, V147
MS1242CG	T80, V72, V78, V82, V139
MS125	B172, B354, B378
MS1273	C46–47, T109
MS1276	J80
MS1280	U17–18
MS1282	U17–18
MS1284	U17
MS1285	C46–47
MS1294	B168, B370, S48, T50, V49, V64, V72
MS1294CG	V64, V72
MS1321	B168, B370
MS1336	V56, V72
MS1374	T79–81
MS1375	K85
MS1433	T58–59
MS1454	B187, K75
MS1488	D31, D33, D39–40
MS1489	D31–33, D39
MS1490	C37–40, C44–45, C112–113, D32
MS1499	B386
MS1556	T98, U32–34, V147
MS1559	T50, T72, U32–35, U44–49
MS1571	C122
MS1595	C36–37, C39–40, C43–44, C46–47, C112–115, C118–119

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
MS1861	H76
MS1933	B199, B202, B204–205, B257–259
MS1939	B182, B195–198, B271
MS1944	C39–40, C112–114
MS1970	C36–40, C43–45, C112–115, C118–119
MS2002	C58–65, C129–135
MS2038	S41, S60, S62, T33, T50, T72, T102, V49, V56, V60, V64, V72, V78
MS2038CG	S21, V64, V72, V78, V139
MS2060	S34
MS2072CG	S21, V72, V139
MS2077	U40–49, V70–72, V139
MS2078	S41, T102, U38–39
MS2089	C119
MS2090	C118
MS2091	C36–37, C39–40, C112–114, C118
MS2111	C166–169, D27–30, D36
MS2126	T69–72
MS2148	T57–59, T97–98, U25–35
MS2166	T47–50
MS2167	T47–49
MS2173	B199, B202, B204–205
MS2175	B199–205, B229, B260–262
MS2187C	S62, T17, V60, V78, V82, V139
MS2188C	V82
MS2189C	S10, S14, S17, S21, S25, S48, S53, S60, S62, T17, V139
MS2190CG	V82
MS2191C00	T58–59, V72, V137–138, V140
MS2191C06	T58–59, V137–138, V140
MS2191C08	T58–59, V137–138, V140
MS2191C12	T58–59, V137–140
MS2191C14	T58–59, V137–138, V140
MS2191C16	T58–59, V137–138, V140
MS2191C18	T58–59, V137–138, V140
MS2191C20	T57–59, V137–140
MS2195C	V56, V60, V72, V78
MS2197	V137–139
MS2205	T29–33, T38–41
MS2206	U3
MS2207	U3
MS2208	U3
MS2219	V38–40
MS2236	V114–115
MS2260	V60
MS2263	T4–7
MS319	B386
MS325	B386
MS326	B386
MS330	B386
MS337	B386
MS364	B72, B115, B119
MS412	B386, C171, D41–42, E38–40, E42–43
MS5001	W12–13
MS5002	W12
MS5003	W18–19, W25
MS5004	W12
MS518	E37–38, E40–42
MS524	E36, E40
MS624	E41
MS625	E37
MS9000	W17–19, W24–25
MS959	E36–43
MS960	B172–173, B354–355
MS961	B174, B371
MSBNL2020K12	B108
MSBNL2525M12	B108
MSBNL2525M15	B108
MSBNL3225P12	B108
MSBNL3232P15	B108
MSBNL3232P19	B108
MSBNL4040R19	B108
MSBNR2020K12	B108
MSBNR2525M12	B108
MSBNR2525M15	B108
MSBNR3225P12	B108
MSBNR3232P15	B108
MSBNR3232P19	B108
MSBNR4040R19	B108
MSDNN1616H09	B109
MSDNN2020K12	B109
MSDNN2525M12	B109
MSDNN2525M15	B109
MSDNN3225P12	B109
MSDNN3232P19	B109
MSKNL12CA12	B115
MSKNL20CA15	B115
MSKNL2525M12	B109
MSKNL3225P12	B109
MSKNL3232P15	B109
MSKNL3232P19	B109
MSKNR10CA09	B115
MSKNR12CA12	B115
MSKNR16CA12	B115
MSKNR20CA15	B115
MSKNR2525M12	B109
MSKNR25CA19	B115
MSKNR3232P19	B109
MSRNL12CA12	B116
MSRNL16CA12	B116
MSRNL20CA15	B116
MSRNR10CA09	B116
MSRNR12CA12	B116
MSRNR16CA12	B116
MSSNL10CA09	B117
MSSNL12CA12	B117
MSSNL2020K12	B110
MSSNL2525M12	B110
MSSNL3232P19	B110
MSSNR10CA09	B117
MSSNR12CA12	B117
MSSNR16CA12	B117
MSSNR2020K12	B110
MSSNR20CA15	B117
MSSNR2525M12	B110
MSSNR3232P19	B110
MSTNR10CA09	B118
MSTNR12CA12	B118
MSYNL10CA09	B119
MSYNL12CA12	B119
MSYNL20CA15	B119
MSYNR10CA09	B119
MSYNR12CA12	B119
MSYNR16CA12	B119
MSYNR25CA19	B119
MSZNL2525M12	B110
MSZNR2525M12	B110
MTANLS2525M16	B133
MTANRS2020K16	B133
MTANRS2525M16	B133
MTENNS2020K16	B133
MTENNS2525M16	B133
MTENNS2525M22	B133
MTENNS3225P22	B133
MTFNL12CA16	B139
MTFNL16CA16	B139
MTFNL2020K16	B134
MTFNL20CA22	B139
MTFNL2525M16	B134
MTFNR12CA16	B139
MTFNR16CA16	B139
MTFNR20CA22	B139
MTFNR2525M16	B134
MTGNL12CA16	B140
MTGNL20CA22	B140
MTGNL2525M16	B134
MTGNL2525M22	B134
MTGNL3232P22	B134
MTGNR12CA16	B140
MTGNR1616H16	B134
MTGNR16CA16	B140
MTGNR2525M16	B134
MTGNR2525M22	B134
MTGNR3232P22	B134
MTJNL2020K16H4	B136
MTJNL2525M16H4	B136
MTJNL2525M22H4	B136
MTJNL3225P16H4	B136
MTJNR2020K16H4	B136
MTJNR2525M16H4	B136
MTJNR2525M22H4	B136
MTJNR3225P16H4	B136
MTJNR3225P22H4	B136
MTUNL12CA16	B141
MTUNL16CA16	B141
MTUNR20CA22	B141
MVJNL2020K16	B151
MVJNL2525M16	B151
MVJNL3225P16	B151
MVJNL3225P22	B151
MVJNL3232P16	B151
MVJNR2020K16	B151
MVJNR2525M16	B151
MVJNR3225P16	B151
MVJNR3225P22	B151
MVJNR3232P16	B151
MVONL2525M16	B151
MVONR2525M16	B151
MVVNN2020K16	B152
MVVNN2525M16	B152
MVVNN2525M22	B152
MVVNN3225P16	B152
MW25	U27–35, V146–147
MW3	U40–49
MWLNL2020K06	B162
MWLNL2020K08H4	B162
MWLNL2525M06	B162
MWLNL2525M08H4	B162
MWLNL3225P08H4	B162
MWLNL3232P08	B162
MWLNR2020K06	B162
MWLNR2020K08H4	B162
MWLNR2525M06	B162
MWLNR2525M08H4	B162
MWLNR3225P08H4	B162
MWLNR3232P08	B162
NA3L10 KC5025	D12
NA3L10 KCU25	D12
NA3L12 KC5010	D12
NA3L12 KC5025	D12
NA3L16 KCU10	D12
NA3L4 K68	D12
NA3L4 KC5010	D12
NA3L4 KC5025	D12
NA3L4 KCU10	D12
NA3L4 KCU25	D12
NA3L5 KC5010	D12
NA3L5 KC5025	D12
NA3L5 KCU25	D12
NA3L6 KC5010	D12
NA3L6 KC5025	D12
NA3L6 KCU25	D12
NA3L8 KC5010	D12
NA3L8 KC5025	D12
NA3L8 KCU10	D12
NA3L8 KCU25	D12
NA3R10 KC5010	D12
NA3R10 KC5025	D12
NA3R10 KCU10	D12
NA3R10 KCU25	D12
NA3R12 KC5025	D12
NA3R12 KCU10	D12
NA3R16 KCU10	D12
NA3R4 KC5010	D12
NA3R4 KC5025	D12
NA3R4 KCU25	D12
NA3R5 KC5010	D12
NA3R5 KC5025	D12
NA3R5 KCU10	D12
NA3R5 KCU25	D12
NA3R6 KC5010	D12
NA3R6 KC5025	D12
NA3R6 KCU10	D12
NA3R6 KCU25	D12
NA3R8 KC5010	D12
NA3R8 KC5025	D12
NA3R8 KCU10	D12
NA3R8 KCU25	D12
NA4L4 KC5025	D12
NA4L4 KCU10	D12
NA4L5 KC5025	D12
NA4L6 KC5025	D12
NA4L8 KCU25	D12
NA4R4 KC5010	D12
NA4R4 KC5025	D12
NA4R4 KCU25	D12
NA4R5 KC5025	D12
NA4R6 KC5025	D12
NA6L2 KC5010	D12
NA6L2 KC5025	D12
NA6L2 KCU25	D12
NA6L25 KCU25	D12
NA6L3 KC5025	D12
NA6L3 KCU25	D12
NA6R2 KC5010	D12
NA6R2 KC5025	D12
NA6R2 KCU10	D12
NA6R2 KCU25	D12
NA6R25 KC5025	D12
NA6R3 KC5025	D12
NA6R3 KCU25	D12
NAS3L10 KC5025	D13
NAS3L10 KCU10	D13
NAS3L12 KC5025	D13
NAS3L4 KC5025	D13
NAS3L4 KCU25	D13
NAS3L5 KC5025	D13
NAS3L5 KCU10	D13
NAS3L6 KC5010	D13
NAS3L6 KC5025	D13
NAS3L6 KCU10	D13
NAS3L6 KCU25	D13
NAS3L8 KC5010	D13
NAS3L8 KC5025	D13
NAS3L8 KCU10	D13
NAS3L8 KCU25	D13
NAS3R10 KC5010	D13
NAS3R10 KC5025	D13
NAS3R10 KCU10	D13
NAS3R12 KC5025	D13
NAS3R12 KCU25	D13
NAS3R16 KC5025	D13
NAS3R4 KC5025	D13
NAS3R4 KCU25	D13
NAS3R5 KC5025	D13
NAS3R5 KCU10	D13
NAS3R6 KC5010	D13
NAS3R6 KC5025	D13
NAS3R6 KCU10	D13
NAS3R8 KC5010	D13
NAS3R8 KC5025	D13
NAS3R8 KCU10	D13
NAS3R8 KCU25	D13
NASL1010M2Q	C167, D27
NASL1212M2Q	C167, D27
NASL1616K3Q	C167, D27
NASR1010M2Q	C167, D27
NASR1212M2Q	C167, D27
NASR1616K3Q	C167, D27
NB2L K313	C162
NB2R K313	C162
NB3L K313	C162
NB3R K313	C162
NB4L K313	C162
NB4R K313	C162
NBD2R K313	C163
NBD3L K313	C163
NBD3R K313	C163
ND3038L KC5025	D14
ND3038R KC5025	D14
ND3040L KCU25	D14
ND3040R KC5025	D14
ND4050R KCU25	D14
NDC3040L3 KC5010	D14
NDC3040R3 KC5025	D14
NDC310RDL75 KC5025	D15
NDC310RDR75 KC5025	D15
NDC3115VL75 KC5010	D16
NDC3115VL75 KCU10	D16
NDC3115VR75 KC5010	D16
NDC3115VR75 KCU10	D16
NDC314VR75 KCU10	D16
NDC327VR75 KCU10	D16
NDC38RDL75 KC5010	D15
NDC38RDL75 KC5025	D15
NDC38RDL75 KCU25	D15
NDC38RDR75 KC5010	D15
NDC38RDR75 KC5025	D15

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
NDC38RDR75 KCU25	D15
NDC38VL75 KC5010	D16
NDC38VR75 KC5010	D16
NDC4038L2 KC5025	D14
NDC4038R2 KC5025	D14
NDC4040R3 KC5025	D14
NDC4050L2 KC5025	D14
NDC4050R2 KC5025	D14
NDC4050R3 KC5025	D14
NDC68RDR75M KCU10	D15
NDC8115VR75M KCU10	D16
NDC88VL75M KC5010	D16
NDC88VR75M KC5010	D16
NDC88VR75M KCU10	D16
NEL12CA2	C171, D41–42
NEL1616H2	C168, D28
NEL2020K2	C168, D28
NEL2525M2	C168, D28
NEL2525M3	C168, D28
NEL2525M4	C168, D28
NEL25CA3	C171, D41–42
NEL3225P3	C168, D28
NEL3225P4	C168, D28
NEL3232P4	C168, D28
NER12CA2	C171, D41–42
NER1616H2	C168, D28
NER2020K2	C168, D28
NER2525M2	C168, D28
NER2525M3	C168, D28
NER2525M4	C168, D28
NER3225P3	C168, D28
NER3225P4	C168, D28
NER3232P4	C168, D28
NF3125L K313	C161
NF3125LK KC5025	C159
NF3125LK KCU25	C159
NF3125R K313	C161
NF3125RK KC5025	C159
NF3125RK KCU25	C159
NF3156LK KCU25	C159
NF3156RK KCU25	C159
NF3188L KCU25	C161
NF3188R KCU25	C161
NF3M200LK KC5025	C159
NF3M200RK KC5025	C159
NF3M300LK KC5025	C159
NF3M300RK KC5025	C159
NFD3125LK KC5025	C160
NFD3125LK KCU25	C160
NFD3125LKI KCU25	C160
NFD3125RK KC5025	C160
NFD3125RK KCU25	C160
NFD3125RKI KC5025	C160
NFD3125RKI KCU25	C160
NFD3189LKI KCU25	C160
NFD3189RKI KCU25	C160
NFD3M300LK KC5025	C160
NFD3M300RK KC5025	C160
NFD4189LK KC5025	C160
NFD4189LK KCU25	C160
NFD4189RK KCU25	C160
NFD4250LK KCU25	C160
NFD4250RK KCU25	C160
NG1031L KCU25	C155
NG1047L KC5025	C155
NG1047L KCU25	C155
NG1062L KC5025	C155
NG1062L KCU25	C155
NG1094L KC5025	C155
NG1094L KCU25	C155
NG2031L K313	C155
NG2031L KC5010	C155
NG2031L KCK20B	C155
NG2031L KCU10	C155
NG2031L KCU25	C155
NG2031LK KC5010	C147
NG2031LK KC5025	C147
NG2031LK KCP10B	C147
NG2031LK KCP25B	C147
NG2031LK KCU10	C147
NG2031LK KCU25	C147
NG2031R K313	C154
NG2031R KC5010	C154
NG2031R KC5025	C154
NG2031R KCK20B	C154
NG2031R KCU10	C154
NG2031R KCU25	C154
NG2031RK KC5010	C146
NG2031RK KC5025	C146
NG2031RK KCP10B	C146
NG2031RK KCP25B	C146
NG2031RK KCU10	C146
NG2031RK KCU25	C146
NG2031RK KT315	C146
NG2041L KC5010	C155
NG2041L KC5025	C155
NG2041L KCK20B	C155
NG2041L KCU25	C155
NG2041R K313	C154
NG2041R KC5010	C154
NG2041R KC5025	C154
NG2041R KCK20B	C154
NG2041R KCU10	C154
NG2041R KCU25	C154
NG2047L KC5010	C155
NG2047L KCU10	C155
NG2047L KCU25	C155
NG2047LK KC5010	C147
NG2047LK KC5025	C147
NG2047LK KCP10B	C147
NG2047LK KCP25B	C147
NG2047LK KCU10	C147
NG2047LK KCU25	C147
NG2047R KC5010	C154
NG2047R KCK20B	C154
NG2047R KCU10	C154
NG2047R KCU25	C154
NG2047RK KC5010	C146
NG2047RK KC5025	C146
NG2047RK KCP10B	C146
NG2047RK KCP25B	C146
NG2047RK KCU10	C146
NG2047RK KCU25	C146
NG2047RK KT315	C146
NG2058L KCU25	C155
NG2058R KC5025	C154
NG2058R KCU25	C154
NG2062L K313	C155
NG2062L KC5010	C155
NG2062L KC5025	C155
NG2062L KCK20B	C155
NG2062L KCU10	C155
NG2062L KCU25	C155
NG2062LK KC5010	C147
NG2062LK KC5025	C147
NG2062LK KCP10B	C147
NG2062LK KCP25B	C147
NG2062LK KCU10	C147
NG2062LK KCU25	C147
NG2062R K313	C154
NG2062R KC5010	C154
NG2062R KC5025	C154
NG2062R KCK20B	C154
NG2062R KCU10	C154
NG2062R KCU25	C154
NG2062RK KC5010	C146
NG2062RK KC5025	C146
NG2062RK KCP10B	C146
NG2062RK KCP25B	C146
NG2062RK KCU10	C146
NG2062RK KCU25	C146
NG2062RK KT315	C146
NG2094L K313	C155
NG2094L KC5010	C155
NG2094L KCK20B	C155
NG2094L KCU10	C155
NG2094L KCU25	C155
NG2094LK KC5010	C147
NG2094LK KC5025	C147
NG2094LK KCP10B	C147
NG2094LK KCP25B	C147
NG2094LK KCU10	C147
NG2094LK KCU25	C147
NG2094R K313	C154
NG2094R KC5010	C154
NG2094R KCK20B	C154
NG2094R KCU10	C154
NG2094R KCU25	C154
NG2094RK KC5010	C146
NG2094RK KC5025	C146
NG2094RK KCP10B	C146
NG2094RK KCP25B	C146
NG2094RK KCU10	C146
NG2094RK KCU25	C146
NG2094RK KT315	C146
NG2125L KC5010	C155
NG2125L KCK20B	C155
NG2125L KCU10	C155
NG2125L KCU25	C155
NG2125LK KC5010	C148
NG2125LK KC5025	C148
NG2125LK KCP10B	C148
NG2125LK KCP25B	C148
NG2125LK KCU10	C148
NG2125LK KCU25	C148
NG2125R KC5010	C154
NG2125R KCU10	C154
NG2125R KCU25	C154
NG2125RK KC5010	C146
NG2125RK KC5025	C146
NG2125RK KCP10B	C146
NG2125RK KCP25B	C146
NG2125RK KCU10	C146
NG2125RK KCU25	C146
NG2125RK KT315	C146
NG2M050LK KC5010	C147
NG2M050LK KCP25B	C147
NG2M050LK KCU10	C147
NG2M050LK KCU25	C147
NG2M050RK KC5010	C146
NG2M050RK KCP25B	C146
NG2M050RK KCU10	C146
NG2M050RK KCU25	C146
NG2M080LK KC5025	C147
NG2M080LK KCP10B	C147
NG2M080LK KCP25B	C147
NG2M080LK KCU10	C147
NG2M080LK KCU25	C147
NG2M080RK KC5025	C146
NG2M080RK KCP10B	C146
NG2M080RK KCP25B	C146
NG2M080RK KCU10	C146
NG2M080RK KCU25	C146
NG2M100LK KC5010	C147
NG2M100LK KC5025	C147
NG2M100LK KCP10B	C147
NG2M100LK KCP25B	C147
NG2M100LK KCU10	C147
NG2M100LK KCU25	C147
NG2M100RK KC5010	C146
NG2M100RK KC5025	C146
NG2M100RK KCP10B	C146
NG2M100RK KCP25B	C146
NG2M100RK KCU10	C146
NG2M100RK KCU25	C146
NG2M120LK KC5010	C147
NG2M120LK KC5025	C147
NG2M120LK KCP10B	C147
NG2M120LK KCP25B	C147
NG2M120LK KCU10	C147
NG2M120LK KCU25	C147
NG2M120RK KC5010	C146
NG2M120RK KC5025	C146
NG2M120RK KCP10B	C146
NG2M120RK KCP25B	C146
NG2M120RK KCU10	C146
NG2M120RK KCU25	C146
NG2M140LK KC5025	C147
NG2M140LK KCP10B	C147
NG2M140LK KCP25B	C147
NG2M140LK KCU10	C147
NG2M140LK KCU25	C147
NG2M140RK KC5010	C146
NG2M140RK KC5025	C146
NG2M140RK KCP10B	C146
NG2M140RK KCP25B	C146
NG2M140RK KCU10	C146
NG2M140RK KCU25	C146
NG2M150LK KC5025	C147
NG2M150LK KCP25B	C147
NG2M150LK KCU25	C147
NG2M150RK KC5025	C146
NG2M150RK KCP25B	C146
NG2M150RK KCU25	C146
NG2M170LK KC5010	C147
NG2M170LK KC5025	C147
NG2M170LK KCP10B	C147
NG2M170LK KCP25B	C147
NG2M170LK KCU25	C147
NG2M170RK KC5010	C146
NG2M170RK KC5025	C146
NG2M170RK KCP10B	C146
NG2M170RK KCP25B	C146
NG2M170RK KCU10	C146
NG2M170RK KCU25	C146
NG2M175LK KC5025	C147
NG2M175LK KCP25B	C147
NG2M175LK KCU25	C147
NG2M175RK KCP25B	C146
NG2M175RK KCU25	C146
NG2M195LK KC5010	C147
NG2M195LK KCP10B	C147
NG2M195LK KCP25B	C147
NG2M195LK KCU25	C147
NG2M195RK KC5010	C146
NG2M195RK KC5025	C146
NG2M195RK KCP10B	C146
NG2M195RK KCP25B	C146
NG2M195RK KCU10	C146
NG2M195RK KCU25	C146
NG2M200LK KC5010	C147
NG2M200LK KC5025	C147
NG2M200LK KCP10B	C147
NG2M200LK KCP25B	C147
NG2M200LK KCU10	C147
NG2M200LK KCU25	C147
NG2M200RK KC5010	C146
NG2M200RK KC5025	C146
NG2M200RK KCP10B	C146
NG2M200RK KCP25B	C146
NG2M200RK KCU10	C146
NG2M200RK KCU25	C146
NG2M200RK KT315	C146
NG2M220LK KCP25B	C147
NG2M220LK KCU25	C147
NG2M220RK KC5025	C146
NG2M220RK KCP25B	C146
NG2M220RK KCU25	C146
NG2M225LK KC5025	C147
NG2M225LK KCP10B	C147
NG2M225LK KCP25B	C147
NG2M225LK KCU10	C147
NG2M225LK KCU25	C147
NG2M225RK KC5025	C146
NG2M225RK KCP10B	C146
NG2M225RK KCP25B	C146
NG2M225RK KCU10	C146
NG2M225RK KCU25	C146
NG2M250LK KC5025	C147
NG2M250LK KCP25B	C147
NG2M250LK KCU25	C147
NG2M250RK KC5025	C146
NG2M250RK KCP25B	C146
NG2M250RK KCU25	C146
NG2M275LK KC5010	C147
NG2M275LK KCP25B	C147
NG2M275LK KCU10	C147
NG2M275LK KCU25	C147
NG2M275RK KC5025	C146
NG2M275RK KCP10B	C146
NG2M275RK KCP25B	C146
NG2M275RK KCU10	C146
NG2M275RK KCU25	C146
NG2M300LK KC5010	C148
NG2M300LK KC5025	C148
NG2M300LK KCP10B	C148
NG2M300LK KCP25B	C148
NG2M300LK KCU10	C148

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
NG2M300LK KCU25	C148
NG2M300RK KC5010	C146
NG2M300RK KC5025	C146
NG2M300RK KCP10B	C146
NG2M300RK KCP25B	C146
NG2M300RK KCU10	C146
NG2M300RK KCU25	C146
NG2M320RK KCP25B	C146
NG2M325LK KCP25B	C148
NG2M325LK KCU25	C148
NG2M325RK KC5025	C146
NG2M325RK KCP25B	C146
NG2M325RK KCU25	C146
NG3047L K313	C155
NG3047L KC5010	C155
NG3047L KCK20B	C155
NG3047L KCU10	C155
NG3047L KCU25	C155
NG3047LK KC5010	C148
NG3047LK KC5025	C148
NG3047LK KCP10B	C148
NG3047LK KCP25B	C148
NG3047LK KCU10	C148
NG3047LK KCU25	C148
NG3047R K313	C154
NG3047R KC5010	C154
NG3047R KC5025	C154
NG3047R KCK20B	C154
NG3047R KCU10	C154
NG3047R KCU25	C154
NG3047RK KC5010	C146
NG3047RK KC5025	C146
NG3047RK KCP10B	C146
NG3047RK KCP25B	C146
NG3047RK KCU10	C146
NG3047RK KCU25	C146
NG3062L K313	C155
NG3062L KC5010	C155
NG3062L KC5025	C155
NG3062L KCK20B	C155
NG3062L KCU10	C155
NG3062L KCU25	C155
NG3062LEST KB1630	C163
NG3062LEST KD1425	C163
NG3062LK KC5010	C148
NG3062LK KC5025	C148
NG3062LK KCU10	C148
NG3062LK KCU25	C148
NG3062R K313	C154
NG3062R KC5010	C154
NG3062R KC5025	C154
NG3062R KCK20B	C154
NG3062R KCU10	C154
NG3062R KCU25	C154
NG3062REST KB1630	C163
NG3062REST KD1425	C163
NG3062RK KC5010	C146
NG3062RK KC5025	C146
NG3062RK KCP10B	C146
NG3062RK KCP25B	C146
NG3062RK KCU10	C146
NG3062RK KCU25	C146
NG3062RK KT315	C146
NG3072L KC5010	C155
NG3072L KCU10	C155
NG3072LK KC5010	C148
NG3072LK KC5025	C148
NG3072LK KCP10B	C148
NG3072LK KCP25B	C148
NG3072LK KCU10	C148
NG3072LK KCU25	C148
NG3072R KC5010	C154
NG3072R KCK20B	C154
NG3072R KCU10	C154
NG3072RK KC5010	C146
NG3072RK KC5025	C146
NG3072RK KCP10B	C146
NG3072RK KCP25B	C146
NG3072RK KCU10	C146
NG3072RK KCU25	C146
NG3078L KCU10	C155
NG3078LK KC5010	C148
NG3078LK KC5025	C148
NG3078LK KCP10B	C148
NG3078LK KCP25B	C148
NG3078LK KCU10	C148
NG3078LK KCU25	C148
NG3078R KC5010	C154
NG3078R KCK20B	C154
NG3078R KCU10	C154
NG3078RK KC5010	C146
NG3078RK KC5025	C146
NG3078RK KCP10B	C146
NG3078RK KCP25B	C146
NG3078RK KCU10	C146
NG3078RK KCU25	C146
NG3088L KC5010	C155
NG3088L KCU10	C155
NG3088L KCU25	C155
NG3088R KC5010	C154
NG3088R KCK20B	C154
NG3088R KCU10	C154
NG3088R KCU25	C154
NG3094L K313	C155
NG3094L KC5010	C155
NG3094L KC5025	C155
NG3094L KCK20B	C155
NG3094L KCU10	C155
NG3094L KCU25	C155
NG3094LEST KB1630	C163
NG3094LEST KD1425	C163
NG3094LK KC5010	C148
NG3094LK KC5025	C148
NG3094LK KCP10B	C148
NG3094LK KCP25B	C148
NG3094LK KCU10	C148
NG3094LK KCU25	C148
NG3094LK KT315	C148
NG3094R K313	C154
NG3094R KC5010	C154
NG3094R KC5025	C154
NG3094R KCK20B	C154
NG3094R KCU10	C154
NG3094R KCU25	C154
NG3094REST KB1630	C163
NG3094REST KD1425	C163
NG3094RK KC5010	C146
NG3094RK KC5025	C146
NG3094RK KCP10B	C146
NG3094RK KCU10	C146
NG3094RK KCU25	C146
NG3094RK KT315	C146
NG3097L KCU10	C155
NG3097L KCU25	C155
NG3097R KC5010	C154
NG3097R KCK20B	C154
NG3097R KCU10	C154
NG3097R KCU25	C154
NG3105L KC5010	C155
NG3105L KCU10	C155
NG3105L KCU25	C155
NG3105R KC5010	C154
NG3105R KC5025	C154
NG3105R KCK20B	C154
NG3105R KCU10	C154
NG3105R KCU25	C154
NG3110L KC5025	C155
NG3110L KCU25	C155
NG3110R KC5025	C154
NG3110R KCU25	C154
NG3122L KCU25	C155
NG3122R KCU25	C154
NG3125L K313	C155
NG3125L KC5010	C155
NG3125L KC5025	C155
NG3125L KCK20B	C155
NG3125L KCU10	C155
NG3125L KCU25	C155
NG3125LEST KB1630	C163
NG3125LK KC5010	C148
NG3125LK KC5025	C148
NG3125LK KCP10B	C148
NG3125LK KCP25B	C148
NG3125LK KCU10	C148
NG3125LK KCU25	C148
NG3125LS0820ST KB1630	C163
NG3125R K313	C154
NG3125R KC5010	C154
NG3125R KC5025	C154
NG3125R KCK20B	C154
NG3125R KCU10	C154
NG3125R KCU25	C154
NG3125REST KB1630	C163
NG3125REST KD1425	C163
NG3125RK KC5010	C147
NG3125RK KC5025	C147
NG3125RK KCP10B	C147
NG3125RK KCP25B	C147
NG3125RK KCU10	C147
NG3125RK KCU25	C147
NG3125RK KT315	C147
NG3125RS0820ST KB1630	C163
NG3125RS0820ST KB5625	C163
NG3142L KCU10	C155
NG3142L KCU25	C155
NG3142R KC5010	C154
NG3142R KCU25	C154
NG3156L KC5025	C155
NG3156L KCU25	C155
NG3156LK KC5010	C148
NG3156LK KC5025	C148
NG3156LK KCP10B	C148
NG3156LK KCP25B	C148
NG3156LK KCU10	C148
NG3156LK KCU25	C148
NG3156R KC5010	C154
NG3156R KC5025	C154
NG3156R KCK20B	C154
NG3156R KCU10	C154
NG3156R KCU25	C154
NG3156RK KC5010	C147
NG3156RK KC5025	C147
NG3156RK KCP10B	C147
NG3156RK KCP25B	C147
NG3156RK KCU10	C147
NG3156RK KCU25	C147
NG3178L KCU25	C155
NG3178R KC5025	C154
NG3185L KC5025	C155
NG3185R KCU25	C154
NG3189L KC5010	C155
NG3189L KC5025	C155
NG3189L KCK20B	C155
NG3189L KCU10	C155
NG3189L KCU25	C155
NG3189LK KC5010	C148
NG3189LK KC5025	C148
NG3189LK KCP10B	C148
NG3189LK KCP25B	C148
NG3189LK KCU10	C148
NG3189LK KCU25	C148
NG3189R K313	C154
NG3189R KC5010	C154
NG3189R KC5025	C154
NG3189R KCK20B	C154
NG3189R KCU10	C154
NG3189R KCU25	C154
NG3189REST KD1425	C163
NG3189RK KC5010	C147
NG3189RK KC5025	C147
NG3189RK KCP10B	C147
NG3189RK KCP25B	C147
NG3189RK KCU10	C147
NG3189RK KCU25	C147
NG3M100LK KC5025	C148
NG3M100LK KCP25B	C148
NG3M100LK KCU25	C148
NG3M100RK KC5025	C146
NG3M100RK KCP25B	C146
NG3M100RK KCU25	C146
NG3M120LK KC5025	C148
NG3M120LK KCP10B	C148
NG3M120LK KCP25B	C148
NG3M120LK KCU10	C148
NG3M120LK KCU25	C148
NG3M120RK KC5025	C146
NG3M120RK KCP10B	C146
NG3M120RK KCP25B	C146
NG3M120RK KCU10	C146
NG3M120RK KCU25	C146
NG3M150LK KC5025	C148
NG3M150LK KCP25B	C148
NG3M150LK KCU25	C148
NG3M150RK KC5025	C146
NG3M150RK KCP25B	C146
NG3M150RK KCU25	C146
NG3M175LK KC5025	C148
NG3M175LK KCP25B	C148
NG3M175LK KCU25	C148
NG3M175RK KC5025	C146
NG3M175RK KCP25B	C146
NG3M175RK KCU25	C146
NG3M200LK KC5025	C148
NG3M200LK KCP25B	C148
NG3M200LK KCU25	C148
NG3M200LS02020ST KB5625	C163
NG3M200RK KC5025	C146
NG3M200RK KCP25B	C146
NG3M200RK KCU25	C146
NG3M200RK KT315	C146
NG3M200RS02020ST KB1630	C163
NG3M200RS02020ST KB5625	C163
NG3M220LK KC5025	C148
NG3M220LK KCP25B	C148
NG3M220LK KCU25	C148
NG3M220RK KC5025	C146
NG3M220RK KCP25B	C146
NG3M220RK KCU25	C146
NG3M225LK KCP10B	C148
NG3M225LK KCP25B	C148
NG3M225LK KCU10	C148
NG3M225LK KCU25	C148
NG3M225RK KC5010	C146
NG3M225RK KC5025	C146
NG3M225RK KCP10B	C146
NG3M225RK KCP25B	C146
NG3M225RK KCU10	C146
NG3M225RK KCU25	C146
NG3M250LK KC5025	C148
NG3M250LK KCP25B	C148
NG3M250LK KCU25	C148
NG3M250RK KC5025	C146
NG3M250RK KCP25B	C146
NG3M250RK KCU25	C146
NG3M275LK KC5025	C148
NG3M275LK KCP10B	C148
NG3M275LK KCP25B	C148
NG3M275LK KCU10	C148
NG3M275LK KCU25	C148
NG3M275RK KC5010	C147
NG3M275RK KC5025	C147
NG3M275RK KCP10B	C147
NG3M275RK KCP25B	C147
NG3M275RK KCU10	C147
NG3M275RK KCU25	C147
NG3M300LK KC5010	C148
NG3M300LK KC5025	C148
NG3M300LK KCP10B	C148
NG3M300LK KCP25B	C148
NG3M300LK KCU10	C148
NG3M300LK KCU25	C148
NG3M300RK KC5010	C147
NG3M300RK KC5025	C147
NG3M300RK KCP10B	C147
NG3M300RK KCP25B	C147
NG3M300RK KCU10	C147
NG3M300RK KCU25	C147
NG3M300RS02020ST KB1630	C163
NG3M300RS02020ST KB5625	C163
NG3M320LK KC5025	C148
NG3M320LK KCP25B	C148
NG3M320LK KCU25	C148
NG3M320RK KC5025	C147
NG3M320RK KCP25B	C147
NG3M320RK KCU25	C147
NG3M325LK KC5025	C148
NG3M325LK KCP25B	C148
NG3M325LK KCU25	C148

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
NG3M325RK KC5025	C147
NG3M325RK KCP25B	C147
NG3M325RK KCU25	C147
NG3M350LK KC5025	C148
NG3M350LK KCP25B	C148
NG3M350LK KCU25	C148
NG3M350RK KC5025	C147
NG3M350RK KCP25B	C147
NG3M350RK KCU25	C147
NG3M400LK KC5025	C148
NG3M400LK KCP10B	C148
NG3M400LK KCP25B	C148
NG3M400LK KCU10	C148
NG3M400LK KCU25	C148
NG3M400RK KC5010	C147
NG3M400RK KC5025	C147
NG3M400RK KCP10B	C147
NG3M400RK KCP25B	C147
NG3M400RK KCU10	C147
NG3M400RK KCU25	C147
NG3M400RS02020ST KB5625	C163
NG3M425LK KCP10B	C148
NG3M425LK KCP25B	C148
NG3M425LK KCU10	C148
NG3M425LK KCU25	C148
NG3M425RK KC5025	C147
NG3M425RK KCP10B	C147
NG3M425RK KCP25B	C147
NG3M425RK KCU10	C147
NG3M425RK KCU25	C147
NG3M450LK KCP25B	C148
NG3M450LK KCU25	C148
NG3M450RK KCP25B	C147
NG3M450RK KCU25	C147
NG4125L K313	C155
NG4125L KCU10	C155
NG4125L KCU25	C155
NG4125LK KCP10B	C148
NG4125LK KCP25B	C148
NG4125LK KCU10	C148
NG4125LK KCU25	C148
NG4125R K313	C154
NG4125R KCK20B	C154
NG4125R KCU10	C154
NG4125R KCU25	C154
NG4125RK KC5010	C147
NG4125RK KCP10B	C147
NG4125RK KCP25B	C147
NG4125RK KCU10	C147
NG4125RK KCU25	C147
NG4189L KC5010	C155
NG4189L KCK20B	C155
NG4189L KCU10	C155
NG4189L KCU25	C155
NG4189LEST KB1630	C155, C163
NG4189LK KC5010	C148
NG4189LK KC5025	C148
NG4189LK KCP10B	C148
NG4189LK KCP25B	C148
NG4189LK KCU10	C148
NG4189LK KCU25	C148
NG4189R K313	C154
NG4189R KC5010	C154
NG4189R KCK20B	C154
NG4189R KCU10	C154
NG4189R KCU25	C154
NG4189REST KB1630	C163
NG4189RK KC5010	C147
NG4189RK KC5025	C147
NG4189RK KCP10B	C147
NG4189RK KCP25B	C147
NG4189RK KCU10	C147
NG4189RK KCU25	C147
NG4213R KCU25	C154
NG4250L KC5010	C155
NG4250L KC5025	C155
NG4250L KCK20B	C155
NG4250L KCU10	C155
NG4250L KCU25	C155
NG4250LK KC5010	C148
NG4250LK KC5025	C148
NG4250LK KCP10B	C148
NG4250LK KCP25B	C148
NG4250LK KCU10	C148
NG4250LK KCU25	C148
NG4250R KC5010	C154
NG4250R KC5025	C154
NG4250R KCK20B	C154
NG4250R KCU10	C154
NG4250R KCU25	C154
NG4250RK KC5010	C147
NG4250RK KC5025	C147
NG4250RK KCP10B	C147
NG4250RK KCP25B	C147
NG4250RK KCU25	C147
NG4M300LK KCP25B	C148
NG4M300LK KCU25	C148
NG4M300RK KCP25B	C147
NG4M300RK KCU25	C147
NG4M320LK KCP25B	C148
NG4M350LK KCP25B	C148
NG4M350LK KCU25	C148
NG4M350RK KCP25B	C147
NG4M350RK KCU25	C147
NG4M400LK KCP10B	C148
NG4M400LK KCP25B	C148
NG4M400LK KCU10	C148
NG4M400LK KCU25	C148
NG4M400RK KC5010	C147
NG4M400RK KC5025	C147
NG4M400RK KCP10B	C147
NG4M400RK KCP25B	C147
NG4M400RK KCU25	C147
NG4M450LK KC5025	C148
NG4M450LK KCP25B	C148
NG4M450LK KCU25	C148
NG4M450RK KCP25B	C147
NG4M450RK KCU25	C147
NG4M500LK KC5010	C148
NG4M500LK KCP10B	C148
NG4M500LK KCP25B	C148
NG4M500LK KCU10	C148
NG4M500LK KCU25	C148
NG4M500RK KCP10B	C147
NG4M500RK KCP25B	C147
NG4M500RK KCU10	C147
NG4M500RK KCU25	C147
NG4M550LK KCP25B	C148
NG4M550RK KCP25B	C147
NG4M600LK KCP25B	C148
NG4M600LK KCU25	C148
NG4M600RK KCP25B	C147
NG4M600RK KCU25	C147
NG5312R KCU25	C154
NG6375R KCU25	C154
NGC2C130L055K KCU25	C152
NGC2C130R055K KCU25	C152
NGC2C185L125K KCU25	C152
NGC2C215L150K KCU25	C152
NGC2C215R150K KCU25	C152
NGD2M150LK KC5025	C149
NGD2M150LK KCU10	C149
NGD2M150LK KCU25	C149
NGD2M150RK KC5010	C149
NGD2M150RK KC5025	C149
NGD2M150RK KCU10	C149
NGD2M150RK KCU25	C149
NGD2M200LK KC5010	C149
NGD2M200LK KC5025	C149
NGD2M200LK KCU10	C149
NGD2M200LK KCU25	C149
NGD2M200RK KC5010	C149
NGD2M200RK KC5025	C149
NGD2M200RK KCU10	C149
NGD2M200RK KCU25	C149
NGD2M250LK KC5010	C149
NGD2M250LK KC5025	C149
NGD2M250LK KCU10	C149
NGD2M250LK KCU25	C149
NGD2M250RK KC5025	C149
NGD2M250RK KCU10	C149
NGD2M250RK KCU25	C149
NGD3062LK KC5010	C149
NGD3062LK KC5025	C149
NGD3062LK KCU10	C149
NGD3062LK KCU25	C149
NGD3062RK K313	C149
NGD3062RK KC5010	C149
NGD3062RK KC5025	C149
NGD3062RK KCU10	C149
NGD3062RK KCU25	C149
NGD3094LK K313	C149
NGD3094LK KC5010	C149
NGD3094LK KC5025	C149
NGD3094LK KCU10	C149
NGD3094LK KCU25	C149
NGD3094RK K313	C149
NGD3094RK KC5010	C149
NGD3094RK KC5025	C149
NGD3094RK KCU10	C149
NGD3094RK KCU25	C149
NGD3125LK K313	C149
NGD3125LK KC5010	C149
NGD3125LK KC5025	C149
NGD3125LK KCU10	C149
NGD3125LK KCU25	C149
NGD3125RK K313	C149
NGD3125RK KC5010	C149
NGD3125RK KC5025	C149
NGD3125RK KCU10	C149
NGD3125RK KCU25	C149
NGD3189L K313	C157
NGD3189L KC5010	C157
NGD3189L KCU10	C157
NGD3189LK KC5010	C149
NGD3189LK KC5025	C149
NGD3189LK KCU10	C149
NGD3189LK KCU25	C149
NGD3189R K313	C157
NGD3189R KCU10	C157
NGD3189RK KC5010	C149
NGD3189RK KC5025	C149
NGD3189RK KCU10	C149
NGD3189RK KCU25	C149
NGD3M200LK KC5025	C149
NGD3M200LK KCU25	C149
NGD3M200RK KC5010	C149
NGD3M200RK KC5025	C149
NGD3M200RK KCU10	C149
NGD3M200RK KCU25	C149
NGD3M250LK KC5025	C149
NGD3M250LK KCU25	C149
NGD3M250RK KC5010	C149
NGD3M250RK KC5025	C149
NGD3M250RK KCU25	C149
NGD3M300LK KC5010	C149
NGD3M300LK KC5025	C149
NGD3M300LK KCU10	C149
NGD3M300LK KCU25	C149
NGD3M300RK KC5010	C149
NGD3M300RK KC5025	C149
NGD3M300RK KCU10	C149
NGD3M300RK KCU25	C149
NGD3M350LK KC5025	C149
NGD3M350LK KCU25	C149
NGD3M400LK KC5025	C149
NGD3M400LK KCU10	C149
NGD3M400LK KCU25	C149
NGD3M400RK KC5010	C149
NGD3M400RK KC5025	C149
NGD3M400RK KCU10	C149
NGD3M400RK KCU25	C149
NGD4125LK KC5010	C149
NGD4125LK KC5025	C149
NGD4125LK KCU10	C149
NGD4125LK KCU25	C149
NGD4125RK KC5010	C149
NGD4125RK KC5025	C149
NGD4125RK KCU10	C149
NGD4125RK KCU25	C149
NGD4189LK KC5010	C149
NGD4189LK KC5025	C149
NGD4189LK KCU10	C149
NGD4189LK KCU25	C149
NGD4189RK KC5010	C149
NGD4189RK KC5025	C149
NGD4189RK KCU10	C149
NGD4189RK KCU25	C149
NGD4250L K313	C157
NGD4250L KC5010	C157
NGD4250L KCU10	C157
NGD4250LK KC5025	C149
NGD4250LK KCU10	C149
NGD4250LK KCU25	C149
NGD4250R K313	C157
NGD4250R KCU10	C157
NGD4250RK KC5010	C149
NGD4250RK KC5025	C149
NGD4250RK KCU10	C149
NGD4250RK KCU25	C149
NGD4M400LK KCU25	C149
NGD4M500LK KCU25	C149
NGD4M550RK KCU25	C149
NGP2031L KCU10	C152
NGP2031R KC5010	C152
NGP2031R KCU10	C152
NGP2062L KCU10	C152
NGP2062R KC5010	C152
NGP2062R KCU10	C152
NGP2125L KCU10	C152
NGP2125R KCU10	C152
NGP3088L KCU10	C152
NGP3088R KCU10	C152
NGP3088R KD1425	C152
NGP3125L KC5010	C152
NGP3125R KC5010	C152
NGP3125R KCU10	C152
NGP3125R KD1425	C152
NGP3156R KCU10	C152
NGP4189R KCU10	C152
NGP4250L KCU10	C152
NGP4250R KC5010	C152
NJ3010L16 KC5025	D17
NJ3010R16 K68	D17
NJ3010R16 KC5025	D17
NJ3010R16 KCU25	D17
NJ3014L12 KC5010	D17
NJ3014L12 KC5025	D17
NJ3014R12 KC5010	D17
NJ3014R12 KC5025	D17
NJ3014R12 KCU10	D17
NJ3014R12 KCU25	D17
NJ3020L8 KC5025	D17
NJ3020R8 KC5010	D17
NJ3020R8 KC5025	D17
NJF3005R32 KC5010	D17
NJF3005R32 KCU10	D17
NJF3006R28 KC5010	D17
NJF3006R28 KC5025	D17
NJF3007L24 KC5010	D17
NJF3007R24 KC5010	D17
NJF3007R24 KC5025	D17
NJF3008L20 KC5010	D17
NJF3008R20 KC5010	D17
NJF3008R20 KC5025	D17
NJF3009R18 K68	D17
NJF3009R18 KC5010	D17
NJF3009R18 KC5025	D17
NJF3009R18 KCU25	D17
NJF3010L16 KC5010	D17
NJF3010R16 KC5010	D17
NJF3010R16 KC5025	D17
NJF3012R14 KC5010	D17
NJF3012R14 KC5025	D17
NJF3012R14 KCU25	D17
NJK3005L32 KC5025	D18
NJK3005R32 KC5010	D18
NJK3005R32 KC5025	D18
NJK3006L28 KC5025	D18
NJK3006R28 KC5010	D18
NJK3006R28 KCU25	D18
NJK3007R24 KC5010	D18
NJK3007R24 KC5025	D18
NJK3007R24 KCU25	D18
NJK3008R20 KC5010	D18
NJK3008R20 KC5025	D18
NJK3008R20 KCU10	D18
NJK3008R20 KCU25	D18

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
NJK3009R18 KC5010	D18
NJK3009R18 KC5025	D18
NJK3010R16 KC5010	D18
NJK3010R16 KC5025	D18
NJK3010R16 KCU25	D18
NJK3012R14 KC5010	D18
NJK3012R14 KC5025	D18
NJP3010L16 KC5025	D18
NJP3010R16 KC5010	D18
NJP3010R16 KC5025	D18
NJP3010R16 KCU10	D18
NJP3014L12 KC5010	D18
NJP3014R12 K68	D18
NJP3014R12 KC5010	D18
NJP3014R12 KC5025	D18
NJP3014R12 KCU10	D18
NJP3014R12 KCU25	D18
NJP3020L8 KC5025	D18
NJP3020R8 KC5010	D18
NJP3020R8 KC5025	D18
NJP3020R8 KCU25	D18
NKLCL2020K11	E36
NKLCL2525M11	E36
NKLCR1616H11	E36
NKLCR2020K11	E36
NKLCR2525M11	E36
NKLCRF1212M11Q	E36
NKLNL2020K15	E37
NKLNL2525M15	E37
NKLNR2020K15	E37
NKLNR2525M15	E37
NLW-0.375 S	T115, T118
NLW-16SP S	T118
NLW12SP WASHER	T118
NP2002RK KC5010	C151
NP2002RK KC5025	C151
NP2002RK KCU10	C151
NP2002RK KCU25	C151
NP2012RK KCU25	C151
NP3002RK KC5010	C151
NP3002RK KCU10	C151
NP3002RK KCU25	C151
NP3012RK KC5025	C151
NP3012RK KCU25	C151
NPD2002RK KC5010	C151
NPD2002RK KCU25	C151
NPD3002RK KCU25	C151
NPD3012RK KC5010	C151
NPD3012RK KCU10	C151
NPD3012RK KCU25	C151
NR2031L KC5010	C158
NR2031L KC5025	C158
NR2031L KCU10	C158
NR2031L KCU25	C158
NR2031R KC5010	C158
NR2031R KC5025	C158
NR2031R KCU10	C158
NR2031R KCU25	C158
NR2047L KCU25	C158
NR2047R KCU25	C158
NR2062L KC5010	C158
NR2062L KCU10	C158
NR2062L KCU25	C158
NR2062R KC5010	C158
NR2062R KCU10	C158
NR2062R KCU25	C158
NR2M050L KC5010	C158
NR2M050L KCU10	C158
NR2M050L KCU25	C158
NR2M050R KC5010	C158
NR2M050R KC5025	C158
NR2M050R KCU10	C158
NR2M050R KCU25	C158
NR2M075R KC5010	C158
NR2M075R KCU10	C158
NR2M100L KC5025	C158
NR2M100R KC5010	C158
NR2M100R KC5025	C158
NR2M100R KCU10	C158
NR2M125R KC5025	C158
NR2M150L KC5025	C158
NR2M150R KC5025	C158
NR2M175R KC5025	C158
NR3031L K313	C158
NR3031L KC5010	C158
NR3031L KC5025	C158
NR3031L KCU10	C158
NR3031L KCU25	C158
NR3031LK KC5010	C150
NR3031LK KC5025	C150
NR3031LK KCU10	C150
NR3031LK KCU25	C150
NR3031R K313	C158
NR3031R KC5010	C158
NR3031R KC5025	C158
NR3031R KCU10	C158
NR3031R KCU25	C158
NR3031RK KC5010	C150
NR3031RK KC5025	C150
NR3031RK KCU10	C150
NR3031RK KCU25	C150
NR3047L K313	C158
NR3047L KC5010	C158
NR3047L KCU10	C158
NR3047L KCU25	C158
NR3047LK KC5010	C150
NR3047LK KC5025	C150
NR3047LK KCU10	C150
NR3047LK KCU25	C150
NR3047R K313	C158
NR3047R KC5010	C158
NR3047R KCU10	C158
NR3047R KCU25	C158
NR3047RK KC5010	C150
NR3047RK KC5025	C150
NR3047RK KCU10	C150
NR3047RK KCU25	C150
NR3062L K313	C158
NR3062L KC5010	C158
NR3062L KC5025	C158
NR3062L KCU10	C158
NR3062L KCU25	C158
NR3062LK KC5010	C150
NR3062LK KC5025	C150
NR3062LK KCU10	C150
NR3062LK KCU25	C150
NR3062R K313	C158
NR3062R KC5010	C158
NR3062R KC5025	C158
NR3062R KCU10	C158
NR3062R KCU25	C158
NR3062RK KC5010	C150
NR3062RK KC5025	C150
NR3062RK KCU10	C150
NR3062RK KCU25	C150
NR3078LK KC5010	C150
NR3078LK KC5025	C150
NR3078LK KCU25	C150
NR3078R K313	C158
NR3078RK KC5010	C150
NR3078RK KCU10	C150
NR3078RK KCU25	C150
NR3094L K313	C158
NR3094L KC5010	C158
NR3094L KC5025	C158
NR3094L KCU25	C158
NR3094R KC5010	C158
NR3094R KC5025	C158
NR3094R KCU10	C158
NR3094R KCU25	C158
NR3M100L KC5025	C158
NR3M100R KC5025	C158
NR3M150L KC5010	C158
NR3M150L KC5025	C158
NR3M150L KCU10	C158
NR3M150R KC5025	C158
NR3M200L KC5025	C158
NR3M200R KC5025	C158
NR4062LK KC5010	C150
NR4062LK KCU10	C150
NR4062LK KCU25	C150
NR4062RK KC5010	C150
NR4062RK KCU10	C150
NR4062RK KCU25	C150
NR4094LK KC5010	C150
NR4094LK KC5025	C150
NR4094LK KCU10	C150
NR4094LK KCU25	C150
NR4094R K313	C158
NR4094RK KC5010	C150
NR4094RK KCU10	C150
NR4094RK KCU25	C150
NR4125L KC5010	C158
NR4125L KCU25	C158
NR4125LK KC5010	C150
NR4125LK KCU10	C150
NR4125LK KCU25	C150
NR4125R KC5010	C158
NR4125R KCU10	C158
NR4125R KCU25	C158
NR4125RK KC5010	C150
NR4125RK KC5025	C150
NR4125RK KCU10	C150
NR4125RK KCU25	C150
NRD3031L KC5010	C159
NRD3031L KC5025	C159
NRD3031L KCU10	C159
NRD3031L KCU25	C159
NRD3031R KC5010	C159
NRD3031R KC5025	C159
NRD3031R KCU10	C159
NRD3031R KCU25	C159
NRD3062L KC5010	C159
NRD3062L KC5025	C159
NRD3062L KCU10	C159
NRD3062L KCU25	C159
NRD3062R KC5010	C159
NRD3062R KC5025	C159
NRD3062R KCU10	C159
NRD3062R KCU25	C159
NRD4062L KC5010	C159
NRD4062L KC5025	C159
NRD4062L KCU10	C159
NRD4062L KCU25	C159
NRD4062R KC5010	C159
NRD4062R KCU10	C159
NRD4062R KCU25	C159
NRD4094L KC5010	C159
NRD4094L KCU10	C159
NRD4094L KCU25	C159
NRD4094R KC5010	C159
NRD4094R KCU10	C159
NRD4125L KC5010	C159
NRD4125L KC5025	C159
NRD4125L KCU10	C159
NRD4125L KCU25	C159
NRD4125R KC5010	C159
NRD4125R KCU25	C159
NRL2020K3	C168
NRL2525M3	C168
NRL3225P3	C168
NRP3031L KC5010	C153
NRP3031L KCU10	C153
NRP3031R KC5010	C153
NRP3031R KCU10	C153
NRP3047L KC5010	C153
NRP3047L KCU10	C153
NRP3047R K313	C153
NRP3047R KC5010	C153
NRP3047R KCU10	C153
NRP3062L KC5010	C153
NRP3062R KC5010	C153
NRP3062R KCU10	C153
NRP3094L KC5010	C153
NRP3094L KCU10	C153
NRP3094R KC5010	C153
NRP3094R KCU10	C153
NRR2020K3	C168
NRR2525M3	C168
NRR3225P3	C168
NSL1010E2	C166, D29
NSL1212F2	C166, D29
NSL1616H2	C166, D29
NSL2020K2	C166, D29
NSL2020K3	C166, D29
NSL2525M2	C166, D29
NSL2525M3	C166, D29
NSL2525M4	C166, D29
NSL3225P3	C166, D29
NSL3225P4	C166, D29
NSL3232P3	C166, D29
NSL3232P4	C166, D29
NSR1010E2	C166, D29
NSR1212F2	C166, D29
NSR1616H2	C166, D29
NSR2020K2	C166, D29
NSR2020K3	C166, D29
NSR2525M2	C166, D29
NSR2525M3	C166, D29
NSR2525M4	C166, D29
NSR3225P3	C166, D29
NSR3225P4	C166, D29
NSR3232P3	C166, D29
NSR3232P4	C166, D29
NST1	B168, B370
NST2	B168, B370
NST3	B168, B370
NST4	B168, B370
NT1L K68	D25
NT1L KC5010	D25
NT1L KC5025	D25
NT1L KCU10	D25
NT1L KCU25	D25
NT2L K68	D19
NT2L KC5010	D19
NT2L KC5025	D19
NT2L KCU10	D19
NT2L KCU25	D19
NT2LK KC5010	D24
NT2LK KC5025	D24
NT2LK KCU10	D24
NT2LK KCU25	D24
NT2R K68	D19
NT2R KC5010	D19
NT2R KC5025	D19
NT2R KCU10	D19
NT2R KCU25	D19
NT2RK KC5010	D24
NT2RK KC5025	D24
NT2RK KCU10	D24
NT2RK KCU25	D24
NT3L K68	D19
NT3L KC5010	D19
NT3L KC5025	D19
NT3L KCU10	D19
NT3L KCU25	D19
NT3LCK KC5010	D21
NT3LCK KC5025	D21
NT3LCK KCU10	D21
NT3LCK KCU25	D21
NT3LK KC5010	D24
NT3LK KC5025	D24
NT3LK KCU10	D24
NT3LK KCU25	D24
NT3R K68	D19
NT3R KC5010	D19
NT3R KC5025	D19
NT3R KCU10	D19
NT3R KCU25	D19
NT3RCK KC5010	D21
NT3RCK KC5025	D21
NT3RCK KCU10	D21
NT3RCK KCU25	D21
NT3RK KC5010	D24
NT3RK KC5025	D24
NT3RK KCU10	D24
NT3RK KCU25	D24
NT4L K68	D19
NT4L KC5010	D19
NT4L KC5025	D19
NT4L KCU10	D19
NT4L KCU25	D19
NT4LCK KC5025	D21
NT4LCK KCU25	D21
NT4LK KC5010	D24
NT4LK KC5025	D24
NT4LK KCU10	D24
NT4LK KCU25	D24

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
NT4R K68	D19
NT4R KC5010	D19
NT4R KC5025	D19
NT4R KCU10	D19
NT4R KCU25	D19
NT4RCK KC5010	D21
NT4RCK KC5025	D21
NT4RCK KCU25	D21
NT4RK KC5010	D24
NT4RK KC5025	D24
NT4RK KCU10	D24
NT4RK KCU25	D24
NTB2LB KC5010	D20
NTB2LB KCU10	D20
NTB2RA K68	D19
NTB2RB KC5010	D20
NTB3L12B KC5010	D20
NTB3LA K68	D19
NTB3LA KC5010	D19
NTB3LA KC5025	D19
NTB3LB K68	D20
NTB3LB KC5010	D20
NTB3LB KC5025	D20
NTB3LB KCU10	D20
NTB3R12B KC5010	D20
NTB3RA KC5025	D19
NTB3RA KCU10	D19
NTB3RB K68	D20
NTB3RB KC5010	D20
NTB3RB KC5025	D20
NTB3RB KCU10	D20
NTB3RB KCU25	D20
NTB4LB KC5010	D20
NTB4LB KC5025	D20
NTB4RA KCU10	D19
NTB4RB KC5010	D20
NTB4RB KC5025	D20
NTB4RB KCU10	D20
NTC3L10E KCU10	D22
NTC3L10I KC5025	D20
NTC3L12E KCU10	D22
NTC3L12I KC5025	D20
NTC3L14I KC5025	D20
NTC3L16E KCU10	D22
NTC3L16I KC5025	D20
NTC3L8E KC5010	D22
NTC3L8I KC5025	D20
NTC3MR150E KC5010	D21
NTC3MR150E KC5025	D21
NTC3MR150E KCU10	D21
NTC3MR200E KC5010	D21
NTC3R10E KC5010	D22
NTC3R10E KC5025	D22
NTC3R11E KC5025	D22
NTC3R11E KCU10	D22
NTC3R12E KC5010	D22
NTC3R12E KC5025	D22
NTC3R12E KCU25	D22
NTC3R12I KC5025	D20
NTC3R13E KC5010	D22
NTC3R13E KC5025	D22
NTC3R14E KC5010	D22
NTC3R14E KC5025	D22
NTC3R16E KC5010	D22
NTC3R16E KC5025	D22
NTC3R18E KC5010	D22
NTC3R18E KC5025	D22
NTC3R18E KCU25	D22
NTC3R20E KC5010	D22
NTC3R20E KC5025	D22
NTC3R20E KCU10	D22
NTC3R24E KC5010	D22
NTC3R24E KC5025	D22
NTC3R28E KC5025	D22
NTC3R32E KC5025	D22
NTC3R32E KCU10	D22
NTC3R7E KC5025	D22
NTC3R8E KC5010	D22
NTC3R8E KC5025	D22
NTC3R8E KCU10	D22
NTC3R9E KCU10	D22
NTF2L K68	D23
NTF2L KC5010	D23
NTF2L KC5025	D23
NTF2L KCU10	D23
NTF2L KCU25	D23
NTF2R K68	D23
NTF2R KC5010	D23
NTF2R KC5025	D23
NTF2R KCU10	D23
NTF2R KCU25	D23
NTF3L K68	D23
NTF3L KC5010	D23
NTF3L KC5025	D23
NTF3L KCU10	D23
NTF3L KCU25	D23
NTF3R K68	D23
NTF3R KC5010	D23
NTF3R KC5025	D23
NTF3R KCU10	D23
NTF3R KCU25	D23
NTF4R KC5025	D23
NTK2L K68	D23
NTK2L KC5010	D23
NTK2L KC5025	D23
NTK2L KCU10	D23
NTK2L KCU25	D23
NTK2R K68	D23
NTK2R KC5010	D23
NTK2R KC5025	D23
NTK2R KCU10	D23
NTK2R KCU25	D23
NTK3L K68	D23
NTK3L KC5010	D23
NTK3L KC5025	D23
NTK3L KCU10	D23
NTK3L KCU25	D23
NTK3R K68	D23
NTK3R KC5010	D23
NTK3R KC5025	D23
NTK3R KCU10	D23
NTK3R KCU25	D23
NTP2L K68	D24
NTP2L KC5010	D24
NTP2L KC5025	D24
NTP2L KCU10	D24
NTP2L KCU25	D24
NTP2R K68	D24
NTP2R KC5010	D24
NTP2R KC5025	D24
NTP2R KCU10	D24
NTP2R KCU25	D24
NTP3L K68	D24
NTP3L KC5010	D24
NTP3L KC5025	D24
NTP3L KCU10	D24
NTP3L KCU25	D24
NTP3R K68	D24
NTP3R KC5010	D24
NTP3R KC5025	D24
NTP3R KC5410	D24
NTP3R KCU10	D24
NTP3R KCU25	D24
NTP4L KC5010	D24
NTP4L KC5025	D24
NTP4R KC5010	D24
NTP4R KC5025	D24
NTP4R KCU10	D24
NTP4R KCU25	D24
NTU4R KC5025	D24
NTU4R KCU25	D24
NU3094L KC5025	C161
NU3094L KCU25	C161
NU3094R KC5025	C161
NU3125L KC5025	C161
NU3125R KCU25	C161
NU3156L KC5025	C161
NUFRL	E58
NUFRR	E58
NUWTC	E59
NV3RJ KCU25	C162
NV4LL KCU25	C162
NV4RL KCU25	C162
NVHBL2020K11	E37
NVHBL2525M11	E37
NVHBR2020K11	E37
NVHBR2525M11	E37
NVLBL2020K11	E38
NVLBL2525M11	E38
NVLBR2020K11	E38
NVLBR2525M11	E38
NVLCL2020K16	E38
NVLCL2525M16	E38
NVLCL3225P16	E38
NVLCR1616H16	E38
NVLCR2020K16	E38
NVLCR2525M16	E38
NVLCR3225P16	E38
NVOCL2020K16	E39
NVOCL2525M16	E39
NVOCR2020K16	E39
NVOCR2525M16	E39
NVVCN2020K16	E40
NVVCN2525M16	E40
NWC3L11I KC5025	D25
NWC3R11E KC5010	D25
NWC3R11E KC5025	D25
NWC3R14E KC5010	D25
NWC3R14E KCU25	D25
OFKT06L5AFENGB KC520M	S50
OFKT06L5AFENGB KC522M	S50
OFKT06L5AFENGB KC725M	S50
OFKT06L5AFENGB KCK15	S50
OFKT06L5AFENGB KCPK30	S50
OFKT06L5AFENGB KCPM40	S50
OFKT06L5AFENGB KCSM40	S50
OFKT06L5AFENLB KC522M	S50
OFKT06L5AFENLB KC725M	S50
OFKT06L5AFENLB KCK15	S50
OFKT06L5AFENLB KCPK30	S50
OFKT06L5AFENLB KCSM40	S50
OFKT06L5AFFNLBJ KC422M	S49
OFKT06L5AFFNLBJ KC410M	S49
OFKT06L5AFFNLNJ KC410M	S49
OFKT06L5AFSNHB KC522M	S50
OFKT06L5AFSNHB KC725M	S50
OFKT06L5AFSNHB KCPK30	S50
OFKT06L5AFSNHB KCSM40	S50
OFKT06L5AFSNLB KC520M	S50
OFKT06L5AFSNLB KC522M	S50
OFKT06L5AFSNLB KC725M	S50
OFKT06L5AFSNLB KCPK30	S50
OFKT07L6AFENGB KC520M	S55
OFKT07L6AFENGB KC522M	S55
OFKT07L6AFENGB KC725M	S55
OFKT07L6AFENGB KCPK30	S55
OFKT07L6AFENGB KCPM40	S55
OFKT07L6AFENGB KCSM30	S55
OFKT07L6AFENGB KCSM40	S55
OFKT07L6AFENLB KC522M	S54
OFKT07L6AFENLB KC725M	S54
OFKT07L6AFENLB KCPK30	S54
OFKT07L6AFENLB KCSM40	S54
OFKT07L6AFFNLNJ KC410M	S54
OFKT07L6AFSNHB KC520M	S55
OFKT07L6AFSNHB KC522M	S55
OFKT07L6AFSNHB KC725M	S55
OFKT07L6AFSNHB KCPK30	S55
OFKT07L6AFSNHB KCPM40	S55
OFKT07L6AFSNHB KCSM40	S55
OFKT07L6AFSNLB KC725M	S54
OFKT07L6AFSNLB KCPK30	S54
OFPT06L5AFENGB KC520M	S51
OFPT06L5AFENGB KC725M	S51
OFPT06L5AFENGB KCK15	S51
OFPT06L5AFENGB KCPK30	S51
OFPT06L5AFENGB KCPM40	S51
OFPT06L5AFSNHB KC520M	S51
OFPT06L5AFSNHB KC725M	S51
OFPT06L5AFSNHB KCK15	S51
OFPT06L5AFSNHB KCPK30	S51
OFPT06L5AFSNHB KCSM40	S51
OFPT07L6AFENGB KC520M	S55
OFPT07L6AFENGB KC522M	S55
OFPT07L6AFENGB KC725M	S55
OFPT07L6AFENGB KCK15	S55
OFPT07L6AFENGB KCPK30	S55
OFPT07L6AFENGB KCPM40	S55
OFPT07L6AFSNHB KC522M	S55
OFPT07L6AFSNHB KC725M	S55
OFPT07L6AFSNHB KCK15	S55
OFPT07L6AFSNHB KCPK30	S55
OFPT07L6AFSNHB KCSM40	S55
ONGX080608SNHB KC514M	S36
ONGX080608SNHB KCK15	S36
ONGX080620ENLE KC514M	S35
ONGX080620ENLE KCK15	S35
ONGX080620ENLE KCK20	S35
ONGX080620SNGP KC514M	S35
ONGX080620SNGP KCK15	S35
ONGX080620SNGP KCK20	S35
ONGX080620SNGP KCPK30	S35
ONGX080620SNHB KC514M	S36
ONGX080620SNHB KCK15	S36
ONGX080620SNHB KCK20	S36
ONGX080620SNHB KCPK30	S36
ONGX080630SNHB KC514M	S36
ONGX080630SNHB KCK15	S36
ONGX080630SNHB KCK20	S36
ONGX0806ANENLE KC514M	S35
ONGX0806ANENLE KCK15	S35
ONGX0806ANENLE KCK20	S35
ONGX0806ANSNGP KC514M	S35
ONGX0806ANSNGP KCK15	S35
ONGX0806ANSNGP KCK20	S35
ONPX080608SNGP KCK15	S36
ONPX080608SNGP KCK20	S36
ONPX080608SNGP KCPK30	S36
ONPX080620SNHB KCK15	S36
ONPX080620SNHB KCK20	S36
ONPX080620SNHB KCPK30	S36
PCBNL2020K12	B64
PCBNL2525M12	B64
PCBNL2525M16	B64
PCBNL3232P16	B64
PCBNL3232P19	B64
PCBNL4040S19	B64
PCBNR2525M12	B64
PCBNR2525M16	B64
PCBNR3225P12	B64
PCBNR3225P16	B64
PCBNR3232P16	B64
PCBNR3232P19	B64
PCBNR4040S19	B64
PCKNL2020K12	B64
PCKNL2525M12	B64
PCKNL3225P12	B64
PCKNL3225P16	B64
PCKNL3232P19	B64
PCKNR2020K12	B64
PCKNR2525M12	B64
PCKNR2525M16	B64
PCKNR3225P12	B64
PCKNR3225P16	B64
PCKNR3232P19	B64
PCLNL1616H12	B65
PCLNL16CA-12	B73
PCLNL2020K12	B65
PCLNL2525M12	B65
PCLNL2525M16	B65
PCLNL2525M19	B65
PCLNL3225P12	B65
PCLNL3225P16	B65
PCLNL3225P19	B65
PCLNL3232P16	B65
PCLNL3232P19	B65
PCLNL4040S19	B65
PCLNR12CA-12	B73
PCLNR1616H12	B65
PCLNR16CA-12	B73
PCLNR2020K12	B65
PCLNR2525M12	B65
PCLNR2525M16	B65
PCLNR2525M19	B65
PCLNR3225P12	B65
PCLNR3225P16	B65
PCLNR3225P19	B65
PCLNR3232P16	B65

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
PCLNR3232P19	B65
PCLNR4040S19	B65
PCSNL2020K12	B66
PCSNL2525M12	B66
PCSNL3225P12	B66
PCSNL3232P19	B66
PCSNR2020K12	B66
PCSNR2525M12	B66
PCSNR3225P12	B66
PCSNR3232P19	B66
PDC251A04763DA KD1415	G110
PDC251A06350DA KD1415	G110
PDC251A07938DA KD1415	G110
PDC251A09525DA KD1415	G110
PDC251A11113DA KD1415	G110
PDC251A12700DA KD1415	G110
PDJNL1616H11	B87
PDJNL2020K11	B87
PDJNL2020K15	B87
PDJNL2525M11	B87
PDJNL2525M15	B87
PDJNL3225P15	B87
PDJNL3232P15	B87
PDJNL4025R15	B87
PDJNR1616H11	B87
PDJNR2020K11	B87
PDJNR2020K15	B87
PDJNR2525M11	B87
PDJNR2525M15	B87
PDJNR3225P15	B87
PDJNR3232P15	B87
PDJNR4025R15	B87
PDNNL2020K11	B88
PDNNL2020K15	B88
PDNNL2525M11	B88
PDNNL2525M15	B88
PDNNL4025M15	B88
PDNNR2020K11	B88
PDNNR2020K15	B88
PDNNR2525M15	B88
PDNNR4025M15	B88
PKG-8001	K128–130
PKG0002	K141
PKG0011	K126
PKG1402	K126
PKG1565	K137–139
PKG156502	K139–140
PKG1602	K126
PKG1802	K126
PKG2025	K130, K132
PKG3242	K130, K132
PKG7001	K124
PKG7994	K141
PMT04525	C63, C133
PSBNL2020K12	B111
PSBNL2525M12	B111
PSBNL2525M15	B111
PSBNL3232P15	B111
PSBNL3232P19	B111
PSBNL4040S19	B111
PSBNL4040S25	B111
PSBNR2020K12	B111
PSBNR2525M12	B111
PSBNR2525M15	B111
PSBNR3225P12	B111
PSBNR3232P15	B111
PSBNR3232P19	B111
PSBNR4040S19	B111
PSBNR4040S25	B111
PSC40KGMEL50C	C65, C135
PSC40KGMER50C	C65, C135
PSC40KGMSL50C	C64, C134
PSC40KGMSR50C	C64, C134
PSC50KGMEL50C	C65, C135
PSC50KGMEL65C	C65, C135
PSC50KGMER50C	C65, C135
PSC50KGMER65C	C65, C135
PSC50KGMSL50C	C64, C134
PSC50KGMSL65C	C64, C134
PSC50KGMSR50C	C64, C134
PSC50KGMSR65C	C64, C134
PSC63DL10050M	052
PSC63DL12050M	052
PSC63DL16055M	052
PSC63DL20055M	052
PSC63DL25060M	052
PSC63DL32068M	052
PSC63KGMEL50C	C65, C135
PSC63KGMEL65C	C65, C135
PSC63KGMER50C	C65, C135
PSC63KGMER65C	C65, C135
PSC63KGMSL50C	C64, C134
PSC63KGMSL65C	C64, C134
PSC63KGMSR50C	C64, C134
PSC63KGMSR65C	C64, C134
PSC80KGMEL50C	C65, C135
PSC80KGMEL65C	C65, C135
PSC80KGMER50C	C65, C135
PSC80KGMER65C	C65, C135
PSC80KGMSL50C	C64, C134
PSC80KGMSL65C	C64, C134
PSC80KGMSR50C	C64, C134
PSC80KGMSR65C	C64, C134
PSDNN1616H09	B111
PSDNN2020K12	B111
PSDNN2525M12	B111
PSDNN3225P12	B111
PSDNN3225P19	B111
PSDNN3232P19	B111
PSDNN4040S25	B111
PSKNL2525M12	B112
PSKNL3232P19	B112
PSKNR12CA-12	B120
PSKNR2020K12	B112
PSKNR2525M12	B112
PSKNR3232P15	B112
PSKNR3232P19	B112
PSSNL12CA12	B121
PSSNL2020K12	B113
PSSNL2525M12	B113
PSSNL2525M15	B113
PSSNL3225P12	B113
PSSNL3232P19	B113
PSSNL4040S19	B113
PSSNR12CA-12	B121
PSSNR2020K09	B113
PSSNR2020K12	B113
PSSNR2525M12	B113
PSSNR2525M15	B113
PSSNR3225P12	B113
PSSNR3232P15	B113
PSSNR3232P19	B113
PSSNR4040S19	B113
PT00163	E54
PTFNL12CA-16	B142
PTFNL2020K16	B135
PTFNL2525M16	B135
PTFNR12CA-16	B142
PTFNR2020K16	B135
PTFNR2525M16	B135
PTGNL1616H16	B135
PTGNL2020K16	B135
PTGNL2525M16	B135
PTGNL2525M22	B135
PTGNR1616H16	B135
PTGNR2020K16	B135
PTGNR2525M16	B135
PTGNR2525M22	B135
PWLNL1616H06	B163
PWLNL2020K06	B163
PWLNL2020K08	B163
PWLNL2525M08	B163
PWLNL3225P08	B163
PWLNR1616H06	B163
PWLNR2020K06	B163
PWLNR2020K08	B163
PWLNR2525M08	B163
PWLNR3225P08	B163
QC26	B250
QTM20 WG	B273
R125FBHS09	K136
R24FBHS06	K136
R24FBHS06LF	K136
R30FBHS06	K136
R31FBHS06	K136
R31FBHS06LF	K136
R38FBHS06	K136
R40FBHS06	K136
R40FBHS06LF	K136
R48FBHS06	K136
R51FBHS06	K136
R51FBHS06LF	K136
R65FBHS06	K136
R67FBHS06	K136
R67FBHS09	K136
R67FBHS09LF	K136
R82154	K74
R85FBHS06	K136
R85FBHS09	K136
RCGH120400 KC5010	B222
RCGH120400 KCU10	B222
RCGH120400MP KCS10	B222
RCGK040300FS KCU10	E63
RCGK040300HP K313	E63
RCGK040300HP KC5010	E63
RCGK040300HP KCU10	E63
RCGK060400FS KC5010	E63
RCGK060400FS KCU10	E63
RCGK060400HP KC5010	E63
RCGK060400HP KC5410	E63
RCGK060400HP KCU10	E63
RCGK090700FS KC5010	E63
RCGK090700FS KC5025	E63
RCGK090700FS KCU10	E63
RCGK090700HP KC5410	E63
RCGK090700HP KCU10	E63
RCGK120800FS KCU10	E63
RCGK120800HP KC5410	E63
RCGK120800HP KCU10	E63
RCGN090400T01015 KBK45	B288
RCGT0602M0RP KCP25B	B223
RCGT0803M0HP K313	B222
RCGT0803M0HP K68	B222
RCGT0803M0HP KC5010	B222
RCGT0803M0HP KC5410	B222
RCGT0803M0HP KCU25	B222
RCGT0803M0MS KC5010	B223
RCGT0803M0MS KCU10	B223
RCGT0803M0RP KCP25B	B223
RCGT10T3M0HP K313	B222
RCGT10T3M0HP KC5010	B222
RCGT10T3M0HP KC5025	B222
RCGT10T3M0HP KC5410	B222
RCGT10T3M0HP KCU10	B222
RCGT10T3M0HP KCU25	B222
RCGT1204M0HP K313	B222
RCGT1204M0HP KC5010	B222
RCGT1204M0HP KC5025	B222
RCGT1204M0HP KCU10	B222
RCGT1204M0MS KC5010	B223
RCGT1204M0MS KCU10	B223
RCGT1204M0MS KCU25	B223
RCGT1204M0RP KCP25	B223
RCGT1606M0MS KCU10	B223
RCGT1606M0MS KCU25	B223
RCGT2006M0ELF KC725M	V83
RCGT2006M0ELF KCSM40	V83
RCGT2006M0SGF KC522M	V83
RCGT2006M0SGF KC725M	V83
RCGT2006M0SGFJ KCPM40	V83
RCGT2006M0SGFJ KCSM30	V83
RCGT2006M0SHF KC725M	V83
RCGT2006M0SHF KCPK30	V83
RCGT2006M0SHF KCSM40	V83
RCGT2006M0SHFJ KCPM40	V83
RCGV060400 KC5010	B166
RCGV060400 KCU10	B166
RCGV090700 KC5010	B166
RCGV120700 K313	B166
RCGV120700 KC5010	B166
RCGW1204M0T01020 KY1615	B316
RCGX060400E KYS25	B333
RCGX060400E KYS30	B333
RCGX060400MP KCS10	B166
RCGX0907-001 KY1615	B316
RCGX090700E KYS25	B333
RCGX090700E KYS30	B333
RCGX090700T00525 KYS30	B333
RCGX090700T01020 KY1615	B315
RCGX090700T01020 KYS25	B333
RCGX090700T01020 KYS30	B333
RCGX090700T02020 KY1615	B315
RCGX090700T10015 KY1615	B315
RCGX090700T20015 KY1615	B315
RCGX120700E KYS25	B333
RCGX120700E KYS30	B333
RCGX120700MP KCS10	B166
RCGX120700T01020 KYS25	B333
RCGX120700T01020 KYS30	B333
RCGX120700T01025 KYS25	B333
RCGX120700T01025 KYS30	B333
RCGX120700T02020 KY1615	B315
RCGX120700T10015 KY1615	B315
RCGX120700T20015 KY1615	B315
RCGX151000T20015 KY1615	B315
RCGX191000T20015 KY1615	B315
RCGX251200T20015 KY1615	B315
RCMH190600K KCP10B	B223
RCMH2507M0RU KCP25	E60
RCMH2507M0TUPG KCP10B	E60
RCMH2507M0TUPG KCP25B	E60
RCMH3209M0RU KCP25	E60
RCMH3209M0TUP KCP25B	E60
RCMH3209M0TUPG KCP10B	E60
RCMH3209M0TUPG KCP25B	E60
RCMK040300 K313	E63
RCMK040300 KC5010	E63
RCMK060400 K313	E63
RCMK060400 KC5010	E63
RCMK060400 KCU10	E63
RCMK060400MP KCS10	E64
RCMK090700 K313	E63
RCMK090700 KC5010	E63
RCMK090700MP KCS10	E64
RCMK120800 KC5010	E63
RCMK120800MP KCS10	E64
RCMT060200 KC5010	B224
RCMT060200 KCP25	B224
RCMT060200 KCU10	B224
RCMT0602M0 K313	B224
RCMT0602M0 K68	B224
RCMT0602M0 KC5010	B224
RCMT0602M0 KCM25	B224
RCMT0602M0 KCP25	B224
RCMT0602M0 KCP30	B224
RCMT0602M0 KCU10	B224
RCMT0803M0 K313	B224
RCMT0803M0 KC5010	B224
RCMT0803M0 KCK20B	B224
RCMT0803M0 KCM25	B224
RCMT0803M0 KCP25	B224
RCMT0803M0MP KCS10	B224
RCMT09T300 K313	B224
RCMT09T300 KC5010	B224
RCMT09T300 KCP25	B224
RCMT09T300 KCU10	B224
RCMT10T3M0 KC5010	B224
RCMT10T3M0 KCK20B	B224
RCMT10T3M0 KCM25	B224
RCMT10T3M0 KCP25	B224
RCMT10T3M0 KCP30	B224
RCMT10T3M0 KCU10	B224
RCMT10T3M0MP KCS10	B224
RCMT120400 KC5010	B224
RCMT120400 KCK20	B224
RCMT120400 KCM25	B224
RCMT120400 KCP10B	B224
RCMT120400MP KCS10	B224
RCMT1204M0 K313	B224
RCMT1204M0 KC5010	B224
RCMT1204M0 KCK15B	B224
RCMT1204M0 KCK20	B224
RCMT1204M0 KCK20B	B224
RCMT1204M0 KCM25	B224
RCMT1204M0 KCM25B	B224
RCMT1204M0 KCP30	B224
RCMT1204M0 KCU10	B224
RCMT1204M0MP KCS10	B224

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
RCMT1204M0RP KCK15	B226
RCMT1204M0RP KCK20	B226
RCMT1204M0RP KCP10	B226
RCMT1204M0RP KCP10B	B226
RCMT1204M0RP KCP25	B226
RCMT1204M0RP KCP25B	B226
RCMT1605M0 K313	B224
RCMT1605M0 KC5010	B224
RCMT1605M0 KCK20	B224
RCMT1605M0 KCM25	B224
RCMT1605M0 KCP25	B224
RCMT1605M0 KCU10	B224
RCMT1606M0MP KCS10	B224
RCMT1606M0RP KCK15	B226
RCMT1606M0RP KCP25	B226
RCMT1606M0RP KCP25B	B226
RCMT1606M0UP KCP10B	E60
RCMT1606M0UP KCP25B	E60
RCMT1606M0UPG KCK15B	E60
RCMT1606M0UPG KCP10B	E60
RCMT1606M0UPG KCP25B	E60
RCMT1606M0UPG KCPK05	E60
RCMT2006M0 K313	B224
RCMT2006M0 KC5010	B224
RCMT2006M0 KCK20B	B224
RCMT2006M0 KCM25	B224
RCMT2006M0 KCP25	B224
RCMT2006M0 KCU10	B224
RCMT2006M0RH KCP10	B225
RCMT2006M0RH KCP25	B225
RCMT2006M0RM KCP25	B225
RCMT2006M0RP KCK20	B226
RCMT2006M0RP KCK20B	B226
RCMT2006M0RP KCP25	B226
RCMT2006M0UP KCP10B	E60
RCMT2006M0UP KCP25B	E60
RCMT2006M0UP KCPK05	E60
RCMT2006M0UPG KCK15B	E60
RCMT2006M0UPG KCP10B	E60
RCMT2006M0UPG KCP25B	E60
RCMT2006M0UPG KCPK05	E60
RCMX1003M0RP KCP10B	B226
RCMX1003M0RP KCP25B	B226
RCMX2507M076 KCP25B	E53
RCMX2507M0RH KCP10	B225
RCMX2507M0RH KCP25	B225
RCMX2507M0RP KCP25	B226
RCMX2507M0RP KCP30	B226
RCMX2507M0RU KCK20	E61
RCMX2507M0TUPG KCP10B	E61
RCMX2507M0TUPG KCP25B	E61
RCMX3209M0RH KCP25	B225
RCMX3209M0RU KCK20	E61
RCMX3209M0RU KCP10	E61
RCMX3209M0TUPG KCP10B	E61
RCMX3209M0TUPG KCP25B	E61
RHM14000KST115H7HF KT325	K31
RHM14000KST115H7HF KT6215	K31
RHM14000KST115H7SF KT325	K29
RHM14000KST115H7SF KT6215	K29
RHM14288KST115H7HF KT325	K31
RHM14288KST115H7HF KT6215	K31
RHM14288KST115H7SF KT325	K29
RHM14288KST115H7SF KT6215	K29
RHM15000KST115H7SF KT325	K29
RHM15875KST115H7HF KT325	K31
RHM15875KST115H7SF KT325	K29
RHM15875KST115H7SF KT6215	K29
RHM16000KST135H7HF KT325	K31
RHM16000KST135H7HF KT6215	K31
RHM16000KST135H7SF KT325	K29
RHM16000KST135H7SF KT6215	K29
RHM17000KST135H7HF KT325	K31
RHM17000KST135H7HF KT6215	K31
RHM17000KST135H7SF KT325	K29
RHM17000KST135H7SF KT6215	K29
RHM17463KST135H7HF KT325	K31
RHM17463KST135H7HF KT6215	K31
RHM17463KST135H7SF KT325	K29
RHM18000KST155H7HF KT325	K31
RHM18000KST155H7HF KT6215	K31
RHM18000KST155H7SF KT325	K29
RHM18000KST155H7SF KT6215	K29
RHM19000KST155H7HF KT325	K31
RHM19000KST155H7HF KT6215	K31
RHM19000KST155H7SF KT325	K29
RHM19050KST155H7HF KT325	K31
RHM19050KST155H7HF KT6215	K31
RHM19050KST155H7SF KT6215	K29
RHM20000KST175H7HF KT325	K31
RHM20000KST175H7HF KT6215	K31
RHM20000KST175H7SF KT325	K29
RHM20000KST175H7SF KT6215	K29
RHM20640KST175H7HF KT325	K31
RHM20640KST175H7HF KT6215	K31
RHM20640KST175H7SF KT325	K29
RHM20640KST175H7SF KT6215	K29
RHM21000KST175H7HF KT325	K31
RHM21000KST175H7HF KT6215	K31
RHM21000KST175H7SF KT325	K29
RHM21000KST175H7SF KT6215	K29
RHM22000KST175H7HF KT325	K31
RHM22000KST175H7HF KT6215	K31
RHM22000KST175H7SF KT6215	K29
RHM22230KST175H7HF KT325	K31
RHM22230KST175H7HF KT6215	K31
RHM22230KST175H7SF KT325	K29
RHM22230KST175H7SF KT6215	K29
RHM22500KST200H7HF KT325	K31
RHM22500KST200H7HF KT6215	K31
RHM22500KST200H7SF KT325	K29
RHM22500KST200H7SF KT6215	K29
RHM23000KST200H7HF KT325	K31
RHM23000KST200H7HF KT6215	K31
RHM23000KST200H7SF KT325	K29
RHM23000KST200H7SF KT6215	K29
RHM23810KST200H7HF KT325	K31
RHM23810KST200H7HF KT6215	K31
RHM23810KST200H7SF KT325	K29
RHM23810KST200H7SF KT6215	K29
RHM24000KST200H7HF KT325	K31
RHM24000KST200H7HF KT6215	K31
RHM24000KST200H7SF KT325	K29
RHM24000KST200H7SF KT6215	K29
RHM25000KST200H7HF KT325	K31
RHM25000KST200H7HF KT6215	K31
RHM25000KST200H7SF KT325	K29
RHM25000KST200H7SF KT6215	K29
RHM25400KST200H7HF KT325	K31
RHM25400KST200H7HF KT6215	K31
RHM25400KST200H7SF KT325	K29
RHM25400KST200H7SF KT6215	K29
RHM26000KST200H7HF KT325	K31
RHM26000KST200H7SF KT325	K29
RHM26990KST200H7HF KT325	K31
RHM26990KST200H7HF KT6215	K31
RHM26990KST200H7SF KT325	K29
RHM26990KST200H7SF KT6215	K29
RHM27000KST200H7HF KT325	K31
RHM27000KST200H7HF KT6215	K31
RHM27000KST200H7SF KT325	K29
RHM27000KST200H7SF KT6215	K29
RHM27500KST250H7HF KT325	K31
RHM27500KST250H7HF KT6215	K31
RHM27500KST250H7SF KT325	K30
RHM27500KST250H7SF KT6215	K30
RHM28000KST250H7HF KT325	K32
RHM28000KST250H7HF KT6215	K32
RHM28000KST250H7SF KT325	K30
RHM28000KST250H7SF KT6215	K30
RHM28580KST250H7HF KT325	K32
RHM28580KST250H7SF KT325	K30
RHM28580KST250H7SF KT6215	K30
RHM29000KST250H7HF KT325	K32
RHM29000KST250H7HF KT6215	K32
RHM29000KST250H7SF KT325	K30
RHM29000KST250H7SF KT6215	K30
RHM30000KST250H7HF KT325	K32
RHM30000KST250H7HF KT6215	K32
RHM30000KST250H7SF KT325	K30
RHM30000KST250H7SF KT6215	K30
RHM30160KST250H7HF KT325	K32
RHM30160KST250H7HF KT6215	K32
RHM30160KST250H7SF KT325	K30
RHM31000KST250H7HF KT325	K32
RHM31000KST250H7HF KT6215	K32
RHM31000KST250H7SF KT325	K30
RHM31000KST250H7SF KT6215	K30
RHM31750KST250H7HF KT325	K32
RHM31750KST250H7HF KT6215	K32
RHM31750KST250H7SF KT325	K30
RHM31750KST250H7SF KT6215	K30
RHM32000KST250H7HF KT325	K32
RHM32000KST250H7HF KT6215	K32
RHM32000KST250H7SF KT325	K30
RHM32500KST300H7HF KT325	K32
RHM32500KST300H7HF KT6215	K32
RHM32500KST300H7SF KT325	K30
RHM32500KST300H7SF KT6215	K30
RHM33000KST300H7HF KT325	K32
RHM33000KST300H7HF KT6215	K32
RHM33000KST300H7SF KT325	K30
RHM33000KST300H7SF KT6215	K30
RHM33340KST300H7HF KT325	K32
RHM33340KST300H7HF KT6215	K32
RHM33340KST300H7SF KT325	K30
RHM33340KST300H7SF KT6215	K30
RHM34000KST300H7HF KT6215	K32
RHM34000KST300H7SF KT325	K30
RHM34930KST300H7HF KT325	K32
RHM34930KST300H7HF KT6215	K32
RHM34930KST300H7SF KT325	K30
RHM34930KST300H7SF KT6215	K30
RHM35000KST300H7HF KT325	K32
RHM35000KST300H7HF KT6215	K32
RHM35000KST300H7SF KT325	K30
RHM35000KST300H7SF KT6215	K30
RHM36000KST300H7HF KT325	K32
RHM36000KST300H7SF KT325	K30
RHM36000KST300H7SF KT6215	K30
RHM36510KST300H7HF KT325	K32
RHM36510KST300H7HF KT6215	K32
RHM36510KST300H7SF KT325	K30
RHM36510KST300H7SF KT6215	K30
RHM37000KST300H7HF KT325	K32
RHM37000KST300H7HF KT6215	K32
RHM37000KST300H7SF KT325	K30
RHM37500KST350H7HF KT325	K32
RHM37500KST350H7HF KT6215	K32
RHM37500KST350H7SF KT325	K30
RHM37500KST350H7SF KT6215	K30
RHM38000KST350H7SF KT325	K30
RHM38000KST350H7SF KT6215	K30
RHM38100KST350H7HF KT325	K32
RHM38100KST350H7SF KT325	K30
RHM38100KST350H7SF KT6215	K30
RHM39000KST350H7HF KT325	K32
RHM39000KST350H7HF KT6215	K32
RHM39000KST350H7SF KT325	K30
RHM39000KST350H7SF KT6215	K30
RHM39690KST350H7HF KT325	K32
RHM39690KST350H7HF KT6215	K32
RHM39690KST350H7SF KT325	K30
RHM39690KST350H7SF KT6215	K30
RHM40000KST350H7HF KT325	K32
RHM40000KST350H7HF KT6215	K32
RHM40000KST350H7SF KT6215	K30
RHM41000KST350H7HF KT325	K32
RHM41000KST350H7HF KT6215	K32
RHM41000KST350H7SF KT325	K30
RHM41000KST350H7SF KT6215	K30
RHM41280KST350H7HF KT325	K32
RHM41280KST350H7HF KT6215	K32
RHM41280KST350H7SF KT325	K30
RHM41280KST350H7SF KT6215	K30
RHM42000KST350H7HF KT325	K32
RHM42000KST350H7HF KT6215	K32
RHM42000KST350H7SF KT325	K30
RHM42000KST350H7SF KT6215	K30
RHME14000KST115H6HF KC6005	K34
RHME14000KST115H6HF KC6305	K34
RHME14000KST115H6SF KC6005	K33
RHME14000KST115H6SF KC6305	K33
RHME14288KST115H6HF KC6005	K34
RHME14288KST115H6HF KC6305	K34
RHME14288KST115H6SF KC6005	K33
RHME14288KST115H6SF KC6305	K33
RHME15000KST115H6HF KC6005	K34
RHME15000KST115H6HF KC6305	K34
RHME15000KST115H6SF KC6005	K33
RHME15000KST115H6SF KC6305	K33
RHME16000KST135H6HF KC6005	K34
RHME16000KST135H6HF KC6305	K34
RHME16000KST135H6SF KC6005	K33
RHME16000KST135H6SF KC6305	K33
RHME17000KST135H6HF KC6005	K34
RHME17000KST135H6HF KC6305	K34
RHME17000KST135H6SF KC6005	K33
RHME17000KST135H6SF KC6305	K33
RHME17463KST135H6HF KC6005	K34
RHME17463KST135H6HF KC6305	K34
RHME17463KST135H6SF KC6005	K33
RHME17463KST135H6SF KC6305	K33
RHME18000KST155H6HF KC6005	K34
RHME18000KST155H6HF KC6305	K34
RHME18000KST155H6SF KC6005	K33
RHME18000KST155H6SF KC6305	K33
RHME19000KST155H6HF KC6005	K34
RHME19000KST155H6HF KC6305	K34
RHME19000KST155H6SF KC6005	K33
RHME19000KST155H6SF KC6305	K33
RHME19050KST155H6HF KC6005	K34
RHME19050KST155H6HF KC6305	K34
RHME19050KST155H6SF KC6005	K33
RHME19050KST155H6SF KC6305	K33
RHME20000KST175H6HF KC6005	K34
RHME20000KST175H6HF KC6305	K34
RHME20000KST175H6SF KC6005	K33
RHME20000KST175H6SF KC6305	K33
RHME21000KST175H6HF KC6005	K34
RHME21000KST175H6HF KC6305	K34
RHME21000KST175H6SF KC6005	K33
RHME21000KST175H6SF KC6305	K33
RHME22000KST175H6HF KC6005	K34
RHME22000KST175H6HF KC6305	K34
RHME22000KST175H6SF KC6005	K33
RHME22000KST175H6SF KC6305	K33
RHME22225KST175H6HF KC6005	K34
RHME22225KST175H6HF KC6305	K34
RHME22225KST175H6SF KC6005	K33
RHME22225KST175H6SF KC6305	K33
RHME23000KST200H6HF KC6005	K34
RHME23000KST200H6HF KC6305	K34
RHME23000KST200H6SF KC6005	K33
RHME23000KST200H6SF KC6305	K33
RHME23813KST200H6HF KC6005	K34
RHME23813KST200H6HF KC6305	K34
RHME23813KST200H6SF KC6005	K33
RHME23813KST200H6SF KC6305	K33
RHME24000KST200H6HF KC6005	K34
RHME24000KST200H6HF KC6305	K34
RHME24000KST200H6SF KC6005	K33
RHME24000KST200H6SF KC6305	K33
RHME25000KST200H6HF KC6005	K34
RHME25000KST200H6HF KC6305	K34
RHME25000KST200H6SF KC6005	K33
RHME25000KST200H6SF KC6305	K33
RHME25400KST200H6HF KC6005	K34
RHME25400KST200H6HF KC6305	K34
RHME25400KST200H6SF KC6005	K33
RHME25400KST200H6SF KC6305	K33
RHME26000KST200H6HF KC6005	K34
RHME26000KST200H6HF KC6305	K34
RHME26000KST200H6SF KC6005	K33
RHME26000KST200H6SF KC6305	K33
RHME27000KST200H6HF KC6005	K34
RHME27000KST200H6HF KC6305	K34
RHME27000KST200H6SF KC6005	K33
RHME27000KST200H6SF KC6305	K33
RHME28000KST250H6HF KC6005	K34
RHME28000KST250H6HF KC6305	K34
RHME28000KST250H6SF KC6005	K33
RHME28000KST250H6SF KC6305	K33
RHME30000KST250H6HF KC6005	K34
RHME30000KST250H6HF KC6305	K34
RHME30000KST250H6SF KC6005	K33
RHME30000KST250H6SF KC6305	K33
RHME31750KST250H6HF KC6005	K34

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
RHME31750KST250H6HF KC6305	K34
RHME31750KST250H6SF KC6005	K33
RHME31750KST250H6SF KC6305	K33
RHME32000KST250H6HF KC6005	K34
RHME32000KST250H6HF KC6305	K34
RHME32000KST250H6SF KC6005	K33
RHME32000KST250H6SF KC6305	K33
RHME34000KST300H6HF KC6005	K34
RHME34000KST300H6HF KC6305	K34
RHME34000KST300H6SF KC6005	K33
RHME34000KST300H6SF KC6305	K33
RHME36000KST300H6HF KC6005	K34
RHME36000KST300H6HF KC6305	K34
RHME36000KST300H6SF KC6005	K33
RHME36000KST300H6SF KC6305	K33
RHME38000KST350H6HF KC6005	K34
RHME38000KST350H6HF KC6305	K34
RHME38000KST350H6SF KC6005	K33
RHME38000KST350H6SF KC6305	K33
RHME40000KST350H6HF KC6005	K34
RHME40000KST350H6HF KC6305	K34
RHME40000KST350H6SF KC6005	K33
RHME40000KST350H6SF KC6305	K33
RHME42000KST350H6HF KC6005	K34
RHME42000KST350H6HF KC6305	K34
RHME42000KST350H6SF KC6005	K33
RHME42000KST350H6SF KC6305	K33
RHR14000KST115H7HF KCU05	K28
RHR14000KST115H7SF KCU05	K27
RHR15000KST115H7HF KCU05	K28
RHR15000KST115H7SF KCU05	K27
RHR16000KST135H7HF KCU05	K28
RHR16000KST135H7SF KCU05	K27
RHR17000KST135H7HF KCU05	K28
RHR17000KST135H7SF KCU05	K27
RHR18000KST155H7HF KCU05	K28
RHR18000KST155H7SF KCU05	K27
RHR19000KST155H7HF KCU05	K28
RHR19000KST155H7SF KCU05	K27
RHR20000KST175H7HF KCU05	K28
RHR20000KST175H7SF KCU05	K27
RHR21000KST175H7HF KCU05	K28
RHR21000KST175H7SF KCU05	K27
RHR22000KST175H7HF KCU05	K28
RHR22000KST175H7SF KCU05	K27
RHR23000KST200H7HF KCU05	K28
RHR23000KST200H7SF KCU05	K27
RHR24000KST200H7HF KCU05	K28
RHR24000KST200H7SF KCU05	K27
RHR25000KST200H7HF KCU05	K28
RHR25000KST200H7SF KCU05	K27
RHR26000KST200H7HF KCU05	K28
RHR26000KST200H7SF KCU05	K27
RHR27000KST200H7HF KCU05	K28
RHR27000KST200H7SF KCU05	K27
RHR28000KST250H7HF KCU05	K28
RHR28000KST250H7SF KCU05	K27
RHR29000KST250H7HF KCU05	K28
RHR29000KST250H7SF KCU05	K27
RHR30000KST250H7HF KCU05	K28
RHR30000KST250H7SF KCU05	K27
RHR31000KST250H7HF KCU05	K28
RHR31000KST250H7SF KCU05	K27
RHR32000KST250H7HF KCU05	K28
RHR32000KST250H7SF KCU05	K27
RHR33000KST300H7HF KCU05	K28
RHR33000KST300H7SF KCU05	K27
RHR34000KST300H7HF KCU05	K28
RHR34000KST300H7SF KCU05	K27
RHR35000KST300H7HF KCU05	K28
RHR35000KST300H7SF KCU05	K27
RHR36000KST300H7HF KCU05	K28
RHR36000KST300H7SF KCU05	K27
RHR37000KST300H7HF KCU05	K28
RHR37000KST300H7SF KCU05	K27
RHR38000KST350H7HF KCU05	K28
RHR38000KST350H7SF KCU05	K27
RHR39000KST350H7HF KCU05	K28
RHR39000KST350H7SF KCU05	K27
RHR40000KST350H7HF KCU05	K28
RHR40000KST350H7SF KCU05	K27
RHR41000KST350H7HF KCU05	K28
RHR41000KST350H7SF KCU05	K27
RHR42000KST350H7HF KCU05	K28
RHR42000KST350H7SF KCU05	K27
RIQ06E1300 KC6005	K55
RIQ06E1300 KC6105	K55
RIQ06E1300 KC6305	K55
RIQ06E1306 KC6005	K55
RIQ06E1306 KC6105	K55
RIQ06E1306 KC6305	K55
RIQ06E1312 KC6005	K55
RIQ06E1312 KC6105	K55
RIQ06E1312 KC6305	K55
RIQ06EDR00 KC6005	K56
RIQ06EDR00 KC6105	K56
RIQ06EDR00 KC6305	K56
RIQ06EDR06 KC6005	K56
RIQ06EDR06 KC6105	K56
RIQ06EDR06 KC6305	K56
RIQ06EDR06 KD1415	K56
RIQ06EDR12 KC6005	K56
RIQ06EDR12 KC6105	K56
RIQ06EDR12 KC6305	K56
RIQ06EGR00 KC6005	K56
RIQ06EGR00 KC6105	K56
RIQ06EGR00 KC6305	K56
RIQ06EGR06 KC6005	K56
RIQ06EGR06 KC6105	K56
RIQ06EGR06 KC6305	K56
RIQ06EGR06 KD1415	K56
RIQ06EGR12 KC6005	K56
RIQ06EGR12 KC6105	K56
RIQ06EGR12 KC6305	K56
RIQ06R0200 KD1415	K54
RIQ06R0400FB KT6225	K55
RIQ06R0400S KB1610	K54
RIQ06R0500FT KT6315	K55
RIQ07C4500S KBHK10	K56
RIQ07C4500S KBHK15	K56
RIQ08C4500S KBHK10	K56
RIQ08C4500S KBHK15	K56
RIQ09C4500S KBHK10	K56
RIQ09C4500S KBHK15	K56
RIQ09E1300 KC6005	K55
RIQ09E1300 KC6105	K55
RIQ09E1300 KC6305	K55
RIQ09E1306 KC6005	K55
RIQ09E1306 KC6105	K55
RIQ09E1306 KC6305	K55
RIQ09E1312 KC6005	K55
RIQ09E1312 KC6105	K55
RIQ09E1312 KC6305	K55
RIQ09EDR00 KC6005	K56
RIQ09EDR00 KC6105	K56
RIQ09EDR00 KC6305	K56
RIQ09EDR06 KC6005	K56
RIQ09EDR06 KC6105	K56
RIQ09EDR06 KC6305	K56
RIQ09EDR06 KD1415	K56
RIQ09EDR12 KC6005	K56
RIQ09EDR12 KC6105	K56
RIQ09EDR12 KC6305	K56
RIQ09EGR00 KC6005	K56
RIQ09EGR00 KC6105	K56
RIQ09EGR00 KC6305	K56
RIQ09EGR06 KC6005	K56
RIQ09EGR06 KC6105	K56
RIQ09EGR06 KC6305	K56
RIQ09EGR06 KD1415	K56
RIQ09EGR12 KC6005	K56
RIQ09EGR12 KC6105	K56
RIQ09EGR12 KC6305	K56
RIQ09R0400FB KT6225	K55
RIQ09R0400S KB1610	K54
RIQ09R0506FT KT6315	K55
RIQB6C4500S KBHK10	K56
RIQB6C4500S KBHK15	K56
RIQB7C4500S KBHK10	K56
RIQB7C4500S KBHK15	K56
RIR01E1306 KC6105	K53
RIR01E1312 KC6105	K53
RIR01EGU00 KC6105	K53
RIR02E1312 KC6105	K53
RIR02E1312 KC6305	K53
RIR03E1312 KC6305	K53
RIR04E1312 KC6005	K53
RIR04E1312 KC6105	K53
RIR04EDS06 KD1415	K53
RIR05EGU00 KC6105	K53
RIRT4C4512 KC6005	K54
RK90SD1218	U40, U42, U44, U48
RK90SD1220	U43, U45, U49
RK90SP1014	U27, U30, U32, U34
RK90SP1016	U31, U35
RKDF1000X4CQE KCSM15	O35
RKDF1200X4CQF KCSM15	O35
RKDF1600X6CQF KCSM15	O35
RKDF2000X6CQF KCSM15	O35
RKDF2500X6CQF KCSM15	O35
RMB14000H7HF KT6215	K18
RMB14000H7SF KT6215	K17
RMB15000H7HF KT6215	K18
RMB15000H7SF KT6215	K17
RMB16000H7HF KT6215	K18
RMB16000H7SF KT6215	K17
RMB17000H7SF KT6215	K17
RMB18000H7HF KT6215	K18
RMB18000H7SF KT6215	K17
RMB19000H7HF KT6215	K18
RMB19000H7SF KT6215	K17
RMB20000H7HF KT6215	K18
RMB20000H7SF KT6215	K17
RMBE14000H6HF KC6005	K20
RMBE14000H6HF KC6305	K20
RMBE14000H6SF KC6005	K19
RMBE14000H6SF KC6305	K19
RMBE15000H6HF KC6005	K20
RMBE15000H6HF KC6305	K20
RMBE15000H6SF KC6005	K19
RMBE15000H6SF KC6305	K19
RMBE16000H6HF KC6005	K20
RMBE16000H6HF KC6305	K20
RMBE16000H6SF KC6005	K19
RMBE16000H6SF KC6305	K19
RMBE17000H6HF KC6005	K20
RMBE17000H6HF KC6305	K20
RMBE17000H6SF KC6005	K19
RMBE17000H6SF KC6305	K19
RMBE18000H6HF KC6005	K20
RMBE18000H6HF KC6305	K20
RMBE18000H6SF KC6005	K19
RMBE18000H6SF KC6305	K19
RMBE19000H6HF KC6005	K20
RMBE19000H6HF KC6305	K20
RMBE19000H6SF KC6005	K19
RMBE19000H6SF KC6305	K19
RMBE20000H6HF KC6005	K20
RMBE20000H6HF KC6305	K20
RMBE20000H6SF KC6005	K19
RMBE20000H6SF KC6305	K19
RMR14000H7HF KCU05	K16
RMR14000H7SF KCU05	K15
RMR15000H7HF KCU05	K16
RMR15000H7SF KCU05	K15
RMR16000H7HF KCU05	K16
RMR16000H7SF KCU05	K15
RMR17000H7HF KCU05	K16
RMR17000H7SF KCU05	K15
RMR18000H7HF KCU05	K16
RMR18000H7SF KCU05	K15
RMR19000H7HF KCU05	K16
RMR19000H7SF KCU05	K15
RMR20000H7HF KCU05	K16
RMR20000H7SF KCU05	K15
RMS05000H7HF K605	K9
RMS05000H7HF KC6305	K9
RMS05000H7SF K605	K8
RMS05000H7SF KC6305	K8
RMS05500H7HF K605	K9
RMS05500H7HF KC6305	K9
RMS05500H7SF K605	K8
RMS05500H7SF KC6305	K8
RMS06000H7HF K605	K9
RMS06000H7HF KC6305	K9
RMS06000H7SF K605	K8
RMS06000H7SF KC6305	K8
RMS06500H7HF K605	K9
RMS06500H7HF KC6305	K9
RMS06500H7SF K605	K8
RMS06500H7SF KC6305	K8
RMS07000H7HF K605	K9
RMS07000H7HF KC6305	K9
RMS07000H7SF K605	K8
RMS07000H7SF KC6305	K8
RMS08000H7HF K605	K9
RMS08000H7HF KC6305	K9
RMS08000H7SF K605	K8
RMS08000H7SF KC6305	K8
RMS09000H7HF K605	K9
RMS09000H7HF KC6305	K9
RMS09000H7SF K605	K8
RMS09000H7SF KC6305	K8
RMS10000H7HF K605	K9
RMS10000H7HF KC6305	K9
RMS10000H7SF K605	K8
RMS10000H7SF KC6305	K8
RMS11000H7HF K605	K9
RMS11000H7HF KC6305	K9
RMS11000H7SF K605	K8
RMS11000H7SF KC6305	K8
RMS12000H7HF K605	K9
RMS12000H7HF KC6305	K9
RMS12000H7SF K605	K8
RMS12000H7SF KC6305	K8
RMS13000H7HF K605	K9
RMS13000H7HF KC6305	K9
RMS13000H7SF K605	K8
RMS13000H7SF KC6305	K8
RMS14000H7HF K605	K9
RMS14000H7HF KC6305	K9
RMS14000H7SF K605	K8
RMS14000H7SF KC6305	K8
RNGA090300T02020 KY1615	B316
RNGA120400T02020 KY1615	B316
RNGJ10T3M0ELDJ KC725M	V50
RNGJ10T3M0ELDJ KCSM40	V50
RNGJ10T3M0FLDJ KC422M	V50
RNGJ10T3M0SGDJ KC725M	V51
RNGJ10T3M0SGDJ KCSM30	V51
RNGJ1204M0ELD KC522M	V57
RNGJ1204M0ELD KC725M	V57
RNGJ1204M0ELD KCPK30	V57
RNGJ1204M0ELDJ KCSM30	V57
RNGJ1204M0ENLDJX KC522M	V65
RNGJ1204M0FLDJ KC422M	V57
RNGJ1204M0SGD KC522M	V57
RNGJ1204M0SGD KC725M	V57
RNGJ1204M0SGD KCPK30	V57
RNGJ1204M0SGDJ KCSM40	V57
RNGJ1204M0SHD KC725M	V58
RNGJ1204M0SHD KCPK30	V58
RNGJ1204M0SNGDJX KC725M	V65
RNGJ1605M0ELDJ KC522M	V61
RNGJ1605M0ELDJ KC725M	V61
RNGN090300S02015C KB5630	B317
RNGN090300T02020 KY1615	B316
RNGN090400S02020 KBK45	B284
RNGN090400T02020 KY1615	B316
RNGN120300T02020 KY1615	B316
RNGN120400EGN KYS30	V148
RNGN120400EGN KYSP30	V148
RNGN120400S02020 KBK45	B284
RNGN120400T01020 KYS30	B334
RNGN120400T02020 KY1615	B316
RNGN120400T02020 KY3500	B296
RNGN120400T02020 KYK10	B296
RNGN120400TGN KYS30	V148
RNGN120400TGN KYSP30	V148
RNGN120700T00525 KYS30	B334
RNGN120700T01020 KYS30	B334
RNGN120700T01025 KYS25	B334
RNGN120700T01025 KYS30	B334
RNGN120700T02020 KY1615	B316
RNGN120700T02020 KY3500	B296
RNGN120700T10015 KY1615	B316
RNGN120700T20015 KY1615	B316
RNGN190700T01020 KYS30	B334

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
RNGN190700T02020 KY1615	B316
RNGN190700T02020 KY3500	B296
RNGX120400S02020 KBK45	B287
RNMA120400 K68	B94
RNMA150600 K68	B94
RNMG090300RN KCP25	B94
RNMG090300RN KCP25B	B94
RNMG120400RN KC5010	B94
RNMG120400RN KCP10	B94
RNMG120400RN KCP10B	B94
RNMG120400RN KCP25B	B94
RNMG120400RN KCP30	B94
RNMG120400RN KCU10	B94
RNMG120400UN KCK15B	B94
RNMG120400UN KCK20	B94
RNMG150600RN KCP25B	B94
RNMG150600RN KCP30	B94
RNMG190600 K313	B94
RNMG190600 KCP25	B94
RNMG190600 KCP40	B94
RNMG190600RN KC5010	B94
RNMG190600RN KCP25	B94
RNMG190600RN KCP25B	B94
RNMG190600RN KCP40B	B94
RNMG190600RN KCU10	B94
RNMG250900RN KCP10	B94
RNMG250900RN KCP25	B94
RNMN090300S02020 KB1340	B285
RNMN120300S02020 KB1340	B285
RNMN120400S02020 KB1340	B285
RNPJ10T3M0SGD KC522M	V51
RNPJ10T3M0SGD KCPK30	V51
RNPJ10T3M0SGD KCPM40	V51
RNPJ10T3M0SHD KC725M	V51
RNPJ10T3M0SHD KCK15	V51
RNPJ10T3M0SHD KCPK30	V51
RNPJ10T3M0SHD KCPM40	V51
RNPJ1204M0SGD KC522M	V58
RNPJ1204M0SGD KC725M	V58
RNPJ1204M0SGD KCPK30	V58
RNPJ1204M0SGD KCPM40	V58
RNPJ1204M0SHD KC725M	V58
RNPJ1204M0SHD KCPK30	V58
RNPJ1204M0SHD KCPM40	V58
RNPJ1605M0SGD KC522M	V61
RNPJ1605M0SGD KC725M	V61
RNPJ1605M0SGD KCPK30	V61
RNPJ1605M0SGD KCPM40	V61
RNPJ1605M0SGD KCSM40	V61
RNPJ1605M0SHD KC520M	V61
RNPJ1605M0SHD KC725M	V61
RNPJ1605M0SHD KCK15	V61
RNPJ1605M0SHD KCPK30	V61
RNPJ1605M0SHD KCPM40	V61
RPET1204M0ELE KC725M	V73
RPET1204M0ELE KCPK30	V73
RPET1204M0ELEJ KC422M	V73
RPET1204M0ELEJ KC522M	V73
RPET1204M0ELEJ KC725M	V73
RPET1204M0ELEJ KCSM30	V73
RPET1204M0SGE KCPK30	V74
RPET1204M0SGEJ KC522M	V73
RPET1204M0SGEJ KC725M	V73
RPET1204M0SGEJ KCSM30	V73
RPET1605M0ELE KCPK30	V79
RPET1605M0ELEJ KC725M	V79
RPET1605M0SGE KCPK30	V79
RPET1605M0SGEJ KC522M	V79
RPET1605M0SGEJ KC725M	V79
RPET1605M0SGEJ KCSM30	V79
RPEX10T3M0F701X4 GH1	V90
RPEX10T3M0F701X4 SP4019	V90
RPEX1204M0E701X4 X500	V95
RPEX1204M0F701X4 GH1	V95
RPGN060200E KYS30	B334, V155
RPGN060200E KYSP30	V155
RPGN090300E KYS30	B334, V155
RPGN090300E KYSP30	V155
RPGN090300T01020 KYS30	B334, V155
RPGN120300 K313	B166
RPGN120400E KYS30	B334, V155
RPGN120400E KYSP30	V155
RPGN120400T01020 KYS30	B334, V155
RPGT060400MP KCS10	B229
RPGV060400 KC5010	B167
RPGV090700 KC5010	B167
RPGV120700 KC5010	B167
RPGV120700MP KC5010	B167
RPGX060400MP KCS10	B167
RPGX090700E KYS25	B334
RPGX090700E KYS30	B334
RPGX090700MP KCS10	B167
RPGX090700T01020 KYS30	B334
RPGX120700E KYS25	B334
RPGX120700E KYS30	B334
RPGX120700MP KCS10	B167
RPGX120700T01020 KYS30	B334
RPHT10T3M0E421X4 X500	V90
RPHT10T3M0E421X4 X700	V90
RPHT10T3M0E422X4 SP6519	V91
RPHT10T3M0E422X4 X500	V91
RPHT10T3M0E422X4 X700	V91
RPHT10T3M0E422X8 SP6519	V91
RPHT10T3M0E422X8 X500	V91
RPHT10T3M0E422X8 X700	V91
RPHT10T3M0TX4 SP6519	V91
RPHT10T3M0TX4 X500	V91
RPHT1204M0E421X4 X500	V95
RPHT1204M0E442X4 SP6519	V95
RPHT1204M0E442X4 X500	V95
RPHT1204M0E442X4 X700	V95
RPHT1204M0E442X5 SC6525	V96
RPHT1204M0E442X5 SP6519	V96
RPHT1204M0E442X5 X500	V96
RPHT1204M0E442X5 X700	V96
RPHT1204M0E442X8 SC6525	V96
RPHT1204M0SGDX5 KCM40	V96
RPHT1204M0SGDX8 KCM40	V96
RPHT1204M0TX4 SP6519	V96
RPHT1204M0TX4 X500	V96
RPHT1204M0TX4 X700	V96
RPMT10T3M0E41X4 MP91M	V91
RPMT10T3M0E41X4 SP6519	V91
RPMT10T3M0E41X4 X500	V91
RPMT1204M0E41X4 MP91M	V96
RPMT1204M0E41X4 SP6519	V96
RPMT1204M0E41X4 X500	V96
RPMW10T3M0TX4 X500	V91
RPMW1204M0TX4 MP91M	V97
RPMW1204M0TX4 SP6519	V97
RPMW1204M0TX4 X500	V97
RPPT10T3M0E432X5 SC6525	V91
RPPT10T3M0E432X5 SP6519	V91
RPPT10T3M0E432X5 X500	V91
RPPT10T3M0E432X5 X700	V91
RPPT1204M0E432X4 SC6525	V97
RPPT1204M0E432X4 X500	V97
RPPT1204M0E432X4 X700	V97
RPPT1204M0E432X5 SC6525	V97
RPPT1204M0E432X5 SP6519	V97
RPPT1204M0E432X5 X500	V97
RPPT1204M0E432X5 X700	V97
RPPT1204M0E432X8 SP6519	V97
RPPT1204M0E432X8 X500	V97
RPPT1204M0E432X8 X700	V97
RPPT1204M0SGDX KC725M	V74
RPPT1204M0SGDX KCPM40	V74
RPPT1204M0SGDX4 KCM40	V97
RPPT1204M0SGDX5 KCM40	V97
RPPT1204M0SGDX8 KCM40	V97
RPPT1204M0SGP KC725M	V74
RPPT1204M0SGP KCPK30	V74
RPPT1204M0SGP KCPM40	V74
RPPT1605M0SHP KC725M	V80
RPPT1605M0SHP KCPK30	V80
RPPT1605M0SHP KCPM40	V80
RQBB1000X4CN KCPM15	036
RQBB1200X4CN KCPM15	036
RQBB1600X4CN KCPM15	036
RQBB2000X4CN KCPM15	036
RQBB2500X4CN KCPM15	036
RQDB1000X4CV KCPM15	034
RQDB1200X4CV KCPM15	034
RQDB1600X4CV KCPM15	034
RQDB2000X4CV KCPM15	034
RQDB2500X5CV KCPM15	034
RS1605	K125
RS1606	K125
RS1608	K125
RS1610	K125
RS1612	K125
RUDC0400B3BN KCPM15	P80
RUDC0500B3BN KCPM15	P80
RUDC0600B3BN KCPM15	P80
RUDC0800B3BN KCPM15	P80
RUDC1000B4BN KCPM15	P80
RUDC1200B4BN KCPM15	P80
RUDC1400B4BN KCPM15	P80
RUDC1600B4BN KCPM15	P80
RUDC1800B4BN KCPM15	P80
RUDC2000B4BN KCPM15	P80
RUDC2500B5BN KCPM15	P80
S1006PKG	E59
S2160	V82
S32SCCLNR12MX7	B372
S40T-CCLNL12-MN7	B372
S40T-CCLNL12-MX7	B372
S40T-CCLNR12-MN4	B372
S40T-CCLNR12-MN7	B372
S40T-CCLNR12-MX7	B372
S40T-CSSNL12-MX7	B373
S40T-CSSNR12-MX7	B373
S40T-CSYNR12-MN7	B373
S40T-CWLNL08-MX7	B374
SALS063S	S126
SALS080	S126
SALS100	S126
SALS125	S126
SALS160	S126
SB3230	T118
SB3232	T118
SB3413	T115
SB3621	T115
SCACR1010M06Q	B179
SCACR1212M06Q	B179
SCACR1616K09Q	B179
SCDPR1212H06	B192
SCEPR1010H06	B192
SCEPR1212H06	B192
SCFPL08CA06	B199
SCFPR06CA05	B199
SCFPR08CA06	B199
SCFPR10CA09	B199
SCGCL1212N09	B179
SCGCR1010M06	B179
SCGCR1212N09	B179
SCGN090408EFW KY3500	B299
SCGN090408S01015WCB KBK45	B288
SCGN090408S01015WCC KBK45	B288
SCGPR08CA06	B200
SCKCR2020K09	B180
SCKPL08CA06	B201
SCKPR08CA06	B201
SCLCL0808L06	B180
SCLCL1010M06	B180
SCLCL1212N09	B180
SCLCL12CA12	B183
SCLCL1616H09	B180
SCLCL2020K09	B180
SCLCL2020K12	B180
SCLCL2525M09	B180
SCLCL2525M12	B180
SCLCR0808L06	B180
SCLCR1010M06	B180
SCLCR1212N09	B180
SCLCR12CA12	B183
SCLCR1616H09	B180
SCLCR16CA12	B183
SCLCR2020K09	B180
SCLCR2020K12	B180
SCLCR2525M09	B180
SCLCR2525M12	B180
SCLCRF0808M06Q	B181
SCLCRF1010M06Q	B181
SCLCRF1212M06Q	B181
SCLCRF1616K09Q	B181
SCLPL08CA06	B202
SCLPL10CA09	B202
SCLPL1212M06	B193
SCLPR06CA05	B202
SCLPR08CA06	B202
SCLPR10CA09	B202
SCLPR1212M06	B193
SCMT09T30411 KT315	B230
SCMT09T304FP KCM25	B230
SCMT09T304FP KCP10	B230
SCMT09T304FP KCP25	B230
SCMT09T304FP KCU10	B230
SCMT09T304FP KCU25	B230
SCMT09T304LF KC5010	B230
SCMT09T304LF KC5025	B230
SCMT09T304LF KCK05	B230
SCMT09T304LF KCK15B	B230
SCMT09T304LF KCK20	B230
SCMT09T304LF KCM25	B230
SCMT09T304LF KCP10	B230
SCMT09T304LF KCP10B	B230
SCMT09T304LF KCP25	B230
SCMT09T304LF KCP25B	B230
SCMT09T304LF KCP30	B230
SCMT09T304LF KT315	B230
SCMT09T304MP KCK20	B231
SCMT09T304MP KCM15	B231
SCMT09T304MP KCM25	B231
SCMT09T304MP KCP25	B231
SCMT09T304MP KCU10	B231
SCMT09T30811 KT315	B230
SCMT09T308FP KCK20	B230
SCMT09T308FP KCM15	B230
SCMT09T308FP KCP10	B230
SCMT09T308FP KCP25	B230
SCMT09T308FP KCP25B	B230
SCMT09T308FP KCU10	B230
SCMT09T308FP KCU25	B230
SCMT09T308FP KTP10	B230
SCMT09T308LF KC5010	B230
SCMT09T308LF KC5025	B230
SCMT09T308LF KCK05	B230
SCMT09T308LF KCK05B	B230
SCMT09T308LF KCK15	B230
SCMT09T308LF KCK15B	B230
SCMT09T308LF KCK20	B230
SCMT09T308LF KCK20B	B230
SCMT09T308LF KCM25	B230
SCMT09T308LF KCP10	B230
SCMT09T308LF KCP10B	B230
SCMT09T308LF KCP25	B230
SCMT09T308LF KCP25B	B230
SCMT09T308LF KCP30	B230
SCMT09T308MF KCK15	B231
SCMT09T308MF KCK15B	B231
SCMT09T308MF KCK20	B231
SCMT09T308MF KCK20B	B231
SCMT09T308MF KCM25	B231
SCMT09T308MF KCM25B	B231
SCMT09T308MF KCP10	B231
SCMT09T308MF KCP10B	B231
SCMT09T308MF KCP25	B231
SCMT09T308MF KCP25B	B231
SCMT09T308MP KCK20B	B231
SCMT09T308MP KCM15	B231
SCMT09T308MP KCM25	B231
SCMT09T308MP KCM25B	B231
SCMT09T308MP KCP10	B231
SCMT09T308MP KCP25	B231
SCMT09T308MP KCP25B	B231
SCMT09T308MP KCU10	B231
SCMT09T308UF KC5010	B231
SCMT09T308UF KCP05	B231
SCMT09T308UF KCP10	B231
SCMT09T312MF KCP25B	B231
SCMT12040411 KT315	B230
SCMT120404FP KCP25	B230
SCMT120404FP KCU10	B230
SCMT120404LF KC5010	B230
SCMT120404LF KCM25B	B230
SCMT120404LF KCP10	B230
SCMT120404LF KCP25	B230

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
SCMT120404LF KCP30	B230
SCMT120404MP KCM25	B231
SCMT120404MP KCU10	B231
SCMT12040811 KT315	B230
SCMT120408FP KCM25	B230
SCMT120408FP KCP25B	B230
SCMT120408FP KCU10	B230
SCMT120408LF KC5010	B230
SCMT120408LF KC5025	B230
SCMT120408LF KCK05	B230
SCMT120408LF KCK15	B230
SCMT120408LF KCK15B	B230
SCMT120408LF KCK20	B230
SCMT120408LF KCK20B	B230
SCMT120408LF KCM15	B230
SCMT120408LF KCM25	B230
SCMT120408LF KCM25B	B230
SCMT120408LF KCP10B	B230
SCMT120408LF KCP25	B230
SCMT120408LF KCP25B	B230
SCMT120408LF KCP30	B230
SCMT120408MF KCK15	B231
SCMT120408MF KCK15B	B231
SCMT120408MF KCK20	B231
SCMT120408MF KCK20B	B231
SCMT120408MF KCM15	B231
SCMT120408MF KCM25	B231
SCMT120408MF KCM25B	B231
SCMT120408MF KCM35	B231
SCMT120408MF KCP10	B231
SCMT120408MF KCP25	B231
SCMT120408MF KCP25B	B231
SCMT120408MF KCP30	B231
SCMT120408MP KCK20	B231
SCMT120408MP KCK20B	B231
SCMT120408MP KCM25	B231
SCMT120408MP KCM25B	B231
SCMT120408MP KCP10	B231
SCMT120408MP KCP25	B231
SCMT120408MP KCU10	B231
SCMT120412FP KCP25	B230
SCMT120412FP KCU10	B230
SCMT120412LF KC5010	B230
SCMT120412LF KCK20	B230
SCMT120412LF KCP10B	B230
SCMT120412LF KCP25B	B230
SCMT120412MF KCK15	B231
SCMT120412MF KCK15B	B231
SCMT120412MF KCK20	B231
SCMT120412MF KCK20B	B231
SCMT120412MF KCP10	B231
SCMT120412MF KCP25	B231
SCMT120412MF KCP25B	B231
SCMT120412MP KCM25	B231
SCMT120412MP KCP25	B231
SCMW09T304 KCK20	B232
SCMW09T308 KCK20	B232
SCMW09T308 KCK20B	B232
SCMW120408 KCK20	B232
SCMW120408 KCK20B	B232
SCMW120412 KCK20	B232
SCMW120412 KCK20B	B232
SCRCR1212N09	B181
SCRCR1616H09	B181
SCRPR08CA06	B203
SCSPL06CA05	B204
SCSPL08CA06	B204
SCSPR06CA05	B204
SCSPR08CA06	B204
SCSPR1010H06	B193
SCTPL08CA06	B205
SCTPR06CA05	B205
SCTPR08CA06	B205
SCW5E	C49
SCW8E	C49
SDACL1212M11Q	B209
SDACR1212M11Q	B209
SDACR1616K11Q	B209
SDB115RBHT12F	K122
SDB115RBHT16LF	K122
SDB24RBHT06F	K122
SDB30RBHT06F	K122
SDB40RBHT09F	K122
SDB50RBHT09F	K122
SDB66RBHT12F	K122
SDB66RBHT12LF	K122
SDB87RBHT12F	K122
SDB87RBHT16LF	K122
SDCT120404PDELLD2 KC725M	T104, T111, U51
SDCT120404PDERLD2 KC725M	T104, T111, U51
SDCT120404PDFLLE KC410M	T103, T110, U50, V141
SDCT120404PDFRLE KC410M	T103, T110, U50, V141
SDCT120412PDELLD2 KC725M	T104, T111, U51
SDCT120412PDERLD2 KC725M	T104, T111, U51
SDCT120412PDERLD2 KCSM40	T104, T111, U51
SDCT120412PDFLLE KC410M	T103, T110, U50, V141
SDCT120412PDFRLE KC410M	T103, T110, U50, V141
SDCT120416ENLD2 KC725M	T104, T111, U51
SDCT120416ENLD2 KCSM40	T104, T111, U51
SDCT120416FNLE KC410M	T103, T110, U50, V141
SDCT120420ENLD2 KC725M	T104, T111, U51
SDCT120420FNLE KC410M	T103, T110, U50, V141
SDCT120424ENLD2 KC725M	T104, T111, U51
SDCT120424FNLE KC410M	T103, T110, U50, V141
SDCT120432ENLD2 KC522M	T104, T111, U51
SDCT120432ENLD2 KC725M	T104, T111, U51
SDCT120432ENLD2 KCSM30	T104, T111, U51
SDCT120432ENLD2 KCSM40	T104, T111, U51
SDCT120432FNLE KC410M	T103, T110, U50, V141
SDCT120464ENLD2 KC725M	T104, T111, U51
SDCT120464ENLD2 KCSM40	T104, T111, U51
SDCT1204PDELLD2 KC725M	T104, T111, U51
SDCT1204PDERLD2 KC520M	T104, T111, U51
SDCT1204PDERLD2 KC725M	T104, T111, U51
SDCT1204PDERLD2 KCPM40	T104, T111, U51
SDCT1204PDERLD2 KCSM40	T104, T111, U51
SDCT1204PDFLLE KC410M	T103, T110, U50, V141
SDCT1204PDFRLE KC410M	T103, T110, U50, V141
SDCW120412PDSRGN KY3500	T106, T113
SDCW1204PDSRGN KY3500	T106, T113
SDET120412PDELGB2 KC520M	T104, T111, U52
SDET120412PDELGB2 KC725M	T104, T111, U52
SDET120412PDELGB2 KCK15	T104, T111, U52
SDET120412PDENGDZ KC725M	V141
SDET120412PDENGDZ KCPK30	V141
SDET120412PDENGDZ KCPM40	V141
SDET120412PDERGB KC725M	T105, T112, U51
SDET120412PDERGB KCPM40	T105, T112, U51
SDET120412PDERGB KCSM40	T105, T112, U51
SDET120412PDERGB2 KC520M	T104, T111, U52
SDET120412PDERGB2 KC725M	T104, T111, U52
SDET120412PDERGB2 KCK15	T104, T111, U52
SDET120412PDERGB2 KCPK30	T104, T111, U52
SDET120412PDERGB2 KCPM40	T104, T111, U52
SDET120412PDSNGDZ KC522M	V141
SDET120412PDSNGDZ KC725M	V141
SDET120412PDSNGDZ KCPK30	V141
SDET120412PDSNGDZ KCPM40	V141
SDET120412PDSRGB KC725M	T105, T112, U51
SDET120412PDSRGB KCSM40	T105, T112, U51
SDET120416ENGB KCSM40	T105, T112, U51
SDET120416SNGB KC725M	T105, T112, U51
SDET120416SNGB KCSM40	T105, T112, U51
SDET120416SNGB2 KC520M	T104, T111, U52
SDET120416SNGB2 KC725M	T104, T111, U52
SDET120416SNGB2 KCK15	T104, T111, U52
SDET120416SNGB2 KCPK30	T104, T111, U52
SDET120420SNGB2 KC520M	T104, T111, U52
SDET120420SNGB2 KC725M	T104, T111, U52
SDET120420SNGB2 KCK15	T104, T111, U52
SDET120420SNGB2 KCPK30	T104, T111, U52
SDET120420SNGB2 KCPM40	T104, T111, U52
SDET120424ENGB KC725M	T105, T112, U51
SDET120424ENGB KCSM40	T105, T112, U51
SDET120424SNGB KC725M	T105, T112, U51
SDET120424SNGB KCSM40	T105, T112, U51
SDET120424SNGB2 KC725M	T104, T111, U52
SDET120424SNGB2 KCK15	T104, T111, U52
SDET120424SNGB2 KCPK30	T104, T111, U52
SDET120432ENGB KC725M	T105, T112, U51
SDET120432ENGB KCSM40	T105, T112, U51
SDET120432SNGB KCSM40	T105, T112, U51
SDET120432SNGB2 KC520M	T104, T111, U52
SDET120432SNGB2 KC725M	T104, T111, U52
SDET120432SNGB2 KCK15	T104, T111, U52
SDET120432SNGB2 KCPK30	T104, T111, U52
SDET120432XENGB2 KC725M	T104, T111, U52
SDET120448ENGB KC725M	T105, T112, U51
SDET120448ENGB KCSM40	T105, T112, U51
SDET120448SNGB KC725M	T105, T112, U51
SDET120448SNGB KCSM40	T105, T112, U51
SDET120464ENGB KC725M	T105, T112, U51
SDET120464ENGB KCSM40	T105, T112, U51
SDET120464SNGB KC725M	T105, T112, U51
SDET120464SNGB KCPK30	T105, T112, U51
SDET120464SNGB KCSM30	T105, T112, U51
SDET120464SNGB KCSM40	T105, T112, U51
SDET120464SNGB2 KCPK30	T104, T111, U52
SDET1204PDELGB2 KC520M	T104, T111, U52
SDET1204PDELGB2 KC725M	T104, T111, U52
SDET1204PDELGB2 KCK15	T104, T111, U52
SDET1204PDELGB2 KCPK30	T104, T111, U52
SDET1204PDERGB KC520M	T105, T112, U51
SDET1204PDERGB KCSM40	T105, T112, U51
SDET1204PDERGB2 KC520M	T104, T111, U52
SDET1204PDERGB2 KC725M	T104, T111, U52
SDET1204PDERGB2 KCK15	T104, T111, U52
SDET1204PDERGB2 KCPK30	T104, T111, U52
SDET1204PDERGB2 KCPM40	T104, T111, U52
SDET1204PDERGB2 KCSM40	T104, T111, U52
SDET1204PDSLGB2 KC725M	T104, T111, U52
SDET1204PDSLGB2 KCPK30	T104, T111, U52
SDET1204PDSRGB KC725M	T105, T112, U51
SDET1204PDSRGB KCPK30	T105, T112, U51
SDET1204PDSRGB KCPM40	T105, T112, U51
SDET1204PDSRGB KCSM30	T105, T112, U51
SDET1204PDSRGB KCSM40	T105, T112, U51
SDET1204PDSRGB2 KC520M	T104, T111, U52
SDET1204PDSRGB2 KC725M	T104, T111, U52
SDET1204PDSRGB2 KCK15	T104, T111, U52
SDET1204PDSRGB2 KCPK30	T104, T111, U52
SDET1204PDSRGB2 KCPM40	T104, T111, U52
SDHCL1616H11	B209
SDHCL2020K11	B209
SDHCL2525M11	B209
SDHCL2525M15	B209
SDHCR1616H11	B209
SDHCR2020K11	B209
SDHCR2525M11	B209
SDHCR2525M15	B209
SDHN1204ZZEN4W KC514M	S112
SDHN1204ZZSN4W KBK50	S112
SDHT09T308EN422 KCSM40	T116
SDHT09T308EN422 SP6519	T116
SDHT09T308EN422 X500	T116
SDHT09T308EN423 KCSM40	T116
SDHT09T308EN423 SP6519	T116
SDHT09T308EN423 X500	T116
SDHT09T3AEN422 SP6519	T116
SDHT120412EN422 KCSM40	T119
SDHT120412EN422 SP6519	T119
SDHT120412EN422 X500	T119
SDHT120412EN423 KCSM40	T119
SDHT120412EN423 SP6519	T119
SDHT120412EN423 X500	T119
SDJCL0808L07	B210
SDJCL1010M07	B210
SDJCL1212N07	B210
SDJCL1212N11	B210
SDJCL1616H07	B210
SDJCL1616H11	B210
SDJCL2020K07	B210
SDJCL2020K11	B210
SDJCL2525M11	B210
SDJCL2525M15	B210
SDJCLF1616K11Q	B211
SDJCR0808L07	B210
SDJCR1010M07	B210
SDJCR1212N07	B210
SDJCR1212N11	B210
SDJCR1616H07	B210
SDJCR1616H11	B210
SDJCR2020K07	B210
SDJCR2020K11	B210
SDJCR2020K15	B210
SDJCR2525M11	B210
SDJCR2525M15	B210
SDJCRF0808M07Q	B211
SDJCRF1010M07Q	B211
SDJCRF1212M07Q	B211
SDJCRF1616K11Q	B211
SDJPL10CA07	B220
SDJPR10CA07	B220
SDMT060304EGG KC730M	U4
SDMT060304EGG KC735M	U4
SDMT080308EGG KC505M	U4
SDMT080308EGG KC730M	U4
SDMT080308EGG KC735M	U4
SDMT09T308EN41 KCSM40	T117
SDMT09T308EN41 MP91M	T117
SDMT09T308EN41 SP6519	T117
SDMT09T308EN41 X500	T117
SDMT120408EGG KC505M	U4
SDMT120408EGG KC730M	U4
SDMT120408EGG KC735M	U4
SDMT120412EN41 KCSM40	T120
SDMT120412EN41 MP91M	T120
SDMT120412EN41 SP6519	T120
SDMT120412EN41 X500	T120
SDMW09T308TN KCSM40	T117
SDMW120412TN KCSM40	T120
SDMW120412TN SP6519	T120
SDNCN0808L07	B211
SDNCN1010M07	B211
SDNCN1212N07	B211
SDNCN1616H11	B211
SDNCN2020K11	B211
SDNCN2020K15	B211
SDNCN2525M15	B211
SDPCN1212M11Q	B212
SDPT120412PDENHPZ KC725M	V141
SDPT120412PDENHPZ KCPK30	V141
SDPT120412PDENHPZ KCPM40	V141
SDPT120412PDSNHPZ KC725M	V141
SDPT120412PDSNHPZ KCPK30	V141
SDPT120412PDSNHPZ KCPM40	V141
SDPT1204PDERGB2 KC725M	T105, T112, U52
SDPT1204PDERGB2 KCK15	T105, T112, U52
SDPT1204PDERGB2 KCPK30	T105, T112, U52
SDPT1204PDERGB2 KCPM40	T105, T112, U52
SDPT1204PDERGB2 KCSM40	T105, T112, U52
SDPT1204PDSRGB2 KC725M	T105, T112, U52
SDPT1204PDSRGB2 KCK15	T105, T112, U52
SDPT1204PDSRGB2 KCPK30	T105, T112, U52
SDPT1204PDSRGB2 KCPM40	T105, T112, U52
SDPT1204PDSRGB2 KCSM40	T105, T112, U52
SDSW66	V82
SDUPR10CA07	B221
SECT1404AEENLD2 KC725M	S42
SECT1404AEFNLE KC410M	S42
SECW1404AEENGNW KC725M	S43
SECW1404AESNGN KY3500	S43
SEKT1404AEENGP2 KC520M	S42
SEKT1404AEENGP2 KC725M	S42
SEKT1404AEENGP2 KCK15	S42
SEKT1404AEENGP2 KCPK30	S42
SEKT1404AEENGP2 KCPM40	S42
SEKT1404AESNGP2 KC520M	S42
SEKT1404AESNGP2 KC725M	S42
SEKT1404AESNGP2 KCK15	S42
SEKT1404AESNGP2 KCPK30	S42
SEKT1404AESNGP2 KCPM40	S42
SEPT1404AEENGB2 KC725M	S43
SEPT1404AEENGB2 KCK15	S43
SEPT1404AEENGB2 KCPK30	S43
SEPT1404AEENGB2 KCPM40	S43
SEPT1404AESNGB2 KC725M	S43
SEPT1404AESNGB2 KCK15	S43

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
SEPT1404AESNGB2 KCPK30	S43
SEPT1404AESNGB2 KCPM40	S43
SF075RBHT24	K119
SF100FBH01660	K125
SF100RBHT30	K119
SF100RBHT50	K119
SF125RBHT40	K119
SF125RBHT66	K119
SF150FBH01660	K125
SF150RBHT87	K119
SF200RBHT115	K119
SF300M1LA1RA	K64
SF300M1RS	K64
SF750M1LA1RA	K64
SF750M1RS	K64
SFCPS	K66
SFCR20	K67
SFCR20S	K67
SFCRHSK3263	K67
SFCRHSK63100	K67
SFEBCH	K66
SFEBS	K66
SFMGS	K67
SFSB450	K66
SFSB900	K66
SFSLLA	K65
SFSLLS	K65
SFSLRA	K65
SFSLRS	K65
SFSLSS	K65
SFVB	K65
SHVBR0635M	S147
SIF100HC12090M	K47
SIF100HC20100M	K47
SIF100HC25100M	K47
SIF70HC12090M	K47
SIF70HC20100M	K47
SIF80HC12090M	K47
SIF80HC20100M	K47
SIF80HC25100M	K47
SKCP343 K9	B179–181
SKCP453 K9	B180, B182
SKDP343 K9	B209–211
SKDP453 K9	B209–211, B213
SKRN100300 K9	B227–228
SKRN1203M0 K9	B227–228
SKRN160400 K9	B227
SKSN566K K9	B115–117, B119
SKSP343 K9	B233–234
SKSP453 K9	B233–234
SKTP343 K9	B247–248, B257
SKVN343 K9	B266–268
SKWP343 K9	B271
SM-906 KC720	S116, S120, S122
SM-906LH KC720	S116, S120, S122
SM449 K9	T102
SM455 K9	S41
SM812 K9	E38–40, E42–43
SM813 K9	E37–38, E42
SM815 K9	B174, B371
SM819 K9	B172–173, B354–355
SM837 K9	B172, B354, B378
SM840 K9	B170, B353–354
SM841 K9	B172–174, B354–355, B371
SM871 K9	E37, E41
SM872 K9	E37
SM885 K9	E36, E40
SM886 K9	E36, E40–41
SMYE3 K9	D78–79, D81, D83–86
SMYE4 K9	D78–79, D81, D83–84, D86
SMYE5 K9	D84
SMYI3 K9	D78–79, D81–86
SMYI4 K9	D78–79, D81–86
SMYI5 K9	D82, D84–85
SN2TPKG	W40, W42
SN3TM	W40, W42
SN3TPKG	D82, D86, W40–43
SN5TM	W40–43
SN7T	W40
SNGA120408S01015MT KBH10	B318
SNGA120408S01225MT KBH10	B318
SNGA120408S01225MT KBH20	B318
SNGA120408T02020 KY1615	B317
SNGA120408T02020 KY3500	B293
SNGA120408T02020 KYK10	B293
SNGA120408T02020 KYK25	B293
SNGA120412S01225MT KBH10	B318
SNGA120412S01225MT KBH20	B318
SNGA120412T01020 KYS25	B335
SNGA120412T01020 KYS30	B335
SNGA120412T02020 KY1615	B317
SNGA120412T02020 KY3500	B293
SNGA120412T02020 KYK25	B293
SNGA120416T02020 KY3500	B293
SNGA150612T02020 KY3500	B293
SNGA150612T02020 KYK25	B293
SNGA150616T02020 KY3500	B293
SNGA190612T02020 KY3500	B293
SNGN090308T02020 KY1615	B317
SNGN090308T02020 KY3500	B297
SNGN090408S01015WCB KBK45	B285
SNGN090408S01015WCC KBK45	B285
SNGN120408T00520 KY1615	B317
SNGN120408T01020 KYS30	B335
SNGN120408T02020 KBK45	B285
SNGN120408T02020 KY1615	B317
SNGN120408T02020 KY3500	B297
SNGN120408T02020 KYK25	B297
SNGN120412S02020 KBK45	B285
SNGN120412T01020 KYS30	B335
SNGN120412T02020 KY1615	B317
SNGN120412T02020 KY3500	B297
SNGN120412T02020 KYK25	B297
SNGN120416S02020 KBK45	B285
SNGN120416T01020 KYS25	B335
SNGN120416T01020 KYS30	B335
SNGN120416T02020 KY1615	B317
SNGN120416T02020 KY3500	B297
SNGN120432T02020 KY3500	B297
SNGN120704T02020 KY1615	B317
SNGN120708T02020 KY1615	B317
SNGN120712T02020 KY1615	B317
SNGN120712T02020 KYK25	B297
SNGN120716T01020 KYS30	B335
SNGN120716T02020 KY1615	B317
SNGN120716T02020 KY3500	B297
SNGN120720T02020 KY1615	B317
SNGN120720T10015 KY1615	B317
SNGN120720T20015 KY1615	B317
SNGN150716T02020 KY1615	B317
SNGN190416T02020 KY3500	B297
SNGN190616E KYS25	B335
SNGN190616T01020 KYS30	B335
SNGN190724E KYS30	B335
SNGP120404 KC5010	B96
SNGP120408 KC5010	B96
SNGX120408T02020 KBK45	B287
SNGX120412S02020 KBK45	B287
SNGX120416S02020 KB1340	B287
SNGX120416S02020 KBK45	B287
SNGX120712T01020 KYS30	B335
SNGX120712T02020 KY1615	B318
SNGX120712T02020 KY3500	B297
SNGX120712T02020 KYK10	B297
SNGX120712T02020 KYK25	B297
SNGX120716T01020 KYS30	B335
SNGX120716T02020 KY3500	B297
SNGX120716T02020 KYK10	B297
SNGX120716T02020 KYK25	B297
SNGX150716T02020 KY3500	B297
SNGX150724T02020 KY3500	B297
SNHJ10T308ENLD KC520M	S61
SNHJ10T308ENLD KC725M	S61
SNHJ10T308ENLD KCK15	S61
SNHJ10T308ENLD KCPK30	S61
SNHJ10T312ENLD KC725M	S61
SNHJ10T312ENLD KCK15	S61
SNHJ120608ENLD KC520M	S63
SNHJ120608ENLD KC725M	S63
SNHJ120608ENLD KCK15	S63
SNHJ120608ENLD KCPK30	S63
SNHJ120608SNGD KC520M	S63
SNHJ120608SNGD KC522M	S63
SNHJ120608SNGD KCK15	S63
SNHJ120608SNGD KCPK30	S63
SNHJ120608SNGD KCPM40	S63
SNHJ120608SNGD KCSM40	S63
SNHJ120616ENLD KC520M	S63
SNHJ120616ENLD KC725M	S63
SNHJ120616ENLD KCK15	S63
SNHJ120616ENLD KCPK30	S63
SNHX1102PZTNGP K110M	U15
SNHX1102PZTNGP KC725M	U15
SNHX1102PZTNGP KCPK30	U15
SNHX1102PZTNGP KCPM40	U15
SNHX1102T KC725M	U14
SNHX1102T KCPM40	U14
SNHX1103T KC725M	U14
SNHX1103T KCPK30	U14
SNHX1103T KCPM40	U14
SNHX11T3PZFNGE KC510M	U14
SNHX11T3PZTNGP KC725M	U15
SNHX11T3PZTNGP KCPM40	U15
SNHX1203PZFNGE KC510M	U14
SNHX1203PZTNGP K110M	U15
SNHX1203PZTNGP KC725M	U15
SNHX1203PZTNGP KCPK30	U15
SNHX1203PZTNGP KCPM40	U15
SNHX1203T KC725M	U14
SNHX1203T KCPM40	U14
SNHX12045T KC725M	U14
SNHX1204T KC725M	U14
SNHX1205T KC725M	U14
SNHX12L4PZTNGP KCPK30	U15
SNHX12L5PZFNGE K110M	U14
SNHX12L5PZFNGE KC510M	U14
SNHX12L5PZTNGP K110M	U15
SNHX12L5PZTNGP KC725M	U15
SNHX12L5PZTNGP KCPK30	U15
SNMA120408 K68	B96
SNMA120408 KCK15B	B96
SNMA120408 KCK20	B96
SNMA120408 KCK20B	B96
SNMA120412 KCK15	B96
SNMA120412 KCK15B	B96
SNMA120412 KCK20	B96
SNMA120412 KCK20B	B96
SNMA120412S02020 KB1340	B289
SNMA150612 KCK15B	B96
SNMA150612 KCK20	B96
SNMA190612 K68	B96
SNMA190612 KCK20	B96
SNMA190616 KCK20	B96
SNMG090304FF KC5010	B97
SNMG090304FF KCU10	B97
SNMG090308FF KC5010	B97
SNMG090308FF KCP10	B97
SNMG090308FF KCU10	B97
SNMG090308FF KT315	B97
SNMG090308FN KCK05	B97
SNMG090308FN KCK15B	B97
SNMG090308FN KCP10	B97
SNMG090308MN KCP10	B98
SNMG090308MN KCP10B	B98
SNMG090308MN KCP25	B98
SNMG090308MN KCP25B	B98
SNMG090308MN KCP30	B98
SNMG090312MN KCP10	B98
SNMG090312MN KCP25	B98
SNMG090412RN KCP10	B101
SNMG120404FN KCK05	B97
SNMG120404FN KCP05	B97
SNMG120404FN KCP10B	B97
SNMG120404FP KCM15	B97
SNMG120404FP KCU10	B97
SNMG120404MN KCP10B	B98
SNMG120404MN KCP25B	B98
SNMG120408 K313	B96
SNMG120408FF KC5010	B97
SNMG120408FN KCP10	B97
SNMG120408FN KCP10B	B97
SNMG120408FN KT315	B97
SNMG120408FP KCM15	B97
SNMG120408FP KCM25B	B97
SNMG120408FP KCU10	B97
SNMG120408FW KCP05	B98
SNMG120408FW KCP10	B98
SNMG120408MN KCP10	B98
SNMG120408MN KCP10B	B98
SNMG120408MN KCP25	B98
SNMG120408MN KCP25B	B98
SNMG120408MN KCP30	B98
SNMG120408MN KCP30B	B98
SNMG120408MN KCP40	B98
SNMG120408MN KCP40B	B98
SNMG120408MP KC5010	B98
SNMG120408MP KCM15	B98
SNMG120408MP KCM15B	B98
SNMG120408MP KCM25	B98
SNMG120408MP KCM25B	B98
SNMG120408MP KCM35B	B98
SNMG120408MP KCU10	B98
SNMG120408MR KCM25B	B99
SNMG120408MR KCP25B	B99
SNMG120408MR KCU10	B99
SNMG120408MS KC5010	B99
SNMG120408MS KC5025	B99
SNMG120408MS KCU10	B99
SNMG120408MS KCU25	B99
SNMG120408MW KCP25	B100
SNMG120408RN KCP10	B101
SNMG120408RN KCP25	B101
SNMG120408RN KCP25B	B101
SNMG120408RN KCP30B	B101
SNMG120408RN KCP40B	B101
SNMG120408RP KC5010	B101
SNMG120408RP KC5025	B101
SNMG120408RP KCK20	B101
SNMG120408RP KCK20B	B101
SNMG120408RP KCM25	B101
SNMG120408RP KCM35	B101
SNMG120408RP KCP05	B101
SNMG120408RP KCP10	B101
SNMG120408RP KCP25	B101
SNMG120408RP KCP25B	B101
SNMG120408RP KCU10	B101
SNMG120408RP KCU25	B101
SNMG120408UN KCK15	B102
SNMG120408UN KCK15B	B102
SNMG120408UN KCK20	B102
SNMG120408UN KCK20B	B102
SNMG120408UP KC5010	B102
SNMG120408UP KCM35	B102
SNMG120412 K68	B96
SNMG120412FN KCP10	B97
SNMG120412FN KCP25	B97
SNMG120412FW KCP10	B98
SNMG120412FW KT315	B98
SNMG120412MN KCP10	B98
SNMG120412MN KCP10B	B98
SNMG120412MN KCP25	B98
SNMG120412MN KCP25B	B98
SNMG120412MN KCP30	B98
SNMG120412MN KCP40	B98
SNMG120412MP KC5010	B98
SNMG120412MP KCM15	B98
SNMG120412MP KCM25	B98
SNMG120412MP KCM25B	B98
SNMG120412MP KCM35	B98
SNMG120412MP KCU10	B98
SNMG120412MP KCU25	B98
SNMG120412MR KCM25	B99
SNMG120412MR KCP10B	B99
SNMG120412MR KCP25B	B99
SNMG120412MR KCU10	B99
SNMG120412MS KC5010	B99
SNMG120412MS KCU10	B99
SNMG120412MS KCU25	B99
SNMG120412MW KCP10	B100
SNMG120412P KCU10	B100
SNMG120412RN KCP10	B101
SNMG120412RN KCP10B	B101
SNMG120412RN KCP25	B101
SNMG120412RN KCP25B	B101
SNMG120412RN KCP30B	B101
SNMG120412RN KCP40	B101
SNMG120412RN KCP40B	B101
SNMG120412RN KCPK05	B101

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
SNMG120412RP KC5010	B101
SNMG120412RP KC5025	B101
SNMG120412RP KCK05	B101
SNMG120412RP KCK15	B101
SNMG120412RP KCK15B	B101
SNMG120412RP KCK20	B101
SNMG120412RP KCM25	B101
SNMG120412RP KCM25B	B101
SNMG120412RP KCP05	B101
SNMG120412RP KCP10	B101
SNMG120412RP KCP10B	B101
SNMG120412RP KCP25	B101
SNMG120412RP KCP25B	B101
SNMG120412RP KCP30	B101
SNMG120412RP KCP40	B101
SNMG120412RP KCU10	B101
SNMG120412RP KCU25	B101
SNMG120412UN KCK05B	B102
SNMG120412UN KCK15B	B102
SNMG120412UN KCK20	B102
SNMG120412UN KCK20B	B102
SNMG120412UP KCM25	B102
SNMG120412UP KCM35	B102
SNMG120416FN KCP10	B97
SNMG120416MG KCP25B	B99
SNMG120416MN KCP25	B98
SNMG120416MN KCP25B	B98
SNMG120416MP KCM25B	B98
SNMG120416MP KCM35	B98
SNMG120416RN KCP10B	B101
SNMG120416RN KCP25	B101
SNMG120416RN KCP25B	B101
SNMG120416RN KCP40	B101
SNMG120416RN KCP40B	B101
SNMG120416RP KC5025	B101
SNMG120416RP KCP10	B101
SNMG120416RP KCU10	B101
SNMG120416UN KCK20	B102
SNMG120416UN KCK20B	B102
SNMG150608MP KCM25B	B98
SNMG150608MS KCU25	B99
SNMG150608RN KCP10	B101
SNMG150608RN KCP25	B101
SNMG150612MN KCP10B	B98
SNMG150612MN KCP25	B98
SNMG150612MN KCP25B	B98
SNMG150612MP KC5010	B98
SNMG150612MP KCM15	B98
SNMG150612MP KCM25	B98
SNMG150612MP KCM25B	B98
SNMG150612MP KCU10	B98
SNMG150612MR KCM15B	B99
SNMG150612MR KCPK05	B99
SNMG150612MS KCU25	B99
SNMG150612RN KCP10B	B101
SNMG150612RN KCP25	B101
SNMG150612RN KCP25B	B101
SNMG150612RN KCP40	B101
SNMG150612RN KCP40B	B101
SNMG150612RN KCPK05	B101
SNMG150612RP KCM35	B101
SNMG150612RP KCP10B	B101
SNMG150612RP KCP25	B101
SNMG150612RP KCP25B	B101
SNMG150612RP KCP40	B101
SNMG150612RP KCU10	B101
SNMG150612RP KCU25	B101
SNMG150612UN KCK15B	B102
SNMG150612UN KCK20	B102
SNMG150612UP KCM15	B102
SNMG150612UP KCM25	B102
SNMG150612UP KCU10	B102
SNMG150616MN KCP25B	B98
SNMG150616MP KCM25	B98
SNMG150616MP KCU10	B98
SNMG150616RN KCP25	B101
SNMG150616RN KCP25B	B101
SNMG150616RN KCP30B	B101
SNMG150616RN KCPK05	B101
SNMG150616RP KCM15B	B101
SNMG150616RP KCM25B	B101
SNMG150616RP KCP10B	B101
SNMG150616RP KCP25	B101
SNMG150616RP KCU25	B101
SNMG150616UN KCK15	B102
SNMG150616UN KCK20	B102
SNMG190608RN KCP25B	B101
SNMG190608RN KCP30	B101
SNMG190612 KCU10	B96
SNMG190612MN KCP10	B98
SNMG190612MN KCP25B	B98
SNMG190612MP KCM15	B98
SNMG190612MP KCM25	B98
SNMG190612MP KCM25B	B98
SNMG190612MP KCM35	B98
SNMG190612MS KC5025	B99
SNMG190612MS KCU25	B99
SNMG190612RN KCP10B	B101
SNMG190612RN KCP25	B101
SNMG190612RN KCP25B	B101
SNMG190612RN KCP30B	B101
SNMG190612RN KCP40	B101
SNMG190612RP KC5010	B101
SNMG190612RP KC5025	B101
SNMG190612RP KCM25B	B101
SNMG190612RP KCM35	B101
SNMG190612RP KCP10	B101
SNMG190612RP KCP25B	B101
SNMG190612RP KCP40B	B101
SNMG190612RP KCU10	B101
SNMG190612RP KCU25	B101
SNMG190612UN KCK15	B102
SNMG190612UN KCK20	B102
SNMG190616 KCP40	B96
SNMG190616MN KCP25	B98
SNMG190616MP KC5010	B98
SNMG190616RN KCP10	B101
SNMG190616RN KCP25	B101
SNMG190616RN KCP25B	B101
SNMG190616RN KCP30B	B101
SNMG190616RN KCP40B	B101
SNMG190616RN KCPK05	B101
SNMG190616RN KC5025	B101
SNMG190616RP KCK20	B101
SNMG190616RP KCM25	B101
SNMG190616RP KCM25B	B101
SNMG190616RP KCP10	B101
SNMG190616RP KCP40	B101
SNMG190616RP KCPK05	B101
SNMG190616RP KCU10	B101
SNMG190616RP KCU25	B101
SNMG190616UN KCK20	B102
SNMG190624RN KCP25	B101
SNMG190624RN KCP30	B101
SNMG250924 KCP25	B96
SNMG250924 KCP40	B96
SNMG250924 KCU10	B96
SNMG250924RM KC5010	B100
SNMG250924RM KCP25	B100
SNMG250924RM KCU10	B100
SNMG250924RN KCP40B	B101
SNMM120408RM KCP25	B103
SNMM120408RP KCM35	B103
SNMM120408RP KCP25	B103
SNMM120412RM KCP25	B103
SNMM120412RP KCM25	B103
SNMM120412RP KCP25	B103
SNMM150612RM KCP10	B103
SNMM150612RM KCP25	B103
SNMM150612RM KCP25B	B103
SNMM150612RP KCP25	B103
SNMM150616RM KCP10	B103
SNMM150616RM KCP25	B103
SNMM150616RM KCP25B	B103
SNMM150616RP KCM25	B103
SNMM150616RP KCP10	B103
SNMM190612RH KCP25B	B102
SNMM190612RH KCP30	B102
SNMM190612RM KCP10	B103
SNMM190612RM KCP25	B103
SNMM190612RM KCP25B	B103
SNMM190612RM KCP40	B103
SNMM190612RP KCP25	B103
SNMM190612RP KCP40	B103
SNMM190616RH KCP10	B102
SNMM190616RH KCP25	B102
SNMM190616RH KCP25B	B102
SNMM190616RH KCP30	B102
SNMM190616RH KCP40	B102
SNMM190616RM KCP10	B103
SNMM190616RM KCP25	B103
SNMM190616RM KCP25B	B103
SNMM190616RM KCP40B	B103
SNMM190616RP KCM25	B103
SNMM190616RP KCM25B	B103
SNMM190616RP KCP40	B103
SNMM190624RH KCP10	B102
SNMM190624RH KCP25	B102
SNMM190624RH KCP25B	B102
SNMM190624RH KCP30	B102
SNMM190624RH KCP40B	B102
SNMM190624RM KCP25	B103
SNMM190624RM KCP25B	B103
SNMM190624RM KCP40B	B103
SNMM190624RP KCM25	B103
SNMM190624RP KCP25	B103
SNMM190624RP KCP25B	B103
SNMM190624RW KCP25B	B103
SNMM250724RH KCP10	B102
SNMM250724RH KCP10B	B102
SNMM250724RH KCP25	B102
SNMM250724RH KCP25B	B102
SNMM250724RH KCP30	B102
SNMM250724RH KCP40	B102
SNMM250724RH KCP40B	B102
SNMM250724RM KCP10	B103
SNMM250724RM KCP25	B103
SNMM250724RP KCM25	B103
SNMM250724RP KCP25	B103
SNMM250724RP KCP40	B103
SNMM250724RW KCP25B	B103
SNMM250924RH KCP10	B102
SNMM250924RH KCP10B	B102
SNMM250924RH KCP25	B102
SNMM250924RH KCP25B	B102
SNMM250924RH KCP30	B102
SNMM250924RH KCP40	B102
SNMM250924RH KCP40B	B102
SNMM250924RM KCP25	B103
SNMM250924RM KCP30	B103
SNMM250924RM KCP40	B103
SNMM250924RP KCM25	B103
SNMM250924RP KCM25B	B103
SNMM250924RP KCP25	B103
SNMN090308S02020 KB1340	B286
SNMN090316S02020 KB1340	B286
SNMN120316S02020 KB1340	B286
SNMN120416T02020 KB1340	B286
SNMP120408K KCP25	B104
SNMP190612 K313	B104
SNMP190612 K68	B104
SNMS120408 K68	B104
SNMS190612 K68	B104
SNMS190612 KC5410	B104
SNMX120712T02020 KY3500	B298
SNMX120716T02020 KY3500	B298
SNMX150716T02020 KY3500	B298
SNMX190640S-WT5 KCP25B	E53
SNPF120412SNGP KCK15	S105
SNPJ10T308SNGD KC520M	S61
SNPJ10T308SNGD KCK15	S61
SNPJ10T308SNGD KCPK30	S61
SNPJ10T308SNGD KCPM40	S61
SNPJ10T312SNGD KCK15	S61
SNPJ10T312SNGD KCPM40	S61
SNPJ120608SNGD KC520M	S64
SNPJ120608SNGD KCK15	S64
SNPJ120608SNGD KCPM40	S64
SNPJ120616SNGD KCK15	S64
SNPJ120616SNGD KCPM40	S64
SNXF120412AMSN KY3500	S105
SNXF120412ENLD KC514M	S104
SNXF120412ENLD KC524M	S104
SNXF120412ENLD KCK15	S104
SNXF120412ENLD KCK20	S104
SNXF120412ENLD KCPK30	S104
SNXF120412SNGP KC514M	S104
SNXF120412SNGP KC524M	S104
SNXF120412SNGP KCK15	S104
SNXF120412SNGP KCK20	S104
SNXF120412SNGP KCPK30	S104
SNXF120412SNHE KC524M	S104
SNXF120412SNHE KCK15	S104
SNXF120412SNHE KCK20	S104
SNXF120412SNHE KCPK30	S104
SNXF1204ZNAMSN KY3500	S105
SNXF1204ZNENLD KC514M	S104
SNXF1204ZNENLD KC524M	S104
SNXF1204ZNENLD KCK15	S104
SNXF1204ZNENLD KCK20	S104
SNXF1204ZNENLD KCPK30	S104
SNXF1204ZNSNGP KC514M	S104
SNXF1204ZNSNGP KC524M	S104
SNXF1204ZNSNGP KCK15	S104
SNXF1204ZNSNGP KCK20	S104
SNXF1204ZNSNGP KCPK30	S104
SNXF1204ZNSNHE KC514M	S104
SNXF1204ZNSNHE KCK15	S104
SNXF1204ZNSNHE KCK20	S104
SNXF1204ZNSNHE KCPK30	S104
SPCT10T304PPELLD2 KC725M	T100, U36
SPCT10T304PPERLD2 KC725M	T100, U36
SPCT10T304PPFLLE KC410M	T99, U36
SPCT10T304PPFRLE KC410M	T99, U36
SPCT10T312PPELLD2 KC725M	T100, U36
SPCT10T312PPERLD2 KC725M	T100, U36
SPCT10T312PPFRLE KC410M	T99, U36
SPCT10T316ENLD2 KC725M	T100, U36
SPCT10T316ENLD2 KCSM30	T100, U36
SPCT10T320ENLD2 KC725M	T100, U36
SPCT10T320FNLE KC410M	T99, U36
SPCT10T3PPELLD2 KC725M	T100, U36
SPCT10T3PPERLD2 KC520M	T100, U36
SPCT10T3PPERLD2 KC725M	T100, U36
SPCT10T3PPERLD2 KCPM40	T100, U36
SPCT10T3PPFLLE KC410M	T99, U36
SPCT10T3PPFRLE KC410M	T99, U36
SPET10T304PPELGB2 KC725M	T100, U37
SPET10T304PPELGB2 KCK15	T100, U37
SPET10T304PPELGB2 KCPK30	T100, U37
SPET10T304PPERGB2 KC725M	T100, U37
SPET10T304PPERGB2 KCK15	T100, U37
SPET10T304PPERGB2 KCPK30	T100, U37
SPET10T3PPELGB2 KC520M	T100, U37
SPET10T3PPELGB2 KC725M	T100, U37
SPET10T3PPELGB2 KCK15	T100, U37
SPET10T3PPELGB2 KCPK30	T100, U37
SPET10T3PPERGB2 KC520M	T100, U37
SPET10T3PPERGB2 KC725M	T100, U37
SPET10T3PPERGB2 KCK15	T100, U37
SPET10T3PPERGB2 KCPK30	T100, U37
SPET10T3PPERGB2 KCPM40	T100, U37
SPET10T3PPSLGB2 KC725M	T100, U37
SPET10T3PPSLGB2 KCPK30	T100, U37
SPET10T3PPSRGB2 KC520M	T100, U37
SPET10T3PPSRGB2 KC725M	T100, U37
SPET10T3PPSRGB2 KCK15	T100, U37
SPET10T3PPSRGB2 KCPK30	T100, U37
SPGN090304 K68	B169
SPGN090304 KC5010	B169
SPGN090308 K68	B169
SPGN090308 KC5010	B169
SPGN090308 KCK15	B169
SPGN090308T01020 KY1615	B318
SPGN120304 K68	B169
SPGN120304 KC5010	B169
SPGN120304 KCU10	B169
SPGN120308 K313	B169
SPGN120308 K68	B169
SPGN120308 KC5010	B169
SPGN120308 KCU10	B169
SPGN120308T01020 KY1615	B318
SPGN120312 K68	B169
SPGN120316 KC5010	B169
SPGN120412 KCU10	B169
SPGN190408 K68	B169
SPGN190412 K313	B169
SPGN190412 KCU10	B169

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
SPGR090308K KC5010	B169
SPGR090308K KCU10	B169
SPGR120308K KCP25B	B169
SPGT09T304LF KC5010	B238
SPGT09T304LF KC5025	B238
SPGT09T304LF KCU10	B238
SPGT09T308LF KC5010	B238
SPGT09T308LF KC5025	B238
SPGT09T308LF KC5410	B238
SPGT09T308LF KCU10	B238
SPGX050204HP KC7140	J89
SPGX050204HP KCU25	J89
SPGX050204HP KCU40	J89
SPGX050204LP KCU40	J90
SPGX050204MD KC7140	J89
SPGX050204MD KCU25	J89
SPGX050204MD KCU40	J89
SPGX060304FP KCPK10	J90
SPGX060304FP KCU25	J90
SPGX060304FP KCU40	J90
SPGX060304LP KCU40	J90
SPGX060304MD KC7140	J89
SPGX060304MD KCPK10	J89
SPGX060304MD KCU25	J89
SPGX060304MD KCU40	J89
SPGX060304RHP KC7140	J89
SPGX060304RHP KCU25	J89
SPGX060304RHP KCU40	J89
SPGX070304FP KCPK10	J90
SPGX070304FP KCU25	J90
SPGX070304FP KCU40	J90
SPGX070304MD KC7140	J89
SPGX070304MD KCPK10	J89
SPGX070304MD KCU25	J89
SPGX070304MD KCU40	J89
SPGX070304RHP KC7140	J89
SPGX070304RHP KCU25	J89
SPGX070304RHP KCU40	J89
SPGX070308FP KCPK10	J90
SPGX070308FP KCU25	J90
SPGX070308FP KCU40	J90
SPGX070308HP KCPK10	J89
SPGX070308HP KCU25	J89
SPGX070308HP KCU40	J89
SPGX070308MD KCPK10	J89
SPGX070308MD KCU25	J89
SPGX070308MD KCU40	J89
SPHX060202R20 KC7215	J99
SPHX060202R21 KC7215	J100
SPHX060204R-21 KM1	J100
SPHX060204R-22 KM1	J101
SPHX060204R20 KC7140	J99
SPHX060204R20 KCU25	J99
SPHX060204R20 KCU40	J99
SPHX060204R21 KCPK10	J100
SPHX060204R21 KCU25	J100
SPHX060204R21 KCU40	J100
SPHX060206R20 KC7215	J99
SPHX060206R21 KC7215	J100
SPHX060208R20 KC7215	J99
SPHX060208R21 KC7215	J100
SPHX070302R20 KC7215	J99
SPHX070304R-21 KM1	J100
SPHX070304R-22 KM1	J101
SPHX070304R20 KC7140	J99
SPHX070304R20 KCU25	J99
SPHX070304R20 KCU40	J99
SPHX070304R21 KCPK10	J100
SPHX070304R21 KCU25	J100
SPHX070304R21 KCU40	J100
SPHX070306R20 KC7215	J99
SPHX070306R21 KC7215	J100
SPHX070308R20 KC7215	J99
SPHX070308R21 KCPK10	J100
SPHX070308R21 KCU40	J100
SPHX070310R20 KC7215	J99
SPHX070310R21 KC7215	J100
SPHX070312R20 KC7215	J99
SPHX090304R-21 KM1	J100
SPHX090304R-22 KM1	J101
SPHX090304R20 KC7140	J99
SPHX090304R20 KC7215	J99
SPHX090304R20 KCU25	J99
SPHX090304R20 KCU40	J99
SPHX090304R21 KCPK10	J100
SPHX090304R21 KCU25	J100
SPHX090304R21 KCU40	J100
SPHX090308R20 KCU25	J99
SPHX090308R20 KCU40	J99
SPHX090308R21 KCPK10	J100
SPHX090308R21 KCU25	J100
SPHX090308R21 KCU40	J100
SPHX090310R20 KC7215	J99
SPHX090310R21 KC7215	J100
SPHX090312R20 KC7215	J99
SPHX090312R21 KC7215	J100
SPHX090316R20 KC7215	J99
SPHX090316R21 KC7215	J100
SPHX120404R-21 KM1	J100
SPHX120404R-22 KM1	J101
SPHX120404R20 KC7140	J99
SPHX120404R20 KCU25	J99
SPHX120404R20 KCU40	J99
SPHX120404R21 KCPK10	J100
SPHX120404R21 KCU25	J100
SPHX120404R21 KCU40	J100
SPHX120408R20 KCU25	J99
SPHX120408R20 KCU40	J99
SPHX120408R21 KC7215	J100
SPHX120410R20 KC7215	J99
SPHX120410R21 KC7215	J100
SPHX120412R20 KC7215	J99
SPHX120412R21 KC7215	J100
SPHX120416R20 KC7215	J99
SPHX120416R21 KC7215	J100
SPHX120420R20 KC7215	J99
SPHX120420R21 KC7215	J100
SPHX1205PCELGPB KCK15	S77
SPHX1205PCER-GP1WB KC520M	S78
SPHX1205PCER-GP1WB KCK15	S78
SPHX1205PCERGN1WB KCPK30	S78
SPHX1205PCERGNT1WB KB1340	S78, S84
SPHX1205PCERGP4SB KC520M	S77
SPHX1205PCERGP4SB KCK15	S77
SPHX1205PCERGPB KC520M	S77
SPHX1205PCERGPB KCK15	S77
SPHX1205PCERGPB KCPK30	S77
SPHX1205PCFLGN1WB KCK15	S78
SPHX1205PCFRGN1WB KC520M	S78
SPHX1205PCFRGN1WB KC725M	S78
SPHX1205PCFRGN1WB KCK15	S78
SPHX1205PCFRGN1WB KTPK20	S78
SPHX1205PCFRGN1WBK KY3500	S78
SPHX1205PCSRGPB KC725M	S77
SPHX1205PCSRGPB KCK15	S77
SPHX1205PCSRGPB KCPK30	S77
SPHX1205PCTLGPBK KY3500	S77
SPHX1205PCTR-GP1WBK KY3500	S78
SPHX1205PCTRGP4SBK KY3500	S77
SPHX1205PCTRGPB KTPK20	S77
SPHX1205PCTRGPBK KY3500	S77
SPHX1205ZCELGP KC520M	S73
SPHX1205ZCELGP KCK15	S73
SPHX1205ZCER-GP1W KC520M	S74
SPHX1205ZCER-GP1W KCK15	S74
SPHX1205ZCERGNT1W KB1340	S74
SPHX1205ZCERGP KC520M	S73
SPHX1205ZCERGP KCK15	S73
SPHX1205ZCERGP KCPK30	S73
SPHX1205ZCERGP4S KCK15	S73
SPHX1205ZCFRGN1W KC520M	S74
SPHX1205ZCFRGN1W KCK15	S74
SPHX1205ZCFRGN1WK KY3500	S74
SPHX1205ZCSRGP KCK15	S73
SPHX1205ZCSRGP KCPK30	S73
SPHX1205ZCTLGPK KY3500	S73
SPHX1205ZCTR-GP1WK KY3500	S74
SPHX1205ZCTRGP KTPK20	S73
SPHX1205ZCTRGP4SK KY3500	S73
SPHX1205ZCTRGPK KY3500	S73
SPHX150504R-21 KM1	J100
SPHX150504R-22 KM1	J101
SPHX150504R20 KCU25	J99
SPHX150504R20 KCU40	J99
SPHX150508R20 KCU25	J99
SPHX150508R20 KCU40	J99
SPHX150512R20 KC7215	J99
SPHX150516R20 KC7215	J99
SPHX150520R20 KC7215	J99
SPHX15T6PCERGP KCK15	S83
SPHX15T6PCERGP KCPK30	S83
SPHX15T6PCERGP4S KCK15	S83
SPHX15T6PCFRGN1W KCK15	S84
SPHX15T6PCFRGN1WK KY3500	S84
SPHX15T6PCSRGP KCPK30	S83
SPHX15T6PCTRGPK KY3500	S83
SPHX15T6ZCERGP KCK15	S80
SPHX15T6ZCERGP KCPK30	S80
SPHX15T6ZCERGP4S KCK15	S80
SPHX15T6ZCFRGN1W KCK15	S81
SPHX15T6ZCSRGP K110M	S80
SPHX15T6ZCSRGP KCPK30	S80
SPHX15T6ZCTRGP4SK KY3500	S80
SPHX15T6ZCTRGPK KY3500	S80
SPMT09T304FP KCP25	B238
SPMT09T304FP KCU10	B238
SPMT09T304FP KCU25	B238
SPMT09T304LF KC5010	B238
SPMT09T304LF KC5025	B238
SPMT09T304LF KCK15B	B238
SPMT09T304LF KCK20	B238
SPMT09T304LF KCP10	B238
SPMT09T304LF KCP25	B238
SPMT09T304LF KT315	B238
SPMT09T304UF KC5010	B239
SPMT09T304UF KCP10B	B239
SPMT09T308FP KCU10	B238
SPMT09T308LF K68	B238
SPMT09T308LF KC5010	B238
SPMT09T308LF KC5025	B238
SPMT09T308LF KCK15	B238
SPMT09T308LF KCK15B	B238
SPMT09T308LF KCK20	B238
SPMT09T308LF KCK20B	B238
SPMT09T308LF KCP10B	B238
SPMT09T308LF KCP25	B238
SPMT09T308LF KCP25B	B238
SPMT09T308MF KCK15	B239
SPMT09T308MF KCK15B	B239
SPMT09T308MF KCK20	B239
SPMT09T308MF KCM25B	B239
SPMT09T308MF KCP10	B239
SPMT09T308MF KCP25	B239
SPMT09T308MF KCP25B	B239
SPMT09T308MP KCK20	B239
SPMT09T308MP KCM15	B239
SPMT09T308MP KCU10	B239
SPMT120408MF KCK15	B239
SPMT120408MF KCK20	B239
SPMT120408MF KCM25	B239
SPMT120408MF KCP25	B239
SPMT120408MF KCP30	B239
SPMT120408MP KCP25	B239
SPMT120408MP KCU10	B239
SPPT10T3PPERGB2 KCK15	T101, U37
SPPT10T3PPERGB2 KCPK30	T101, U37
SPPT10T3PPSRGB2 KCK15	T101, U37
SPPT10T3PPSRGB2 KCPK30	T101, U37
SPPT10T3PPSRGB2 KTPK20	T101, U37
SPPX070304LP KCU40	J90
SPPX09T308FP KCPK10	J90
SPPX09T308FP KCU25	J90
SPPX09T308FP KCU40	J90
SPPX09T308LP KCU40	J90
SPPX09T308MD KC7140	J89
SPPX09T308MD KCU25	J89
SPPX09T308MD KCU40	J89
SPPX09T308RHP KC7140	J89
SPPX09T308RHP KCU25	J89
SPPX09T308RHP KCU40	J89
SPPX09T310FP KCPK10	J90
SPPX09T310FP KCU25	J90
SPPX09T310FP KCU40	J90
SPPX09T310HP KCPK10	J89
SPPX09T310HP KCU25	J89
SPPX09T310HP KCU40	J89
SPPX09T310MD KCPK10	J89
SPPX09T310MD KCU25	J89
SPPX09T310MD KCU40	J89
SPPX120408FP KCPK10	J90
SPPX120408FP KCU25	J90
SPPX120408FP KCU40	J90
SPPX120408LP KCU40	J90
SPPX120408MD KC7140	J89
SPPX120408MD KCU25	J89
SPPX120408MD KCU40	J89
SPPX120408RHP KC7140	J89
SPPX120408RHP KCU25	J89
SPPX120408RHP KCU40	J89
SPPX120412FP KCPK10	J90
SPPX120412FP KCU25	J90
SPPX120412FP KCU40	J90
SPPX120412HP KCPK10	J89
SPPX120412HP KCU25	J89
SPPX120412HP KCU40	J89
SPPX120412MD KCPK10	J89
SPPX120412MD KCU25	J89
SPPX120412MD KCU40	J89
SPPX15T508FP KCPK10	J90
SPPX15T508FP KCU25	J90
SPPX15T508FP KCU40	J90
SPPX15T508MD KC7140	J89
SPPX15T508MD KCU25	J89
SPPX15T508MD KCU40	J89
SPPX15T508RHP KC7140	J89
SPPX15T508RHP KCU25	J89
SPPX15T508RHP KCU40	J89
SPPX15T512FP KCPK10	J90
SPPX15T512FP KCU25	J90
SPPX15T512FP KCU40	J90
SPPX15T512HP KCPK10	J89
SPPX15T512HP KCU25	J89
SPPX15T512HP KCU40	J89
SPPX15T512MD KCPK10	J89
SPPX15T512MD KCU25	J89
SPPX15T512MD KCU40	J89
SPUN120304 K68	B169
SPUN120304 KCP25B	B169
SPUN120308 K68	B169
SPUN120308 KCP25B	B169
SPUN120308T00520 KY1615	B318
SPUN120312 KCP25B	B169
SRACR1212N08	B227
SRACR1616Q08	B227
SRDCN1212N06	B227
SRDCN1212N08	B227
SRDCN1616H06	B227
SRDCN1616H08	B227
SRDCN1616H10	B227
SRDCN1616Q08	B227
SRDCN2020K08	B227
SRDCN2020K10	B227
SRDCN2020K12	B227
SRDCN2525M08	B227
SRDCN2525M10	B227
SRDCN2525M12	B227
SRDCN2525M16	B227
SRGCL1616H06	B228
SRGCL1616H10	B228
SRGCL2020K08	B228
SRGCL2525M08	B228
SRGCL2525M10	B228
SRGCL2525M12	B228
SRGCR08CA06	B229
SRGCR12CA10	B229
SRGCR1616H06	B228
SRGCR1616H10	B228
SRGCR2020K08	B228
SRGCR2020K10	B228
SRGCR2525M08	B228
SRGCR2525M10	B228
SRGCR2525M12	B228
SRS3	B179–181, B209–211, B227–228, B233–234, B247–248, B257, B266–268, B271, S41, T102
SRS4	B180, B182, B209–211, B213, B233–234
SRS5	B227
SS10DL10100M	057

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
SS10SLDL10055M	056
SS12DL10120M	057
SS12DL12120M	057
SS12SLDL10065M	056
SS12SLDL12065M	056
SS16DL10160M	057
SS16DL12160M	057
SS16DL16160M	057
SS16KST115AR3M	K38
SS16KST115AR5M	K38
SS16SLDL10090M	056
SS16SLDL12080M	056
SS16SLDL16070M	056
SS20DL10200M	057
SS20DL12200M	057
SS20DL16200M	057
SS20DL20200M	057
SS20FBHS24	K135
SS20KST135AR3M	K38
SS20KST135AR5M	K38
SS20KST155AR3M	K38
SS20KST155AR5M	K38
SS20KST175AR3M	K38
SS20KST175AR5M	K38
SS20KST175RR3M	K39
SS20KST175RR5M	K39
SS20KST200AR3M	K38
SS20KST200AR5M	K38
SS20KST200RR3M	K39
SS20KST200RR5M	K39
SS20RBHT24	K120
SS20SLDL10115M	056
SS20SLDL12105M	056
SS20SLDL16080M	056
SS20SLDL20080M	056
SS25DL16250M	057
SS25DL20250M	057
SS25DL25250M	057
SS25FBHS31	K135
SS25KST250AR3M	K38
SS25KST250AR5M	K38
SS25KST250RR3M	K39
SS25KST250RR5M	K39
SS25RBHT30	K120
SS25SLDL16115M	056
SS25SLDL20095M	056
SS25SLDL25090M	056
SS32DL25250M	057
SS32DL32250M	057
SS32KST300AR3M	K38
SS32KST300AR5M	K38
SS32KST300RR3M	K39
SS32KST300RR5M	K39
SS32KST350AR3M	K38
SS32KST350AR5M	K38
SS32KST350RR3M	K39
SS32KST350RR5M	K39
SS32SLDL25105M	056
SS32SLDL32105M	056
SS40DL32250M	057
SS40SLDL32140M	056
SS50DL32250M	057
SS50SLDL32200M	056
SSA3T	D78–79, D81–86
SSA4T	D78–79, D81–86
SSA5T	D82, D84–85
SSBCL1616H09	B233
SSBCR1212N09	B233
SSBCR2525M12	B233
SSDCN1212N09	B233
SSDCN1616H09	B233
SSDCN2020K09	B233
SSKCL12CA12	B235
SSKCL2020K12	B234
SSKCR12CA12	B235
SSKCR1616H09	B234
SSKCR16CA12	B235
SSKPR10CA09	B240
SSN2T	D81, D86
SSP025016M	B58–60, B66, B85, B89–90, B105–107, B132, B137, B149–150, B152, B161, B163
SSP025018M	B66, B105–106
SSP8	S126
SSRCL12CA12	B236
SSRCR12CA12	B236
SSRPR10CA09	B241
SSSCL1212N09	B234
SSSCL12CA12	B237
SSSCL1616H09	B234
SSSCL1616H12	B234
SSSCL2020K12	B234
SSSCL2525M12	B234
SSSCR1212N09	B234
SSSCR12CA12	B237
SSSCR1616H09	B234
SSSCR1616H12	B234
SSSCR2020K12	B234
SSSCR2525M12	B234
SSSPL10CA09	B242
SSSPR10CA09	B242
SSY3T	D78–79, D81–86
SSY4T	D78–79, D81–86
SSY5T K9	D82, D84–85
STCM11	B67, B90, B134, B164, U27–35, U40–49
STCM20	B61–63, B67–68, B72, B86, B90–91, B95, B108–110, B114, B133–134, B137, B151–153, B164
STCM25	V146–147
STCM26	B153
STCM32	U27–28, U30
STCM37	B139–141
STCM38	B70–72, B92, B115–119, B139–141, B375–378
STCM4	B61–63, B67–68, B91, B108–110, B114, B133–134, B151–152, B170, B172–173, B353–355
STCM40	B72, B92, B115–117, B119
STCM5	B62, B67, B86, B90, B151, B162, B164, B172, B354
STCM8	B72, B115, B119, B170, B173–174, B353–355, B371, B378
STCM9	B70–72, B92–93, B109, B115–117, B119, B139–141, B172–174, B355, B371
STFCL2020K16	B247
STFCL2525M16	B247
STFCR1616H11	B247
STFCR1616H16	B247
STFCR2020K16	B247
STFCR2525M16	B247
STFPL08CA09	B260
STFPL10CA11	B260
STFPL12CA16	B260
STFPR08CA09	B260
STFPR10CA11	B260
STFPR12CA16	B260
STGCL1212N11	B247
STGCL1616H11	B247
STGCL1616H16	B247
STGCL2020K16	B247
STGCL2525M16	B247
STGCR1212N11	B247
STGCR1616H11	B247
STGCR1616H16	B247
STGCR2020K16	B247
STGCR2525M16	B247
STGPL08CA09	B261
STGPL10CA11	B261
STGPR10CA11	B261
STGPR12CA16	B261
STJCLF1212M11Q	B248
STJCRF1212M11Q	B248
STN10075ISOI KC635M	W45
STN10100ISOI KC620M	W45
STN10100ISOI KC635M	W45
STN10125ISOI KC635M	W45
STN10150ISOI KC635M	W45
STN1018UNI KC635M	W44
STN1020UNI KC635M	W44
STN11100ISOI KC635M	W45
STN1114UNI KC635M	W44
STN11150ISOI KC635M	W45
STN1116UNI KC635M	W44
STN1118NPT KC635M	W46
STN1118NPTF KC635M	W46
STN1118UNE KC635M	W44
STN1118UNI KC635M	W44
STN1119BSW KC635M	W46
STN1120UNI KC635M	W44
STN1124UNI KC635M	W44
STN16100ISOI KC635M	W45
STN16115NPS KC635M	W46
STN16115NPT KC635M	W46
STN16115NPTF KC635M	W46
STN1611BSW KC610M	W46
STN1611BSW KC635M	W46
STN1612BSW KC635M	W46
STN1612UNI KC635M	W44
STN1614BSW KC610M	W46
STN1614BSW KC635M	W46
STN1614NPS KC635M	W46
STN1614NPT KC635M	W46
STN1614NPTF KC635M	W46
STN1614UNE KC635M	W44
STN1614UNI KC635M	W44
STN16150ISOE KC610M	W45
STN16150ISOE KC620M	W45
STN16150ISOI KC635M	W45
STN1616UNE KC635M	W44
STN1616UNI KC610M	W44
STN16175ISOI KC635M	W45
STN16200ISOI KC635M	W45
STN1620UNE KC635M	W44
STN1624UNE KC635M	W44
STN1624UNI KC635M	W44
STN1627UNI KC635M	W44
STN1632UNI KC635M	W44
STN22300ISOIC KC610M	W45
STN2711BSW KC635M	W46
STN27200ISOE KC610M	W45
STN27350ISOIC KC610M	W45
STTPR08CA09	B262
STTPR10CA11	B262
STTPR12CA16	B262
STWPR10CA11	B263
STWPR12CA16	B263
SU3	E59
SUWTCL	E58
SUWTCR	E58
SVABL1212M11Q	B266
SVABL1616K16Q	B266
SVABR1010M11Q	B266
SVABR1212M11Q	B266
SVABR1616K16Q	B266
SVHBL1212N11	B266
SVHBL1616H11	B266
SVHBL2020K11	B266
SVHBL2020K16	B266
SVHBL2525M16	B266
SVHBR1212N11	B266
SVHBR1616H11	B266
SVHBR2020K11	B266
SVHBR2020K16	B266
SVHBR2525M16	B266
SVJBL1212N11	B267
SVJBL1616H11	B267
SVJBL1616H16	B267
SVJBL2020K11	B267
SVJBL2020K16	B267
SVJBL2525M16	B267
SVJBL3225P16	B267
SVJBLF1010M11Q	B267
SVJBLF1212M11Q	B267
SVJBLF1616K16Q	B267
SVJBR1212N11	B267
SVJBR1616H11	B267
SVJBR1616H16	B267
SVJBR2020K11	B267
SVJBR2020K16	B267
SVJBR2525M16	B267
SVJBR3225P16	B267
SVJBRF1010M11Q	B267
SVJBRF1212M11Q	B267
SVJBRF1616K16Q	B267
SVVBN1212N11	B268
SVVBN1616H11	B268
SVVBN1616H16	B268
SVVBN2020K11	B268
SVVBN2020K16	B268
SVVBN2525M16	B268
SVVBN3225P16	B268
SWLCR2020K06	B271
SWSM515	S126
SYB115RBHT16LF	K121
SYB24RBHT06F	K121
SYB30RBHT06F	K121
SYB40RBHT09F	K121
SYB50RBHT09F	K121
SYB66RBHT12F	K121
SYB66RBHT12LF	K121
SYB87RBHT12F	K121
SYB87RBHT16LF	K121
T15 S	T115, V9–12, V18–19, V21, V93–94, V101–104
T20 S	T118, V101–102, V104
T320M060X100R6HX KC7542	M4
T320M080X125R6HX KC7542	M4
T320M100X150R6HX KC7542	M4
T320M120X175R6HX KC7542	M4
T320M160X200R6HX KC7542	M4
T320MF140X150R6HX KC7542	M4
T320NC03750-16R3BX KC7542	M4
T320NC04375-14R3BX KC7542	M4
T320NC05000-13R3BX KC7542	M4
T321M100X150R6HX KC7542	M5
T321M120X175R6HX KC7542	M5
T321M140X200R6HX KC7542	M5
T321M160X200R6HX KC7542	M5
T321MF120X150R6HX KC7542	M5
T321MF140X150R6HX KC7542	M5
T331M060X100R6HX KC7542	M23
T331M080X125R6HX KC7542	M23
T331M100X150R6HX KC7542	M23
T331M120X175R6HX KC7542	M23
T331M140X200R6HX KC7542	M23
T331M160X200R6HX KC7542	M23
T331MF120X150R6HX KC7542	M23
T331MF140X150R6HX KC7542	M23
T331NC2500-20R3BX KC7542	M22
T331NC3125-18R3BX KC7542	M22
T331NC3750-16R3BX KC7542	M22
T331NC4375-14R3BX KC7542	M22
T331NC5000-13R3BX KC7542	M22
T331NF2500-28R3BX KC7542	M22
T340M040X070R6HX KCK17	M55
T340M050X080R6HX KCK17	M55
T340M060X100R6HX KCK17	M55
T340M080X125R6HX KCK17	M55
T340M100X150R6HX KCK17	M55
T340M120X175R6HX KCK17	M55
T340M140X200R6HX KCK17	M55
T340M160X200R6HX KCK17	M55
T340M200X250R6HX KCK17	M55
T340MF100X100R6HX KCK17	M55
T340MF120X150R6HX KCK17	M55
T340MF140X150R6HX KCK17	M55
T340NC#10-24R3BX KCK17	M54
T340NC#6-32R3BX KCK17	M54
T340NC#8-32R3BX KCK17	M54
T340NC02500-20R3BX KCK17	M54
T340NC03125-18R3BX KCK17	M54
T340NC03750-16R3BX KCK17	M54
T340NC05000-13R3BX KCK17	M54
T340NF#10-32R3BX KCK17	M54
T340NF03750-24R3BX KCK17	M54
T340NF05000-20R3BX KCK17	M54
T340NF05625-18R3BX KCK17	M54
T351M040X070R6HX KCK17	M57
T351M050X080R6HX KCK17	M57
T351M060X100R6HX KCK17	M57
T351M060X100R6HX-D1 KCK17	M58
T351M070X100R6HX-D1 KCK17	M58
T351M080X125R6HX KCK17	M57
T351M080X125R6HX-D1 KCK17	M58
T351M090X125R6HX-D1 KCK17	M58

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
T351M100X150R6HX KCK17	M57
T351M100X150R6HX-D1 KCK17	M58
T351M120X175R6HX KCK17	M57
T351M120X175R6HX-D6 KCK17	M58
T351M140X2006RHX-D6 KCK17	M58
T351M140X200R6HX KCK17	M57
T351M160X200R6HX KCK17	M57
T351MF100X100R6HX KCK17	M57
T351MF100X100R6HX-D4 KCK17	M58
T351MF100X125R6HX-D4 KCK17	M58
T351MF120X125R6HX-D4 KCK17	M58
T351MF120X150R6HX KCK17	M57
T351MF120X150R6HX-D4 KCK17	M58
T351MF140X125R6HX-D4 KCK17	M58
T351MF140X150R6HX KCK17	M57
T351MF140X150R6HX-D4 KCK17	M58
T351NC#6-32R3BX KCK17	M56
T351NC#8-32R3BX KCK17	M56
T351NC02500-20R3BX KCK17	M56
T351NC03125-18R3BX KCK17	M56
T351NC03750-16R3BX KCK17	M56
T351NC04375-14R3BX KCK17	M56
T351NC05000-13R3BX KCK17	M56
T351NC06250-11R3BX KCK17	M56
T351NC07500-10R3BX KCK17	M56
T351NF#10-32R3BX KCK17	M56
T353M040X070R6HX-D1 KCK17	M59
T353M050X080R6HX-D1 KCK17	M59
T353M060X100R6HX-D1 KCK17	M59
T353M080X125R6HX-D1 KCK17	M59
T353M100X150R6HX-D1 KCK17	M59
T353M120X175R6HX-D6 KCK17	M59
T353M140X200R6HX-D6 KCK17	M59
T410M030X050R6HX-D1 KCU36	M62
T410M040X070R6HX-D1 KCU36	M62
T410M050X080R6HX-D1 KCU36	M62
T410M060X100R6HX-D1 KCU36	M62
T410M080X125R6HX-D1 KCU36	M62
T410M100X150R6HX-D1 KCU36	M62
T410M120X175R6HX-D6 KCU36	M62
T410M140X200R6HX-D6 KCU36	M62
T410MF080X100R6HX-D4 KCU36	M62
T410MF100X100R6HX-D4 KCU36	M62
T410MF120X150R6HX-D4 KCU36	M62
T410MF140X150R6HX-D4 KCU36	M62
T410MF160X150R6HX-D4 KCU36	M62
T471M060X100R6HX KCN14	M60
T471M060X100R6HX-D1 KCN14	M61
T471M080X125R6HX KCN14	M60
T471M080X125R6HX-D1 KCN14	M61
T471M100X150R6HX KCN14	M60
T471M100X150R6HX-D1 KCN14	M61
T471M120X175R6HX KCN14	M60
T471M140X200R6HX KCN14	M60
T491M050X080R6HX KCN14	M72
T491M060X100R6HX KCN14	M72
T491M060X100R6HX-D74 KCN14	M73
T491M080X125R6HX KCN14	M72
T491M080X125R6HX-D74 KCN14	M73
T491M100X150R6HX KCN14	M72
T491M100X150R6HX-D74 KCN14	M73
T491M120X175R6HX KCN14	M72
T600M030X050R6HX-D1 KSP21	M13
T600M040X070R6HX-D1 KSP21	M13
T600M050X080R6HX-D1 KSP21	M13
T600M060X100R6HX-D1 KSP21	M13
T600M080X125R6HX-D1 KSP21	M13
T600M100X150R6HX-D1 KSP21	M13
T600M120X175R6HX-D6 KSP21	M13
T600M140X200R6HX-D6 KSP21	M13
T600M160X200R6HX-D6 KSP21	M13
T600M180X250R6HX-D6 KSP21	M13
T600M200X250R6HX-D6 KSP21	M13
T600MF080X100R6HX-D4 KSP21	M13
T600MF100X100R6HX-D4 KSP21	M13
T600MF100X125R6HX-D4 KSP21	M13
T600MF120X125R6HX-D4 KSP21	M13
T600MF120X150R6HX-D4 KSP21	M13
T600MF140X150R6HX-D4 KSP21	M13
T600MF160X150R6HX-D4 KSP21	M13
T604M030X050R6H-D1 KSH26	M39
T604M040X070R6H-D1 KSH26	M39
T604M050X080R6H-D1 KSH26	M39
T604M060X100R6H-D1 KSH26	M39
T604M080X125R6H-D1 KSH26	M39
T604M100X150R6H-D1 KSH26	M39
T604M120X175R6H-D6 KSH26	M39
T604M140X200R6H-D6 KSH26	M39
T604M160X200R6H-D6 KSH26	M39
T604M180X250R6H-D6 KSH26	M39
T604M200X250R6H-D6 KSH26	M39
T604MF080X100R6H-D4 KSH26	M39
T604MF100X100R6H-D4 KSH26	M39
T604MF100X125R6H-D4 KSH26	M39
T604MF120X125R6H-D4 KSH26	M39
T604MF120X150R6H-D4 KSH26	M39
T604MF140X150R6H-D4 KSH26	M39
T604MF160X150R6H-D4 KSH26	M39
T620M030X050R6HX-D1 KM6515	M6
T620M030X050R6HX-D1 KP6525	M6
T620M040X070R6HX-D1 KM6515	M6
T620M040X070R6HX-D1 KP6525	M6
T620M050X080R6HX-D1 KM6515	M6
T620M050X080R6HX-D1 KP6525	M6
T620M060X100R6HX-D1 KM6515	M6
T620M060X100R6HX-D1 KP6525	M6
T620M080X125R6HX-D1 KM6515	M6
T620M080X125R6HX-D1 KP6525	M6
T620M100X150R6HX-D1 KM6515	M6
T620M100X150R6HX-D1 KP6525	M6
T620M120X175R6HX-D6 KM6515	M6
T620M120X175R6HX-D6 KP6525	M6
T620M140X200R6HX-D6 KM6515	M6
T620M140X200R6HX-D6 KP6525	M6
T620M160X200R6HX-D6 KM6515	M6
T620M160X200R6HX-D6 KP6525	M6
T620M200X250R6HX-D6 KM6515	M6
T620M200X250R6HX-D6 KP6525	M6
T620M240X300R6H-XL KP6525	M9
T620M240X300R6HX-D6 KP6525	M8
T620M300X350R6H-XL KP6525	M9
T620M300X350R6HX-D6 KP6525	M8
T620M330X350R6H-XL KP6525	M9
T620M330X350R6HX-D6 KP6525	M8
T620M360X400R6H-XL KP6525	M9
T620M360X400R6HX-D6 KP6525	M8
T620M420X450R6H-XL KP6525	M9
T620M420X450R6HX-D6 KP6525	M8
T620MF080X100R6HX-D4 KM6515	M6
T620MF080X100R6HX-D4 KP6525	M6
T620MF100X100R6HX-D4 KM6515	M6
T620MF100X100R6HX-D4 KP6525	M6
T620MF100X125R6HX-D4 KP6525	M6
T620MF120X150R6HX-D4 KM6515	M6
T620MF120X150R6HX-D4 KP6525	M6
T620MF140X150R6HX-D4 KM6515	M6
T620MF140X150R6HX-D4 KP6525	M6
T620MF160X150R6HX-D4 KM6515	M6
T620MF160X150R6HX-D4 KP6525	M6
T620MF180X150R6HX-D4 KM6515	M6
T620MF180X150R6HX-D4 KP6525	M6
T620NC#06-32R2BX-D1 KP6525	M10
T620NC#08-32R2BX-D1 KP6525	M10
T620NC#10-24R2BX-D1 KP6525	M10
T620NC02500-20R3BX-D1 KP6525	M10
T620NC03125-18R3BX-D1 KP6525	M10
T620NC03750-16R3BX-D1 KP6525	M10
T620NC04375-14R3BX-D6 KP6525	M10
T620NC05000-13R3BX-D6 KP6525	M10
T620NF#06-40R2BX-D1 KP6525	M10
T620NF#10-32R2BX-D1 KP6525	M10
T620NF02500-28R3BX-D1 KP6525	M10
T620NF03125-24R3BX-D1 KP6525	M10
T620NF03750-24R3BX-D1 KP6525	M10
T620NF04375-20R3BX-D6 KP6525	M10
T620NF05000-20R3BX-D6 KP6525	M10
T621M050X080R6HX-D1 KM6515	M7
T621M050X080R6HX-D1 KP6525	M7
T621M060X100R6HX-D1 KM6515	M7
T621M060X100R6HX-D1 KP6525	M7
T621M080X125R6HX-D1 KM6515	M7
T621M080X125R6HX-D1 KP6525	M7
T621M100X150R6HX-D1 KM6515	M7
T621M100X150R6HX-D1 KP6525	M7
T621M120X175R6HX-D6 KM6515	M7
T621M120X175R6HX-D6 KP6525	M7
T621M140X200R6HX-D6 KM6515	M7
T621M140X200R6HX-D6 KP6525	M7
T621M160X200R6HX-D6 KM6515	M7
T621M160X200R6HX-D6 KP6525	M7
T621M180X250R6HX-D6 KM6515	M7
T621M180X250R6HX-D6 KP6525	M7
T621MF080X100R6HX-D4 KM6515	M7
T621MF080X100R6HX-D4 KP6525	M7
T621MF100X100R6HX-D4 KM6515	M7
T621MF100X100R6HX-D4 KP6525	M7
T621MF100X125R6HX-D4 KM6515	M7
T621MF100X125R6HX-D4 KP6525	M7
T621MF120X125R6HX-D4 KP6525	M7
T621MF120X150R6HX-D4 KM6515	M7
T621MF120X150R6HX-D4 KP6525	M7
T621MF140X125R6HX-D4 KP6525	M7
T621MF140X150R6HX-D4 KM6515	M7
T621MF140X150R6HX-D4 KP6525	M7
T621MF160X150R6HX-D4 KM6515	M7
T621MF160X150R6HX-D4 KP6525	M7
T621MF180X150R6HX-D4 KM6515	M7
T621MF180X150R6HX-D4 KP6525	M7
T621NC02500-20R3BX-D1 KP6525	M11
T621NC03125-18R3BX-D1 KP6525	M11
T621NC03750-16R3BX-D1 KP6525	M11
T621NC04375-14R3BX-D6 KP6525	M11
T621NC05000-13R3BX-D6 KP6525	M11
T621NF02500-28R3BX-D1 KP6525	M11
T621NF03125-24R3BX-D1 KP6525	M11
T621NF03750-24R3BX-D1 KP6525	M11
T621NF04375-20R3BX-D6 KP6525	M11
T621NF05000-20R3BX-D6 KP6525	M11
T622M030X050R6HX-D74 KSN28	M74
T622M030X050R6HX-D74 KSP21	M74
T622M040X070R6HX-D74 KSN28	M74
T622M040X070R6HX-D74 KSP21	M74
T622M050X080R6HX-D74 KSN28	M74
T622M050X080R6HX-D74 KSP21	M74
T622M060X100R6HX-D74 KSN28	M74
T622M060X100R6HX-D74 KSP21	M74
T622M080X125R6HX-D74 KSN28	M74
T622M080X125R6HX-D74 KSP21	M74
T622M100X150R6HX-D74 KSN28	M74
T622M100X150R6HX-D74 KSP21	M74
T622M120X175R6HX-D74 KSN28	M74
T622M120X175R6HX-D74 KSP21	M74
T622M160X200R6HX-D74 KSN28	M74
T622M160X200R6HX-D74 KSP21	M74
T622MF080X100R6HX-D74 KSN28	M74
T622MF080X100R6HX-D74 KSP21	M74
T622MF100X100R6HX-D74 KSN28	M74
T622MF100X100R6HX-D74 KSP21	M74
T622MF100X125R6HX-D74 KSN28	M74
T622MF100X125R6HX-D74 KSP21	M74
T622MF120X125R6HX-D74 KSN28	M74
T622MF120X125R6HX-D74 KSP21	M74
T622MF120X150R6HX-D74 KSN28	M74
T622MF120X150R6HX-D74 KSP21	M74
T622MF140X150R6HX-D74 KSN28	M74
T622MF140X150R6HX-D74 KSP21	M74
T622MF160X150R6HX-D74 KSN28	M74
T622MF160X150R6HX-D74 KSP21	M74
T623M050X080R6HX-D74 KSN28	M75
T623M050X080R6HX-D74 KSP21	M75
T623M060X100R6HX-D74 KSN28	M75
T623M060X100R6HX-D74 KSP21	M75
T623M080X125R6HX-D74 KSN28	M75
T623M080X125R6HX-D74 KSP21	M75
T623M100X150R6HX-D74 KSN28	M75
T623M100X150R6HX-D74 KSP21	M75
T623M120X175R6HX-D74 KSN28	M75
T623M120X175R6HX-D74 KSP21	M75
T623M160X200R6HX-D74 KSN28	M75
T623M160X200R6HX-D74 KSP21	M75
T623MF080X100R6HX-D74 KSN28	M75
T623MF080X100R6HX-D74 KSP21	M75
T623MF100X100R6HX-D74 KSN28	M75
T623MF100X100R6HX-D74 KSP21	M75
T623MF120X150R6HX-D74 KSN28	M75
T623MF120X150R6HX-D74 KSP21	M75
T623MF140X150R6HX-D74 KSN28	M75
T623MF140X150R6HX-D74 KSP21	M75
T623MF160X150R6HX-D74 KSN28	M75
T623MF160X150R6HX-D74 KSP21	M75
T630M030X050R6HX-D1 KM6515	M24
T630M030X050R6HX-D1 KP6525	M24
T630M040X070R6HX-D1 KM6515	M24
T630M040X070R6HX-D1 KP6525	M24
T630M050X080R6HX-D1 KM6515	M24
T630M050X080R6HX-D1 KP6525	M24
T630M060X100R6HX-D1 KM6515	M24
T630M060X100R6HX-D1 KP6525	M24
T630M080X125R6HX-D1 KM6515	M24
T630M080X125R6HX-D1 KP6525	M24
T630M100X150R6HX-D1 KM6515	M24
T630M100X150R6HX-D1 KP6525	M24
T630M120X175R6HX-D6 KM6515	M24
T630M120X175R6HX-D6 KP6525	M24
T630M140X200R6HX-D6 KM6515	M24
T630M140X200R6HX-D6 KP6525	M24
T630M160X200R6HX-D6 KM6515	M24
T630M160X200R6HX-D6 KP6525	M24
T630M180X250R6HX-D6 KM6515	M24
T630M180X250R6HX-D6 KP6525	M24
T630M240X300R6HX-D6 KP6525	M28
T630M240X300R6HX-XL KP6525	M30
T630M300X350R6HX-D6 KP6525	M28
T630M300X350R6HX-XL KP6525	M30
T630M330X350R6HX-D6 KP6525	M28
T630M330X350R6HX-XL KP6525	M30
T630M360X400R6HX-D6 KP6525	M28
T630M360X400R6HX-XL KP6525	M30
T630M420X450R6HX-D6 KP6525	M28
T630M420X450R6HX-XL KP6525	M30
T630MF080X100R6HX-D4 KM6515	M24
T630MF080X100R6HX-D4 KP6525	M24
T630MF100X100R6HX-D4 KM6515	M24
T630MF100X100R6HX-D4 KP6525	M24
T630MF100X125R6HX-D4 KM6515	M24
T630MF100X125R6HX-D4 KP6525	M24
T630MF120X150R6HX-D4 KM6515	M24
T630MF120X150R6HX-D4 KP6525	M24
T630MF140X150R6HX-D4 KM6515	M24
T630MF140X150R6HX-D4 KP6525	M24
T630MF160X150R6HX-D4 KM6515	M24
T630MF160X150R6HX-D4 KP6525	M24
T630MF180X150R6HX-D4 KM6515	M24
T630MF180X150R6HX-D4 KP6525	M24
T630NC#06-32R2BX-D1 KP6525	M36
T630NC#08-32R2BX-D1 KP6525	M36
T630NC#10-24R2BX-D1 KP6525	M36
T630NC02500-20R3BX-D1 KP6525	M36
T630NC03125-18R3BX-D1 KP6525	M36
T630NC03750-16R3BX-D1 KP6525	M36
T630NC04375-14R3BX-D6 KP6525	M36
T630NC05000-13R3BX-D6 KP6525	M36
T630NF#06-40R2BX-D1 KP6525	M36
T630NF#10-32R2BX-D1 KP6525	M36
T630NF02500-28R3BX-D1 KP6525	M36
T630NF03125-24R3BX-D1 KP6525	M36
T630NF03750-24R3BX-D1 KP6525	M36
T630NF04375-20R3BX-D6 KP6525	M36
T630NF05000-20R3BX-D6 KP6525	M36
T631M050X080R6HX-D1 KM6515	M25
T631M050X080R6HX-D1 KP6525	M25
T631M060X100R6HX-D1 KM6515	M25
T631M060X100R6HX-D1 KP6525	M25
T631M080X125R6HX-D1 KM6515	M25
T631M080X125R6HX-D1 KP6525	M25
T631M100X150R6HX-D1 KM6515	M25
T631M100X150R6HX-D1 KP6525	M25
T631M120X175R6HX-D6 KM6515	M25
T631M120X175R6HX-D6 KP6525	M25
T631M140X200R6HX-D6 KM6515	M25
T631M140X200R6HX-D6 KP6525	M25
T631M160X200R6HX-D6 KM6515	M25
T631M160X200R6HX-D6 KP6525	M25
T631M180X250R6HX-D6 KM6515	M25
T631M180X250R6HX-D6 KP6525	M25
T631M240X300R6HX-D6 KP6525	M29
T631M240X300R6HX-XL KP6525	M31
T631M300X350R6HX-D6 KP6525	M29
T623MF140X150R6HX-D74 KSN28	M75
T623MF140X150R6HX-D74 KSP21	M75
T623MF160X150R6HX-D74 KSN28	M75
T623MF160X150R6HX-D74 KSP21	M75

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
T631M300X350R6HX-XL KP6525	M31
T631M330X350R6HX-D6 KP6525	M29
T631M330X350R6HX-XL KP6525	M31
T631M360X400R6HX-D6 KP6525	M29
T631M360X400R6HX-XL KP6525	M31
T631M420X450R6HX-D6 KP6525	M29
T631M420X450R6HX-XL KP6525	M31
T631MF080X100R6HX-D4 KM6515	M25
T631MF080X100R6HX-D4 KP6525	M25
T631MF100X100R6HX-D4 KM6515	M25
T631MF100X100R6HX-D4 KP6525	M25
T631MF100X125R6HX-D4 KM6515	M25
T631MF100X125R6HX-D4 KP6525	M25
T631MF120X125R6HX-D4 KM6515	M25
T631MF120X125R6HX-D4 KP6525	M25
T631MF120X150R6HX-D4 KM6515	M25
T631MF120X150R6HX-D4 KP6525	M25
T631MF140X125R6HX-D4 KM6515	M25
T631MF140X125R6HX-D4 KP6525	M25
T631MF140X150R6HX-D4 KM6515	M25
T631MF140X150R6HX-D4 KP6525	M25
T631MF160X150R6HX-D4 KM6515	M25
T631MF160X150R6HX-D4 KP6525	M25
T631MF180X150R6HX-D4 KM6515	M25
T631MF180X150R6HX-D4 KP6525	M25
T631NC02500-20R3BX-D1 KP6525	M37
T631NC03125-18R3BX-D1 KP6525	M37
T631NC03750-16R3BX-D1 KP6525	M37
T631NC04375-14R3BX-D6 KP6525	M37
T631NC05000-13R3BX-D6 KP6525	M37
T631NF02500-28R3BX-D1 KP6525	M37
T631NF03125-24R3BX-D1 KP6525	M37
T631NF03750-24R3BX-D1 KP6525	M37
T631NF04375-20R3BX-D6 KP6525	M37
T631NF05000-20R3BX-D6 KP6525	M37
T632M050X080R6HX-D1 KP6525	M26
T632M060X100R6HX-D1 KP6525	M26
T632M080X125R6HX-D1 KP6525	M26
T632M100X150R6HX-D1 KP6525	M26
T632M120X175R6HX-D6 KP6525	M26
T632M140X200R6HX-D6 KP6525	M26
T632MF120X150R6HX-D4 KP6525	M26
T632MF140X150R6HX-D4 KP6525	M26
T632MF160X150R6HX-D4 KP6525	M26
T633M050X080R6HX-D1 KP6525	M27
T633M060X100R6HX-D1 KP6525	M27
T633M080X125R6HX-D1 KP6525	M27
T633M100X150R6HX-D1 KP6525	M27
T633M120X175R6HX-D6 KP6525	M27
T633M140X200R6HX-D6 KP6525	M27
T633MF120X150R6HX-D4 KP6525	M27
T633MF140X150R6HX-D4 KP6525	M27
T633MF160X150R6HX-D4 KP6525	M27
T640M040X070R6HX-D1 KP6525	M63
T640M050X080R6HX-D1 KP6525	M63
T640M060X100R6HX-D1 KP6525	M63
T640M080X125R6HX-D1 KP6525	M63
T640M100X150R6HX-D1 KP6525	M63
T640M120X175R6HX-D6 KP6525	M63
T640M140X200R6HX-D6 KP6525	M63
T640M160X200R6HX-D6 KP6525	M63
T640M180X250R6HX-D6 KP6525	M63
T640M200X250R6HX-D6 KP6525	M63
T640M220X250R6HX-D6 KP6525	M63
T640NC#06-32R2BX-D1 KP6525	M67
T640NC#08-32R2BX-D1 KP6525	M67
T640NC#10-24R2BX-D1 KP6525	M67
T640NC02500-20R3BX-D1 KP6525	M67
T640NC03125-18R3BX-D1 KP6525	M67
T640NC03750-16R3BX-D1 KP6525	M67
T640NC04375-14R3BX-D6 KP6525	M67
T640NC05000-13R3BX-D6 KP6525	M67
T640NF#06-40R2BX-D1 KP6525	M67
T640NF#10-32R2BX-D1 KP6525	M67
T640NF02500-28R3BX-D1 KP6525	M67
T640NF03125-24R3BX-D1 KP6525	M67
T640NF03750-24R3BX-D1 KP6525	M67
T640NF04375-20R3BX-D6 KP6525	M67
T640NF05000-20R3BX-D6 KP6525	M67
T641M050X080R6HX-D1 KP6525	M64
T641M060X100R6HX-D1 KP6525	M64
T641M080X125R6HX-D1 KP6525	M64
T641M100X150R6HX-D1 KP6525	M64
T641M120X175R6HX-D6 KP6525	M64
T641M140X200R6HX-D6 KP6525	M64
T641M160X200R6HX-D6 KP6525	M64
T641M180X250R6HX-D6 KP6525	M64
T641M200X250R6HX-D6 KP6525	M64
T641NC02500-20R3BX-D1 KP6525	M68
T641NC03125-18R3BX-D1 KP6525	M68
T641NC03750-16R3BX-D1 KP6525	M68
T641NC04375-14R3BX-D6 KP6525	M68
T641NC05000-13R3BX-D6 KP6525	M68
T641NF02500-28R3BX-D1 KP6525	M68
T641NF03125-24R3BX-D1 KP6525	M68
T641NF03750-24R3BX-D1 KP6525	M68
T641NF04375-20R3BX-D6 KP6525	M68
T641NF05000-20R3BX-D6 KP6525	M68
T642M050X080R6HX-D1 KP6525	M65
T642M060X100R6HX-D1 KP6525	M65
T642M080X125R6HX-D1 KP6525	M65
T642M100X150R6HX-D1 KP6525	M65
T642M120X175R6HX-D6 KP6525	M65
T642M140X200R6HX-D6 KP6525	M65
T642MF120X150R6HX-D4 KP6525	M65
T642MF140X150R6HX-D4 KP6525	M65
T642MF160X150R6HX-D4 KP6525	M65
T643M050X080R6HX-D1 KP6525	M66
T643M060X100R6HX-D1 KP6525	M66
T643M080X125R6HX-D1 KP6525	M66
T643M100X150R6HX-D1 KP6525	M66
T643M120X175R6HX-D6 KP6525	M66
T643M140X200R6HX-D6 KP6525	M66
T643MF120X150R6HX-D4 KP6525	M66
T643MF140X150R6HX-D4 KP6525	M66
T643MF160X150R6HX-D4 KP6525	M66
T650M240X300R6HX-D6 KP6525	M32
T650M240X300R6HX-XL KP6525	M34
T650M300X350R6HX-D6 KP6525	M32
T650M300X350R6HX-XL KP6525	M34
T650M330X350R6HX-D6 KP6525	M32
T650M330X350R6HX-XL KP6525	M34
T650M360X400R6HX-D6 KP6525	M32
T650M360X400R6HX-XL KP6525	M34
T650M420X450R6HX-D6 KP6525	M32
T650M420X450R6HX-XL KP6525	M34
T651M240X300R6HX-D6 KP6525	M33
T651M240X300R6HX-XL KP6525	M35
T651M300X350R6HX-D6 KP6525	M33
T651M300X350R6HX-XL KP6525	M35
T651M330X350R6HX-D6 KP6525	M33
T651M330X350R6HX-XL KP6525	M35
T651M360X400R6HX-D6 KP6525	M33
T651M360X400R6HX-XL KP6525	M35
T651M420X450R6HX-D6 KP6525	M33
T651M420X450R6HX-XL KP6525	M35
T670M030X050R6H-D1 KSN38	M12
T670M040X070R6H-D1 KSN38	M12
T670M050X080R6H-D1 KSN38	M12
T670M060X100R6H-D1 KSN38	M12
T670M080X125R6H-D1 KSN38	M12
T670M100X150R6H-D1 KSN38	M12
T670M120X175R6H-D6 KSN38	M12
T670M160X200R6H-D6 KSN38	M12
T680M030X050R6H-D1 KSN38	M38
T680M040X070R6H-D1 KSN38	M38
T680M050X080R6H-D1 KSN38	M38
T680M060X100R6H-D1 KSN38	M38
T680M080X125R6H-D1 KSN38	M38
T680M100X150R6H-D1 KSN38	M38
T680M120X175R6H-D6 KSN38	M38
T680M160X200R6H-D6 KSN38	M38
T680M200X250R6H-D6 KSN38	M38
T820M020X040R6G-D1 KSP39	M14
T820M020X040R6H-D1 KSP32	M14
T820M020X040R6H-D1 KSP39	M14
T820M025X045R6G-D1 KSP39	M14
T820M025X045R6H-D1 KSP39	M14
T820M030X050R6G-D1 KSP39	M14
T820M030X050R6H-D1 KSP32	M14
T820M030X050R6H-D1 KSP39	M14
T820M030X050R6H-J KSU30	M18
T820M030X050R6H-J KSU31	M18
T820M035X060R6H-D1 KSP39	M14
T820M040X070R6G-D1 KSP39	M14
T820M040X070R6H-D1 KSP32	M14
T820M040X070R6H-D1 KSP39	M14
T820M040X070R6H-J KSU30	M18
T820M040X070R6H-J KSU31	M18
T820M050X080R6G-D1 KSP39	M14
T820M050X080R6H-D1 KSP32	M14
T820M050X080R6H-D1 KSP39	M14
T820M050X080R6H-J KSU30	M18
T820M050X080R6H-J KSU31	M18
T820M060X100R6G-D1 KSP39	M14
T820M060X100R6H-D1 KSP32	M14
T820M060X100R6H-D1 KSP39	M14
T820M060X100R6H-D6 KSP39	M14
T820M060X100R6H-J KSU30	M18
T820M060X100R6H-J KSU31	M18
T820M070X100R6G-D1 KSP39	M14
T820M070X100R6H-D1 KSP32	M14
T820M070X100R6H-D1 KSP39	M14
T820M080X125R6G-D1 KSP39	M14
T820M080X125R6H-D1 KSP32	M14
T820M080X125R6H-D1 KSP39	M14
T820M080X125R6H-D6 KSP39	M14
T820M080X125R6H-J KSU30	M18
T820M080X125R6H-J KSU31	M18
T820M100X150R6G-D1 KSP39	M14
T820M100X150R6H-D1 KSP32	M14
T820M100X150R6H-D1 KSP39	M14
T820M100X150R6H-D6 KSP39	M14
T820M100X150R6H-J KSU30	M18
T820M100X150R6H-J KSU31	M18
T820M120X175R6G-D6 KSP39	M15
T820M120X175R6H-D6 KSP32	M15
T820M120X175R6H-D6 KSP39	M15
T820M120X175R6H-J KSU30	M18
T820M140X200R6G-D6 KSP39	M15
T820M140X200R6H-D6 KSP32	M15
T820M140X200R6H-D6 KSP39	M15
T820M140X200R6H-J KSU30	M18
T820M160X200R6G-D6 KSP39	M15
T820M160X200R6H-D6 KSP32	M15
T820M160X200R6H-D6 KSP39	M15
T820M160X200R6H-J KSU30	M18
T820M180X250R6H-D6 KSP32	M15
T820M180X250R6H-D6 KSP39	M15
T820M180X250R6H-J KSU30	M18
T820M200X250R6H-D6 KSP32	M15
T820M200X250R6H-D6 KSP39	M15
T820M200X250R6H-J KSU30	M18
T820M220X250R6H-D6 KSP39	M15
T820M240X300R6H-D6 KSP39	M15
T820M270X300R6H-D6 KSP39	M15
T820M300X350R6H-D6 KSP39	M15
T820M330X350R6H-D6 KSP39	M15
T820M360X400R6H-D6 KSP39	M15
T820MF040X050R6H-D4 KSP39	M14
T820MF050X050R6H-D4 KSP39	M14
T820MF060X050R6H-D4 KSP39	M14
T820MF060X075R6H-D4 KSP39	M14
T820MF080X100R6H-D4 KSP39	M14
T820MF100X100R6H-D4 KSP39	M14
T820MF100X125R6H-D4 KSP39	M14
T820MF120X100R6H-D4 KSP39	M14
T820MF120X125R6H-D4 KSP39	M14
T820MF120X125R6H-J KSU30	M18
T820MF120X150R6H-D4 KSP39	M14
T820MF120X150R6H-J KSU30	M18
T820MF140X100R6H-D4 KSP39	M15
T820MF140X125R6H-D4 KSP39	M15
T820MF140X150R6H-D4 KSP39	M15
T820MF140X150R6H-J KSU30	M18
T820MF160X100R6H-D4 KSP39	M15
T820MF160X150R6H-D4 KSP39	M15
T820MF160X150R6H-J KSU30	M18
T820MF180X150R6H-D4 KSP39	M15
T820MF180X200R6H-D4 KSP39	M15
T820MF200X150R6H-D4 KSP39	M15
T820MF200X200R6H-D4 KSP39	M15
T820MF220X150R6H-D4 KSP39	M15
T820MF220X200R6H-D4 KSP39	M15
T820MF240X150R6H-D4 KSP39	M15
T820NC#04-40R2B-D1 KSP39	M16
T820NC#04-40R3B-D1 KSP39	M17
T820NC#05-40R2B-D1 KSP39	M16
T820NC#06-32R2B-D1 KSP39	M16
T820NC#06-32R3B-D1 KSP39	M17
T820NC#08-32R2B-D1 KSP39	M16
T820NC#08-32R3B-D1 KSP39	M17
T820NC#10-24R2B-D1 KSP39	M16
T820NC02500-20R2B-D1 KSP39	M16
T820NC03125-18R2B-D1 KSP39	M16
T820NC03750-16R2B-D1 KSP39	M16
T820NC04375-14R2B-D6 KSP39	M16
T820NC05000-13R2B-D6 KSP39	M16
T820NC05625-12R2B-D6 KSP39	M16
T820NC06250-11R2B-D6 KSP39	M16
T820NC07500-10R2B-D6 KSP39	M16
T820NC08750-9R2B-D6 KSP39	M16
T820NC10000-8R2B-D6 KSP39	M16
T820NF#06-40R2B-D1 KSP39	M16
T820NF#10-32R2B-D1 KSP39	M16
T820NF#10-32R3B-D1 KSP39	M17
T820NF02500-28R2B-D1 KSP39	M16
T820NF02500-28R3B-D1 KSP39	M17
T820NF03125-24R2B-D1 KSP39	M16
T820NF03125-24R3B-D1 KSP39	M17
T820NF03750-24R2B-D1 KSP39	M16
T820NF03750-24R3B-D1 KSP39	M17
T820NF04375-20R2B-D6 KSP39	M16
T820NF04375-20R3B-D6 KSP39	M17
T820NF05000-20R2B-D6 KSP39	M16
T820NF05000-20R3B-D6 KSP39	M17
T820NF05625-18R2B-D6 KSP39	M16
T820NF06250-18R2B-D6 KSP39	M16
T820NF07500-16R2B-D6 KSP39	M16
T820NF08750-14R2B-D6 KSP39	M16
T820NF10000-12R2B-D6 KSP39	M16
T830M020X040R6G-D1 KSP39	M40
T830M020X040R6H-D1 KSP39	M40
T830M025X045R6G-D1 KSP39	M40
T830M025X045R6H-D1 KSP39	M40
T830M030X050R6G-D1 KSP39	M40
T830M030X050R6H-D1 KSP32	M40
T830M030X050R6H-D1 KSP39	M40
T830M030X050R6H-J KSU30	M50
T830M030X050R6H-J KSU31	M50
T830M035X060R6H-D1 KSP39	M40
T830M040X070R6G-D1 KSP39	M40
T830M040X070R6H-D1 KSP32	M40
T830M040X070R6H-D1 KSP39	M40
T830M040X070R6H-J KSU30	M50
T830M040X070R6H-J KSU31	M50
T830M050X080R6G-D1 KSP39	M40
T830M050X080R6H-D1 KSP32	M40
T830M050X080R6H-D1 KSP39	M40
T830M050X080R6H-J KSU30	M50
T830M050X080R6H-J KSU31	M50
T830M060X100R6G-D1 KSP39	M40
T830M060X100R6H-D1 KSP32	M40
T830M060X100R6H-D1 KSP39	M40
T830M060X100R6H-D6 KSP39	M40
T830M060X100R6H-J KSU30	M50
T830M060X100R6H-J KSU31	M50
T830M070X100R6H-D1 KSP39	M40
T830M080X125R6G-D1 KSP39	M40
T830M080X125R6H-D1 KSP32	M40
T830M080X125R6H-D1 KSP39	M40
T830M080X125R6H-D6 KSP39	M40
T830M080X125R6H-J KSU30	M50
T830M080X125R6H-J KSU31	M50
T830M100X150R6G-D1 KSP39	M40
T830M100X150R6H-D1 KSP32	M40
T830M100X150R6H-D1 KSP39	M40
T830M100X150R6H-D6 KSP39	M40
T830M100X150R6H-J KSU30	M50
T830M100X150R6H-J KSU31	M50
T830M120X175R6G-D6 KSP39	M40
T830M120X175R6H-D6 KSP32	M40
T830M120X175R6H-D6 KSP39	M40
T830M120X175R6H-J KSU30	M50
T830M140X200R6G-D6 KSP39	M41
T830M140X200R6H-D6 KSP32	M41
T830M140X200R6H-D6 KSP39	M41
T830M140X200R6H-J KSU30	M50

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
T830M160X200R6G-D6 KSP39	M41
T830M160X200R6H-D6 KSP39	M41
T830M160X200R6H-J KSU30	M50
T830M180X250R6H-D6 KSP39	M41
T830M180X250R6H-J KSU30	M50
T830M200X250R6H-D6 KSP39	M41
T830M200X250R6H-J KSU30	M50
T830M220X250R6H-D6 KSP39	M41
T830M240X300R6H-D6 KSP39	M41
T830M270X300R6H-D6 KSP39	M41
T830M300X350R6H-D6 KSP39	M41
T830M330X350R6H-D6 KSP39	M41
T830M360X400R6H-D6 KSP39	M41
T830MF080X100R6H-D4 KSP32	M40
T830MF080X100R6H-D4 KSP39	M40
T830MF100X125R6H-D4 KSP32	M40
T830MF100X125R6H-D4 KSP39	M40
T830MF120X125R6H-D4 KSP39	M40
T830MF120X125R6H-J KSU30	M50
T830MF120X150R6H-D4 KSP32	M40
T830MF120X150R6H-D4 KSP39	M40
T830MF120X150R6H-J KSU30	M50
T830MF140X150R6H-D4 KSP32	M41
T830MF140X150R6H-D4 KSP39	M41
T830MF140X150R6H-J KSU30	M50
T830MF160X150R6H-D4 KSP39	M41
T830MF160X150R6H-J KSU30	M50
T830MF180X150R6H-D4 KSP39	M41
T830NC#04-40R2B-D1 KSP39	M46
T830NC#04-40R3B-D1 KSP39	M49
T830NC#05-40R2B-D1 KSP39	M46
T830NC#06-32R2B-D1 KSP39	M46
T830NC#06-32R3B-D1 KSP39	M49
T830NC#08-32R2B-D1 KSP39	M46
T830NC#08-32R3B-D1 KSP39	M49
T830NC#10-24R2B-D1 KSP39	M46
T830NC02500-20R2B-D1 KSP39	M46
T830NC03125-18R2B-D1 KSP39	M46
T830NC03750-16R2B-D1 KSP39	M46
T830NC04375-14R2B-D6 KSP39	M46
T830NC05000-13R2B-D6 KSP39	M46
T830NC05625-12R2B-D6 KSP39	M46
T830NC06250-11R2B-D6 KSP39	M46
T830NC07500-10R2B-D6 KSP39	M46
T830NC10000-8R2B-D6 KSP39	M46
T830NF#06-40R2B-D1 KSP39	M46
T830NF#10-32R2B-D1 KSP39	M46
T830NF#10-32R3B-D1 KSP39	M49
T830NF02500-28R2B-D1 KSP39	M46
T830NF02500-28R3B-D1 KSP39	M49
T830NF03125-24R2B-D1 KSP39	M46
T830NF03125-24R3B-D1 KSP39	M49
T830NF03750-24R2B-D1 KSP39	M46
T830NF03750-24R3B-D1 KSP39	M49
T830NF04375-20R2B-D6 KSP39	M46
T830NF04375-20R3B-D6 KSP39	M49
T830NF05000-20R2B-D6 KSP39	M46
T830NF05000-20R3B-D6 KSP39	M49
T830NF05625-18R2B-D6 KSP39	M46
T830NF06250-18R2B-D6 KSP39	M46
T830NF07500-16R2B-D6 KSP39	M46
T830NF08750-14R2B-D6 KSP39	M46
T830NF08750-9R2B-D6 KSP39	M46
T830NF10000-12R2B-D6 KSP39	M46
T832M030X050R6H-D1 KSP32	M42
T832M030X050R6H-D1 KSP39	M42
T832M040X070R6H-D1 KSP32	M42
T832M040X070R6H-D1 KSP39	M42
T832M050X080R6H-D1 KSP32	M42
T832M050X080R6H-D1 KSP39	M42
T832M060X100R6H-D1 KSP32	M42
T832M060X100R6H-D1 KSP39	M42
T832M080X125R6H-D1 KSP32	M42
T832M080X125R6H-D1 KSP39	M42
T832M100X150R6H-D1 KSP32	M42
T832M100X150R6H-D1 KSP39	M42
T832M120X175R6H-D6 KSP32	M42
T832M120X175R6H-D6 KSP39	M42
T832M140X200R6H-D6 KSP32	M42
T832M140X200R6H-D6 KSP39	M42
T832M160X200R6H-D6 KSP39	M42
T832M180X250R6H-D6 KSP32	M42
T832M180X250R6H-D6 KSP39	M42
T832M200X250R6H-D6 KSP32	M42
T832M200X250R6H-D6 KSP39	M42
T832MF080X100R6H-D4 KSP32	M42
T832MF080X100R6H-D4 KSP39	M42
T832MF100X125R6H-D4 KSP32	M42
T832MF100X125R6H-D4 KSP39	M42
T832MF120X150R6H-D4 KSP32	M42
T832MF120X150R6H-D4 KSP39	M42
T832MF140X150R6H-D4 KSP32	M42
T832MF140X150R6H-D4 KSP39	M42
T838M020X040R6H-D1 KSP39	M43
T838M020X040R6H-D1 KSU31	M43
T838M030X050R6H-D1 KSP39	M43
T838M030X050R6H-D1 KSU31	M43
T838M040X070R6H-D1 KSP39	M43
T838M040X070R6H-D1 KSU31	M43
T838M050X080R6H-D1 KSP39	M43
T838M050X080R6H-D1 KSU31	M43
T838M050X080R6H-D6 KSP39	M43
T838M050X080R6H-D6 KSU31	M43
T838M060X100R6H-D1 KSP39	M43
T838M060X100R6H-D1 KSU31	M43
T838M060X100R6H-D6 KSP39	M43
T838M060X100R6H-D6 KSU31	M43
T838M080X125R6H-D1 KSP39	M43
T838M080X125R6H-D1 KSU31	M43
T838M080X125R6H-D6 KSP39	M43
T838M080X125R6H-D6 KSU31	M43
T838M100X150R6H-D1 KSP39	M43
T838M100X150R6H-D1 KSU31	M43
T838M100X150R6H-D6 KSP39	M43
T838M100X150R6H-D6 KSU31	M43
T838M120X175R6H-D6 KSP39	M43
T838M120X175R6H-D6 KSU31	M43
T838M140X200R6H-D6 KSP39	M43
T838M140X200R6H-D6 KSU31	M43
T838M160X200R6H-D6 KSP39	M43
T838M160X200R6H-D6 KSU31	M43
T838M180X250R6H-D6 KSP39	M43
T838M180X250R6H-D6 KSU31	M43
T838M200X250R6H-D6 KSP39	M44
T838M200X250R6H-D6 KSU31	M44
T838M220X250R6H-D6 KSP39	M44
T838M220X250R6H-D6 KSU31	M44
T838M240X300R6H-D6 KSP39	M44
T838M240X300R6H-D6 KSU31	M44
T838M270X300R6H-D6 KSP39	M44
T838M270X300R6H-D6 KSU31	M44
T838M300X350R6H-D6 KSP39	M44
T838M300X350R6H-D6 KSU31	M44
T838M330X350R6H-D6 KSP39	M44
T838M330X350R6H-D6 KSU31	M44
T838M360X400R6H-D6 KSP39	M44
T838M360X400R6H-D6 KSU31	M44
T838M390X400R6H-D6 KSP39	M44
T838M390X400R6H-D6 KSU31	M44
T838M420X450R6H-D6 KSP39	M44
T838M420X450R6H-D6 KSU31	M44
T838M450X450R6H-D6 KSP39	M44
T838M450X450R6H-D6 KSU31	M44
T838M480X500R6H-D6 KSP39	M44
T838M480X500R6H-D6 KSU31	M44
T838M520X500R6H-D6 KSP39	M44
T838M520X500R6H-D6 KSU31	M44
T838MF060X075R6H-D4 KSP39	M43
T838MF060X075R6H-D4 KSU31	M43
T838MF080X075R6H-D4 KSP39	M43
T838MF080X075R6H-D4 KSU31	M43
T838MF080X100R6H-D4 KSP39	M43
T838MF080X100R6H-D4 KSU31	M43
T838MF100X075R6H-D4 KSP39	M43
T838MF100X075R6H-D4 KSU31	M43
T838MF100X100R6H-D4 KSP39	M43
T838MF100X100R6H-D4 KSU31	M43
T838MF100X125R6H-D4 KSP39	M43
T838MF100X125R6H-D4 KSU31	M43
T838MF120X100R6H-D4 KSP39	M43
T838MF120X100R6H-D4 KSU31	M43
T838MF120X125R6H-D4 KSP39	M43
T838MF120X125R6H-D4 KSU31	M43
T838MF120X150R6H-D4 KSP39	M43
T838MF120X150R6H-D4 KSU31	M43
T838MF140X100R6H-D4 KSP39	M43
T838MF140X100R6H-D4 KSU31	M43
T838MF140X125R6H-D4 KSP39	M43
T838MF140X125R6H-D4 KSU31	M43
T838MF140X150R6H-D4 KSP39	M43
T838MF140X150R6H-D4 KSU31	M43
T838MF160X150R6H-D4 KSP39	M43
T838MF160X150R6H-D4 KSU31	M43
T838MF180X150R6H-D4 KSP39	M43
T838MF180X150R6H-D4 KSU31	M43
T838MF180X200R6H-D4 KSP39	M43
T838MF180X200R6H-D4 KSU31	M43
T838MF200X150R6H-D4 KSP39	M43
T838MF200X150R6H-D4 KSU31	M43
T838MF200X200R6H-D4 KSP39	M43
T838MF200X200R6H-D4 KSU31	M43
T838MF220X150R6H-D4 KSP39	M44
T838MF220X150R6H-D4 KSU31	M44
T838MF220X200R6H-D4 KSP39	M44
T838MF220X200R6H-D4 KSU31	M44
T838MF240X150R6H-D4 KSP39	M44
T838MF240X150R6H-D4 KSU31	M44
T838MF240X200R6H-D4 KSP39	M44
T838MF240X200R6H-D4 KSU31	M44
T838MF270X150R6H-D4 KSP39	M44
T838MF270X150R6H-D4 KSU31	M44
T838MF300X150R6H-D4 KSP39	M44
T838MF300X150R6H-D4 KSU31	M44
T838MF300X200R6H-D4 KSP39	M44
T838MF300X200R6H-D4 KSU31	M44
T838NC#06-32R2B-D1 KSP39	M47
T838NC#06-32R2B-D1 KSU31	M47
T838NC#08-32R2B-D1 KSP39	M47
T838NC#08-32R2B-D1 KSU31	M47
T838NC#10-24R2B-D1 KSP39	M47
T838NC#10-24R2B-D1 KSU31	M47
T838NC#12-24R2B-D1 KSP39	M47
T838NC#12-24R2B-D1 KSU31	M47
T838NC02500-20R2B-D1 KSP39	M47
T838NC02500-20R2B-D1 KSU31	M47
T838NC02500-20R2B-D6 KSP39	M47
T838NC02500-20R2B-D6 KSU31	M47
T838NC03125-18R2B-D1 KSP39	M47
T838NC03125-18R2B-D1 KSU31	M47
T838NC03125-18R2B-D6 KSP39	M47
T838NC03125-18R2B-D6 KSU31	M47
T838NC03750-16R2B-D1 KSP39	M47
T838NC03750-16R2B-D1 KSU31	M47
T838NC03750-16R2B-D6 KSP39	M47
T838NC03750-16R2B-D6 KSU31	M47
T838NC04375-14R2B-D6 KSP39	M47
T838NC04375-14R2B-D6 KSU31	M47
T838NC05000-13R2B-D6 KSP39	M47
T838NC05000-13R2B-D6 KSU31	M47
T838NC05625-12R2B-D6 KSP39	M47
T838NC05625-12R2B-D6 KSU31	M47
T838NC06250-11R2B-D6 KSP39	M47
T838NC06250-11R2B-D6 KSU31	M47
T838NC07500-10R2B-D6 KSP39	M47
T838NC07500-10R2B-D6 KSU31	M47
T838NC08750-9R2B-D6 KSP39	M47
T838NC08750-9R2B-D6 KSU31	M47
T838NC10000-8R2B-D6 KSP39	M47
T838NC10000-8R2B-D6 KSU31	M47
T838NC11250-7R2B-D6 KSP39	M48
T838NC11250-7R2B-D6 KSU31	M48
T838NC12500-7R2B-D6 KSP39	M48
T838NC12500-7R2B-D6 KSU31	M48
T838NC13750-6R2B-D6 KSP39	M48
T838NC13750-6R2B-D6 KSU31	M48
T838NC15000-6R2B-D6 KSP39	M48
T838NC15000-6R2B-D6 KSU31	M48
T838NC17500-5R2B-D6 KSP39	M48
T838NC17500-5R2B-D6 KSU31	M48
T838NC20000-4,5R2B-D6 KSP39	M48
T838NC20000-4,5R2B-D6 KSU31	M48
T838NF#06-40R2B-D1 KSP39	M47
T838NF#06-40R2B-D1 KSU31	M47
T838NF#08-36R2B-D1 KSP39	M47
T838NF#08-36R2B-D1 KSU31	M47
T838NF#10-32R2B-D1 KSP39	M47
T838NF#10-32R2B-D1 KSU31	M47
T838NF#12-28R2B-D1 KSP39	M47
T838NF#12-28R2B-D1 KSU31	M47
T838NF02500-28R2B-D1 KSP39	M47
T838NF02500-28R2B-D1 KSU31	M47
T838NF02500-28R2B-D4 KSP39	M47
T838NF02500-28R2B-D4 KSU31	M47
T838NF03125-24R2B-D4 KSP39	M47
T838NF03125-24R2B-D4 KSU31	M47
T838NF03750-24R2B-D4 KSP39	M47
T838NF03750-24R2B-D4 KSU31	M47
T838NF04375-20R2B-D4 KSP39	M47
T838NF04375-20R2B-D4 KSU31	M47
T838NF05000-20R2B-D4 KSP39	M47
T838NF05000-20R2B-D4 KSU31	M47
T838NF05625-18R2B-D4 KSP39	M47
T838NF05625-18R2B-D4 KSU31	M47
T838NF06250-18R2B-D4 KSP39	M47
T838NF06250-18R2B-D4 KSU31	M47
T838NF07500-16R2B-D4 KSP39	M47
T838NF07500-16R2B-D4 KSU31	M47
T838NF08750-14R2B-D4 KSP39	M47
T838NF08750-14R2B-D4 KSU31	M47
T838NF10000-12R2B-D4 KSP39	M47
T838NF10000-12R2B-D4 KSU31	M47
T838NF11250-12R2B-D4 KSP39	M48
T838NF11250-12R2B-D4 KSU31	M48
T838NF12500-12R2B-D4 KSP39	M48
T838NF12500-12R2B-D4 KSU31	M48
T838NF13750-12R2B-D4 KSP39	M48
T838NF13750-12R2B-D4 KSU31	M48
T838NF15000-12R2B-D4 KSP39	M48
T838NF15000-12R2B-D4 KSU31	M48
T839M030X050R6H-D1 KSP39	M45
T839M030X050R6H-D1 KSU31	M45
T839M040X070R6H-D1 KSP39	M45
T839M040X070R6H-D1 KSU31	M45
T839M050X080R6H-D1 KSP39	M45
T839M050X080R6H-D1 KSU31	M45
T839M060X100R6H-D1 KSP39	M45
T839M060X100R6H-D1 KSU31	M45
T839M080X125R6H-D1 KSP39	M45
T839M080X125R6H-D1 KSU31	M45
T839M100X150R6H-D1 KSP39	M45
T839M100X150R6H-D1 KSU31	M45
T839M120X175R6H-D6 KSP39	M45
T839M120X175R6H-D6 KSU31	M45
T839M140X200R6H-D6 KSP39	M45
T839M140X200R6H-D6 KSU31	M45
T839M160X200R6H-D6 KSP39	M45
T839M160X200R6H-D6 KSU31	M45
T839M180X250R6H-D6 KSP39	M45
T839M180X250R6H-D6 KSU31	M45
T839M200X250R6H-D6 KSP39	M45
T839M200X250R6H-D6 KSU31	M45
T848NPT00625-27R-D56 KSU30	M79
T848NPT01250-27R-D56 KSU30	M79
T848NPT02500-18R-D56 KSU30	M79
T848NPT03750-18R-D56 KSU30	M79
T848NPT05000-14R-D56 KSU30	M79
T848NPT07500-14R-D56 KSU30	M79
T848NPT10000-11,5R-D56 KSU30	M79
T848NPTF00625-27R-D56 KSU30	M79
T848NPTF01250-27R-D56 KSU30	M79
T848NPTF02500-18R-D56 KSU30	M79
T848NPTF03750-18R-D56 KSU30	M79
T848NPTF05000-14R-D56 KSU30	M79
T848NPTF07500-14R-D56 KSU30	M79
T848NPTF10000-11,5R-D56 KSU30	M79
T857G01250-28R-D56 KSP39	M78
T857G01250-28R-D56 KSU31	M78
T857G02500-19R-D56 KSP39	M78
T857G02500-19R-D56 KSU31	M78
T857G03750-19R-D56 KSP39	M78
T857G03750-19R-D56 KSU31	M78
T857G05000-14R-D56 KSP39	M78
T857G05000-14R-D56 KSU31	M78
T857G06250-14R-D56 KSP39	M78
T857G06250-14R-D56 KSU31	M78
T857G07500-14R-D56 KSP39	M78
T857G07500-14R-D56 KSU31	M78
T857G08750-14R-D56 KSP39	M78

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
T857G08750-14R-D56 KSU31	M78
T857G10000-11R-D56 KSP39	M78
T857G10000-11R-D56 KSU31	M78
T877G01250-28R-D56 KSP39	M78
T877G01250-28R-D56 KSU31	M78
T877G02500-19R-D56 KSP39	M78
T877G02500-19R-D56 KSU31	M78
T877G03750-19R-D56 KSP39	M78
T877G03750-19R-D56 KSU31	M78
T877G05000-14R-D56 KSP39	M78
T877G05000-14R-D56 KSU31	M78
T877G06250-14R-D56 KSP39	M78
T877G06250-14R-D56 KSU31	M78
T877G07500-14R-D56 KSP39	M78
T877G07500-14R-D56 KSU31	M78
T877G08750-14R-D56 KSP39	M78
T877G08750-14R-D56 KSU31	M78
T877G10000-11R-D56 KSP39	M78
T877G10000-11R-D56 KSU31	M78
T9 S	T115, T118
TB15	V9, V11–12, V21, V87–89
TB20	V28
TCDE0800AC5RE KC643M	P42
TCDE1000AC5RE KC643M	P42
TCDE1200AC5RF KC643M	P42
TCDE1600A5CRG KC643M	P42
TCDE2000A5CRG KC643M	P42
TCDE2500A5CRG KC643M	P42
TCGT110201LF KC5025	B243
TCGT110201LF KCU10	B243
TCGT110202HP KC5010	B243
TCGT110202HP KC5410	B243
TCGT110202HP KCU25	B243
TCGT110204HP K313	B243
TCGT110204HP KC5010	B243
TCGT110204HP KC5025	B243
TCGT110204HP KC5410	B243
TCGT110204HP KCU10	B243
TCGT110204HP KCU25	B243
TCGT110204LF KC5010	B243
TCGT110204LF KC5025	B243
TCGT110204LF KCU10	B243
TCGT110208HP KC5010	B243
TCGT16T301LF KCU10	B243
TCGT16T302HP KC5010	B243
TCGT16T302HP KCU25	B243
TCGT16T302LF KC5010	B243
TCGT16T304HP K313	B243
TCGT16T304HP KC5010	B243
TCGT16T304HP KC5025	B243
TCGT16T304HP KC5410	B243
TCGT16T304HP KCU10	B243
TCGT16T304LF KC5010	B243
TCGT16T304LF KCU10	B243
TCGT16T308HP K313	B243
TCGT16T308HP KC5010	B243
TCGT16T308HP KC5025	B243
TCGT16T308HP KC5410	B243
TCGT16T308HP KCU10	B243
TCGT16T308LF KC5010	B243
TCGT16T308LF KCU10	B243
TCGW090202S01015MT KBH20	B319
TCGW090204S01015 MT KBH20	B319
TCGW110202S01015MT KBH10	B319
TCGW110202S01015MT KBH20	B319
TCGW110204FST KD1400	B348
TCGW110204FST KD1425	B348
TCGW110204S01015MT KBH10	B319
TCGW110204S01015MT KBH20	B319
TCGW110204S01225MT KBH10	B319
TCGW110208S01015MT KBH10	B319
TCGW110208S01015MT KBH20	B319
TCGW110208S01225MT KBH10	B319
TCGW16T304FST KD1400	B348
TCMT090204FP KCP25B	B244
TCMT090204FP KCU10	B244
TCMT090204FP KCU25	B244
TCMT090208FP KCU10	B244
TCMT090208FP KCU25	B244
TCMT110202FP KCU25	B244
TCMT110202FP KTP10	B244
TCMT110202LF KC5010	B244
TCMT110202LF KC5025	B244
TCMT11020411 KT315	B243
TCMT110204FP KCK20B	B244
TCMT110204FP KCM25	B244
TCMT110204FP KCP10	B244
TCMT110204FP KCP25	B244
TCMT110204FP KCU10	B244
TCMT110204FP KCU25	B244
TCMT110204FP KTP10	B244
TCMT110204LF KC5010	B244
TCMT110204LF KC5025	B244
TCMT110204LF KCK05	B244
TCMT110204LF KCK15	B244
TCMT110204LF KCK15B	B244
TCMT110204LF KCK20	B244
TCMT110204LF KCK20B	B244
TCMT110204LF KCM15	B244
TCMT110204LF KCM15B	B244
TCMT110204LF KCM25B	B244
TCMT110204LF KCM35	B244
TCMT110204LF KCP10	B244
TCMT110204LF KCP10B	B244
TCMT110204LF KCP25	B244
TCMT110204LF KCP25B	B244
TCMT110204LF KCP30	B244
TCMT110204LF KT315	B244
TCMT110204UF KC5010	B245
TCMT110204UF KCP25	B245
TCMT110208FP KCM15	B244
TCMT110208FP KCP25	B244
TCMT110208FP KCU10	B244
TCMT110208FP KCU25	B244
TCMT110208LF KC5010	B244
TCMT110208LF KC5025	B244
TCMT110208LF KCK05	B244
TCMT110208LF KCK15	B244
TCMT110208LF KCK15B	B244
TCMT110208LF KCK20	B244
TCMT110208LF KCK20B	B244
TCMT110208LF KCM15	B244
TCMT110208LF KCM25B	B244
TCMT110208LF KCP10	B244
TCMT110208LF KCP25	B244
TCMT110208LF KCP25B	B244
TCMT110208LF KCP30	B244
TCMT110208LF KT315	B244
TCMT110208MF KCK15	B245
TCMT110208MF KCK20	B245
TCMT110208MF KCK20B	B245
TCMT110208MF KCM25B	B245
TCMT110208MF KCP25	B245
TCMT110208MF KCP25B	B245
TCMT110208MP KCK20B	B245
TCMT110208MP KCP25	B245
TCMT110208MP KCU10	B245
TCMT110208UF KC5010	B245
TCMT110304FP KCP10B	B244
TCMT110304FP KCU10	B244
TCMT110304FP KCU25	B244
TCMT110308FP KCP05	B244
TCMT110308FP KCU10	B244
TCMT110308FP KCU25	B244
TCMT110312FP KCP05	B244
TCMT110312FP KCU10	B244
TCMT16T302LF KC5010	B244
TCMT16T302LF KC5025	B244
TCMT16T30411 KT315	B243
TCMT16T304FP KCP10	B244
TCMT16T304FP KCP25	B244
TCMT16T304FP KCU10	B244
TCMT16T304FP KCU25	B244
TCMT16T304LF KC5010	B244
TCMT16T304LF KC5025	B244
TCMT16T304LF KCK05	B244
TCMT16T304LF KCK15	B244
TCMT16T304LF KCK20	B244
TCMT16T304LF KCK20B	B244
TCMT16T304LF KCM15	B244
TCMT16T304LF KCM25	B244
TCMT16T304LF KCM25B	B244
TCMT16T304LF KCM35	B244
TCMT16T304LF KCP10	B244
TCMT16T304LF KCP10B	B244
TCMT16T304LF KCP25	B244
TCMT16T304LF KCP25B	B244
TCMT16T304LF KT315	B244
TCMT16T304MP KCK20B	B245
TCMT16T304MP KCM25	B245
TCMT16T304MP KCM25B	B245
TCMT16T304MP KCP25	B245
TCMT16T304MP KCU10	B245
TCMT16T30811 KT315	B243
TCMT16T308FP KCM25	B244
TCMT16T308FP KCP10	B244
TCMT16T308FP KCP25	B244
TCMT16T308FP KCU10	B244
TCMT16T308FP KCU25	B244
TCMT16T308FP KTP10	B244
TCMT16T308LF KC5010	B244
TCMT16T308LF KC5025	B244
TCMT16T308LF KCK05B	B244
TCMT16T308LF KCK15	B244
TCMT16T308LF KCK15B	B244
TCMT16T308LF KCK20	B244
TCMT16T308LF KCK20B	B244
TCMT16T308LF KCM25	B244
TCMT16T308LF KCM25B	B244
TCMT16T308LF KCM35	B244
TCMT16T308LF KCP10	B244
TCMT16T308LF KCP10B	B244
TCMT16T308LF KCP25	B244
TCMT16T308LF KCP25B	B244
TCMT16T308LF KCP30	B244
TCMT16T308LF KT315	B244
TCMT16T308MF KCK15	B245
TCMT16T308MF KCK15B	B245
TCMT16T308MF KCK20	B245
TCMT16T308MF KCK20B	B245
TCMT16T308MF KCM25	B245
TCMT16T308MF KCM25B	B245
TCMT16T308MF KCM35	B245
TCMT16T308MF KCP10	B245
TCMT16T308MF KCP25	B245
TCMT16T308MF KCP25B	B245
TCMT16T308MF KCP30	B245
TCMT16T308MP KCK20B	B245
TCMT16T308MP KCM15	B245
TCMT16T308MP KCM25	B245
TCMT16T308MP KCM25B	B245
TCMT16T308MP KCP10	B245
TCMT16T308MP KCP25	B245
TCMT16T308MP KCU10	B245
TCMT16T308UF KC5010	B245
TCMT16T308UF KCP25	B245
TCMT16T312FP KCP10	B244
TCMT16T312FP KCU10	B244
TCMT16T312FP KCU25	B244
TCMT16T312LF KC5010	B244
TCMT16T312LF KCK15	B244
TCMT16T312LF KCK20	B244
TCMT16T312LF KCK20B	B244
TCMT16T312LF KCM25	B244
TCMT16T312LF KCP10B	B244
TCMT16T312LF KCP25	B244
TCMT16T312MF KCK20	B245
TCMT16T312MF KCK20B	B245
TCMT16T312MF KCM25B	B245
TCMT16T312MF KCP10	B245
TCMT16T312MF KCP25B	B245
TCMT16T312MP KCP25	B245
TCMT220408FP KCM25	B244
TCMT220408FP KCP05	B244
TCMT220408FP KCP25	B244
TCMT220408FP KCU10	B244
TCMT220408FP KCU25	B244
TCMT220408LF KC5010	B244
TCMT220408LF KC5025	B244
TCMT220408LF KCK15B	B244
TCMT220408LF KCK20B	B244
TCMT220408LF KCP10B	B244
TCMT220408LF KCP25	B244
TCMT220408LF KCP25B	B244
TCMW16T304 KCK20B	B246
TCMW16T308 KCK20B	B246
TD6P K68	B253
TDHB07T1202 KC5010	B249
TDHB07T1202 KC5025	B249
TDHB07T1202 KCU10	B249
TDHB07T1202 KCU25	B249
TDHB07T1204 KC5010	B249
TDHB07T1204 KC5025	B249
TDHB07T1204 KCU10	B249
TDHB07T1204 KCU25	B249
TDHB07T1204 KT315	B249
TDHB07T1208 KC5025	B249
TDHB07T12S0 KC5010	B249
TDHB07T12S0 KCU25	B249
TDHB07T12S0 KT315	B249
TDHH07T1202L KC5010	B249
TDHH07T1202L KCU10	B249
TDHH07T1202L KCU25	B249
TDHH07T1202R KCU10	B249
TDHH07T1204L KC5010	B249
TDHH07T1204L KCU10	B249
TDHH07T1204L KCU25	B249
TDHH07T1204R KCU10	B249
THW2M	T58–59, V72, V78, V137–139
THW3M	U27–35, U40–49
TK01338D	E54
TK01339D	E54
TM24D14L26Z1	W4
TM24D15L30Z1	W4
TM24D16L28Z2	W4
TM24D16L36Z1	W4
TM24EN14BSF KC610M	W6
TM24EN14BSF KC635M	W6
TM24EN18NPT KC610M	W6
TM24EN18NPT KC635M	W6
TM24EN18NPTF KC610M	W7
TM24EN18NPTF KC635M	W7
TM24EN19BSF KC610M	W6
TM24EN19BSF KC635M	W6
TM24EN19BSPT KC610M	W7
TM24EN19BSPT KC635M	W7
TM24ENBLANK	W7
TM24N050ISO KC610M	W6
TM24N050ISO KC635M	W6
TM24N075ISO KC610M	W6
TM24N075ISO KC635M	W6
TM24N100ISO KC610M	W6
TM24N100ISO KC635M	W6
TM24N10UN KC610M	W6
TM24N10UN KC635M	W6
TM24N125ISO KC610M	W6
TM24N125ISO KC635M	W6
TM24N12UN KC610M	W6
TM24N12UN KC635M	W6
TM24N14UN KC610M	W6
TM24N14UN KC635M	W6
TM24N150ISO KC610M	W6
TM24N150ISO KC635M	W6
TM24N16UN KC610M	W6
TM24N16UN KC635M	W6
TM24N175ISO KC610M	W6
TM24N175ISO KC635M	W6
TM24N18UN KC610M	W6
TM24N18UN KC635M	W6
TM24N200ISO KC610M	W6
TM24N200ISO KC635M	W6
TM24N20UN KC610M	W6
TM24N20UN KC635M	W6
TM24N24UN KC610M	W6
TM24N24UN KC635M	W6
TM24N250ISO KC610M	W6
TM24N250ISO KC635M	W6
TM24N28UN KC610M	W6
TM24N28UN KC635M	W6
TM24N32UN KC610M	W6
TM24N32UN KC635M	W6
TM25BLANK	W15
TM25D17L26Z2	W10
TM25D17L36Z2	W10
TM25D20L37Z3	W10
TM25D20L44Z3	W10
TM25D22L43Z3	W10

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
TM25D22L55Z3	W10
TM25D30L55Z5	W10
TM25EN115NPT KC610M	W15
TM25EN115NPT KC635M	W15
TM25EN11BSPT KC610M	W15
TM25EN11W KC610M	W15
TM25EN11W KC635M	W15
TM25EN12W KC610M	W15
TM25EN14BSPT KC610M	W15
TM25EN14NPT KC610M	W15
TM25EN14NPT KC635M	W15
TM25EN14W KC610M	W15
TM25EN14W KC635M	W15
TM25INSERTSCREW	W4–5, W10–13, W17–19, W24–25
TM25N100ISO KC610M	W14
TM25N100ISO KC635M	W14
TM25N10UN KC610M	W14
TM25N10UN KC635M	W14
TM25N12UN KC610M	W14
TM25N12UN KC635M	W14
TM25N14UN KC610M	W14
TM25N14UN KC635M	W14
TM25N150ISO KC610M	W14
TM25N150ISO KC635M	W14
TM25N16UN KC610M	W14
TM25N16UN KC635M	W14
TM25N18UN KC610M	W14
TM25N200ISO KC610M	W14
TM25N200ISO KC635M	W14
TM25N20UN KC610M	W14
TM25N20UN KC635M	W14
TM25N250ISO KC610M	W14
TM25N250ISO KC635M	W14
TM25N300ISO KC610M	W14
TM25N300ISO KC635M	W14
TM25N8UN KC610M	W14
TM25N8UN KC635M	W14
TM25N9UN KC610M	W14
TM25N9UN KC635M	W14
TM40D22L43Z3	W17
TM40D22L65Z3	W17
TM40D30L55Z4	W17
TM40D30L80Z3	W17
TM40EN008NPT KC610M	W20
TM40EN008NPT KC635M	W20
TM40EN008NPTF KC610M	W21
TM40EN008NPTF KC635M	W21
TM40EN011BSPT KC610M	W21
TM40EN011BSPT KC635M	W21
TM40EN115NPT KC610M	W20
TM40EN115NPTF KC610M	W21
TM40EN11BSF KC610M	W20
TM40EN11BSF KC635M	W20
TM40EN12BSF KC610M	W20
TM40EN14BSF KC610M	W20
TM40EN16BSF KC610M	W20
TM40ENBLANK	W21
TM40N100ISO KC610M	W20
TM40N100ISO KC635M	W20
TM40N10UN KC610M	W20
TM40N12UN KC610M	W20
TM40N12UN KC635M	W20
TM40N14UN KC610M	W20
TM40N150ISO KC610M	W20
TM40N150ISO KC635M	W20
TM40N16UN KC610M	W20
TM40N16UN KC635M	W20
TM40N18UN KC610M	W20
TM40N200ISO KC610M	W20
TM40N200ISO KC635M	W20
TM40N20UN KC610M	W20
TM40N20UN KC635M	W20
TM40N250ISO KC610M	W20
TM40N300ISO KC610M	W20
TM40N300ISO KC635M	W20
TM40N8UN KC610M	W20
TM40N8UN KC635M	W20
TM40N9UN KC610M	W20
TM41D21L45Z1	W24
TM41D25L43Z2	W24
TM41D30L43Z3	W24
TM41D30L65Z3	W24
TM41D36L43Z5	W24
TM41D36L65Z4	W24
TM41EN8NPT KC610M	W26
TM41EN8NPT KC635M	W26
TM41ENBLANK	W26
TM41N300ISO KC610M	W26
TM41N300ISO KC635M	W26
TM41N350ISO KC610M	W26
TM41N350ISO KC635M	W26
TM41N400ISO KC610M	W26
TM41N400ISO KC635M	W26
TM41N450ISO KC610M	W26
TM41N450ISO KC635M	W26
TM41N45UN KC610M	W26
TM41N45UN KC635M	W26
TM41N4UN KC610M	W26
TM41N4UN KC635M	W26
TM41N500ISO KC610M	W26
TM41N500ISO KC635M	W26
TM41N550ISO KC610M	W26
TM41N550ISO KC635M	W26
TM41N5UN KC610M	W26
TM41N5UN KC635M	W26
TM41N600ISO KC610M	W26
TM41N600ISO KC635M	W26
TM41N6UN KC610M	W26
TM41N6UN KC635M	W26
TM41N7UN KC610M	W26
TM41N7UN KC635M	W26
TM41N8UN KC610M	W26
TM41N8UN KC635M	W26
TM711M030X050R2DHA KCU33	M85
TM711M040X070R2DHA KCU33	M85
TM711M050X080R2DHA KCU33	M85
TM711M060X100R2DHA KCU33	M85
TM711M080X125R2DHA KCU33	M85
TM711M100X150R2DHA KCU33	M85
TM711M120X175R2DHA KCU33	M85
TM711M140X200R2DHA KCU33	M85
TM711M160X200R2DHA KCU33	M85
TM711M180X250R2DHA KCU33	M85
TM711M200X250R2DHA KCU33	M85
TM711MF040X050R2DHA KCU33	M85
TM711MF050X050R2DHA KCU33	M85
TM711MF060X075R2DHA KCU33	M85
TM711MF080X075R2DHA KCU33	M85
TM711MF080X100R2DHA KCU33	M85
TM711MF100X100R2DHA KCU33	M85
TM711MF120X100R2DHA KCU33	M85
TM711MF120X150R2DHA KCU33	M85
TM711MF140X150R2DHA KCU33	M85
TM711MF160X150R2DHA KCU33	M85
TM711MF180X150R2DHA KCU33	M85
TM711MF200X150R2DHA KCU33	M85
TM721M060X100R2DHA KCU32	M87
TM721M080X125R2DHA KCU32	M87
TM721M100X150R2DHA KCU32	M87
TM721M120X175R2DHA KCU32	M87
TM721M140X200R2DHA KCU32	M87
TM721M160X200R2DHA KCU32	M87
TM721MF080X100R2DHA KCU32	M87
TM721MF120X125R2DHA KCU32	M87
TM721MF140X150R2DHA KCU32	M87
TM721NC0500-13R2DHA KCU32	M86
TM721NC0625-11R2DHA KCU32	M86
TM721NC2500-20R2DHA KCU32	M86
TM721NC3125-18R2DHA KCU32	M86
TM721NC3750-16R2DHA KCU32	M86
TM721NC4375-14R2DHA KCU32	M86
TM721NC5625-12R2DHA KCU32	M86
TM731M040X070R2DHA KCU32	M88
TM731M050X080R2DHA KCU32	M88
TM731M060X100R2DHA KCU32	M88
TM731M080X125R2DHA KCU32	M88
TM731M100X150R2DHA KCU32	M88
TM731M120X175R2DHA KCU32	M88
TM731M160X200R2DHA KCU32	M88
TM731MF080X100R2DHA KCU32	M88
TM741M060X100R2DHA KCU36	M90
TM741M080X125R2DHA KCU36	M90
TM741M100X150R2DHA KCU36	M90
TM741M120X175R2DHA KCU36	M90
TM741M140X200R2DHA KCU36	M90
TM741M160X200R2DHA KCU36	M90
TM741M180X250R2DHA KCU36	M90
TM741M200X250R2DHA KCU36	M90
TM741MF080X100R2DHA KCU36	M90
TM741MF100X100R2DHA KCU36	M90
TM741MF100X125R2DHA KCU36	M90
TM741MF120X150R2DHA KCU36	M90
TM741NC0500-13R2DHA KCU36	M89
TM741NC0750-10R2DHA KCU36	M89
TM741NC0750-16R2DHA KCU36	M89
TM741NC2500-20R2DHA KCU36	M89
TM741NC3125-18R2DHA KCU36	M89
TM741NC3750-16R2DHA KCU36	M89
TM741NF0500-20R2DHA KCU36	M89
TM741NF0625-18R2DHA KCU36	M89
TM741NF2500-28R2DHA KCU36	M89
TM741NF3125-24R2DHA KCU36	M89
TM741NF3750-24R2DHA KCU36	M89
TMC25D30L80Z4	W10
TMS25D36L34Z5	W12
TMS25D44L38Z6	W12
TMS25D52L40Z8	W12
TMS40D44L48Z6	W18
TMS40D52L50Z8	W18
TMS41D48L50Z5	W25
TMS41D58L50Z6	W25
TMST25D36L34Z5	W13
TMST40D45L48Z6	W19
TMT24D14L26Z1	W5
TMT25D17L26Z2	W11
TMT25D22L43Z3	W11
TMT25D28L43Z4	W11
TNGA160404S01015MT KBH10	B320
TNGA160404S01015MT KBH20	B320
TNGA160404S01225MT KBH20	B320
TNGA160404S01735MT KBH20	B320
TNGA160408S01015MT KBH10	B320
TNGA160408S01015MT KBH20	B320
TNGA160408S01225MT KBH10	B320
TNGA160408S01225MT KBH20	B320
TNGA160408S01735MT KBH10	B320
TNGA160408S01735MT KBH20	B320
TNGA160408T02020 KY1615	B319
TNGA160408T02020 KY3500	B294
TNGA160408T02020 KYK10	B294
TNGA160412S01015MT KBH10	B320
TNGA160412S01015MT KBH20	B320
TNGA160412S01225MT KBH10	B320
TNGA160412S01225MT KBH20	B320
TNGA160412S01735MT KBH10	B320
TNGA160412S01735MT KBH20	B320
TNGA160412T02020 KY1615	B319
TNGA160412T02020 KY3500	B294
TNGA160416T02020 KY3500	B294
TNGA220408T02020 KY1615	B319
TNGA220412T02020 KY1615	B319
TNGG160402FS KC5025	B122
TNGG160402LF KC5010	B122
TNGG160402LF KCU10	B122
TNGG160404FS KC5010	B122
TNGG160404FS KC5025	B122
TNGG160404FS KCU10	B122
TNGG160404LF KC5010	B122
TNGG160408LF KC5010	B122
TNGG220408FS KCU10	B122
TNGM160408S01325MTCB1 KBH20	B320
TNGN110308T02020 KY1615	B319
TNGN110416S02020 KBK45	B286
TNGN160404T02020 KY1615	B319
TNGN160408T02020 KY1615	B319
TNGN160408T02020 KY3500	B298
TNGN160412T02020 KY1615	B319
TNGN160416S02020 KBK45	B286
TNGN160416T02020 KY1615	B319
TNGN160708T02020 KY1615	B319
TNGN160712T02020 KY1615	B319
TNGN220408T02020 KY1615	B319
TNGN220412T01020 KYS25	B336
TNGN220416T01020 KYS25	B336
TNGN220416T02020 KY3500	B298
TNGP160402 KC5010	B122
TNGP160402 KCU10	B122
TNGP160404 KC5010	B122
TNGP160404 KC5410	B122
TNGP160404 KCU10	B122
TNGP160408 KC5010	B122
TNGP160408 KC5410	B122
TNGP160408 KCU10	B122
TNGX160416S02020 KBK45	B288
TNMA160408 K68	B123
TNMA160408 KCK15	B123
TNMA160408 KCK15B	B123
TNMA160408 KCK20	B123
TNMA160408 KCK20B	B123
TNMA160412 KCK15	B123
TNMA160412 KCK20	B123
TNMA160416 KCK15	B123
TNMA160416 KCK20	B123
TNMA220408 K68	B123
TNMA220408 KCK05	B123
TNMA220408 KCK20B	B123
TNMA220412 KCK15B	B123
TNMA220412 KCK20B	B123
TNMA270616 KCK15	B123
TNMG110304FF KCU10	B124
TNMG110304FN KCP25	B124
TNMG110308FF KC5010	B124
TNMG110308FN KCP10	B124
TNMG110308FN KCP25	B124
TNMG160402MS KC5010	B126
TNMG160402MS KC5025	B126
TNMG160402MS KCU10	B126
TNMG160402MS KCU25	B126
TNMG160404FF KC5010	B124
TNMG160404FF KCM15B	B124
TNMG160404FF KCP10	B124
TNMG160404FF KCU10	B124
TNMG160404FF KT315	B124
TNMG160404FN KCK05	B124
TNMG160404FN KCK15B	B124
TNMG160404FN KCP05	B124
TNMG160404FN KCP10	B124
TNMG160404FN KCP10B	B124
TNMG160404FN KCP25	B124
TNMG160404FN KCP25B	B124
TNMG160404FN KT315	B124
TNMG160404FP KC5010	B124
TNMG160404FP KCM15	B124
TNMG160404FP KCU10	B124
TNMG160404FP KT315	B124
TNMG160404FW KC5010	B125
TNMG160404FW KCP05	B125
TNMG160404FW KCP10	B125
TNMG160404FW KCU10	B125
TNMG160404FW KT315	B125
TNMG160404MN KCP10	B125
TNMG160404MN KCP10B	B125
TNMG160404MN KCP25	B125
TNMG160404MN KCP25B	B125
TNMG160404MN KCP30	B125
TNMG160404MP KC5010	B125
TNMG160404MP KCM15	B125
TNMG160404MP KCM15B	B125
TNMG160404MP KCM25	B125
TNMG160404MP KCM25B	B125
TNMG160404MP KCM35B	B125
TNMG160404MP KCU10	B125
TNMG160404MS KC5010	B126
TNMG160404MS KC5025	B126
TNMG160404MS KCU10	B126
TNMG160404MS KCU25	B126
TNMG160404P KC5010	B127
TNMG160404P KCU10	B127
TNMG160404UP KCM25	B129
TNMG160408CT KCPK05	B123
TNMG160408FF KC5010	B124
TNMG160408FF KCP05	B124
TNMG160408FF KCP10B	B124
TNMG160408FF KCU10	B124
TNMG160408FF KT315	B124
TNMG160408FN KCK05	B124
TNMG160408FN KCK15B	B124

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
TNMG160408FN KCP05B	B124
TNMG160408FN KCP10	B124
TNMG160408FN KCP10B	B124
TNMG160408FN KCP25	B124
TNMG160408FN KCP25B	B124
TNMG160408FN KT315	B124
TNMG160408FP KC5010	B124
TNMG160408FP KCM15	B124
TNMG160408FP KCP10	B124
TNMG160408FP KCU10	B124
TNMG160408FP KT315	B124
TNMG160408FW KCP05	B125
TNMG160408FW KCP10B	B125
TNMG160408FW KT315	B125
TNMG160408MG KCP10B	B126
TNMG160408MN KCP05	B125
TNMG160408MN KCP10	B125
TNMG160408MN KCP10B	B125
TNMG160408MN KCP25	B125
TNMG160408MN KCP25B	B125
TNMG160408MN KCP30	B125
TNMG160408MN KCP30B	B125
TNMG160408MP KC5010	B125
TNMG160408MP KCM15	B125
TNMG160408MP KCM15B	B125
TNMG160408MP KCM25	B125
TNMG160408MP KCM25B	B125
TNMG160408MP KCM35	B125
TNMG160408MP KCM35B	B125
TNMG160408MP KCP25	B125
TNMG160408MP KCP25B	B125
TNMG160408MP KCU10	B125
TNMG160408MR KCM25	B126
TNMG160408MR KCM25B	B126
TNMG160408MR KCP10B	B126
TNMG160408MR KCP25B	B126
TNMG160408MS KC5010	B126
TNMG160408MS KC5025	B126
TNMG160408MS KCU10	B126
TNMG160408MS KCU25	B126
TNMG160408MW KCP05	B127
TNMG160408MW KCP10	B127
TNMG160408MW KCP25	B127
TNMG160408MW KCP25B	B127
TNMG160408P KCU10	B127
TNMG160408RN KCP10	B127
TNMG160408RN KCP10B	B127
TNMG160408RN KCP25	B127
TNMG160408RN KCP25B	B127
TNMG160408RN KCP30	B127
TNMG160408RP KC5010	B128
TNMG160408RP KC5025	B128
TNMG160408RP KCK05	B128
TNMG160408RP KCK20	B128
TNMG160408RP KCM15	B128
TNMG160408RP KCM25	B128
TNMG160408RP KCP05	B128
TNMG160408RP KCP10	B128
TNMG160408RP KCP10B	B128
TNMG160408RP KCP25	B128
TNMG160408RP KCP25B	B128
TNMG160408RP KCP30	B128
TNMG160408RP KCU10	B128
TNMG160408RP KCU25	B128
TNMG160408UN KCK05	B128
TNMG160408UN KCK15	B128
TNMG160408UN KCK15B	B128
TNMG160408UN KCK20	B128
TNMG160408UN KCK20B	B128
TNMG160408UP KCM15	B129
TNMG160408UP KCM25	B129
TNMG160412FN KCK05	B124
TNMG160412FN KCP05	B124
TNMG160412FN KCP10B	B124
TNMG160412FN KCP25	B124
TNMG160412FN KT315	B124
TNMG160412FP KC5010	B124
TNMG160412FP KCM15	B124
TNMG160412FP KCU10	B124
TNMG160412FW KCP05	B125
TNMG160412FW KCP10B	B125
TNMG160412FW KT315	B125
TNMG160412MN KCP10B	B125
TNMG160412MN KCP25	B125
TNMG160412MN KCP25B	B125
TNMG160412MN KCP40	B125
TNMG160412MP KC5010	B125
TNMG160412MP KCM15B	B125
TNMG160412MP KCM25	B125
TNMG160412MP KCM25B	B125
TNMG160412MR KCK15B	B126
TNMG160412MR KCP10B	B126
TNMG160412MR KCP25B	B126
TNMG160412MW KCP10	B127
TNMG160412MW KCP10B	B127
TNMG160412MW KCP25	B127
TNMG160412RN KCP10B	B127
TNMG160412RN KCP25	B127
TNMG160412RN KCP25B	B127
TNMG160412RN KCP30	B127
TNMG160412RP KC5025	B128
TNMG160412RP KCK20	B128
TNMG160412RP KCM25	B128
TNMG160412RP KCM35	B128
TNMG160412RP KCP05	B128
TNMG160412RP KCP10	B128
TNMG160412RP KCP10B	B128
TNMG160412RP KCP25	B128
TNMG160412RP KCP25B	B128
TNMG160412RP KCU25	B128
TNMG160412UN KCK05	B128
TNMG160412UN KCK05B	B128
TNMG160412UN KCK15B	B128
TNMG160412UN KCK20	B128
TNMG160412UN KCK20B	B128
TNMG160416RP KCP10	B128
TNMG160416UN KCK20	B128
TNMG220404FN KCP25	B124
TNMG220404FP KC5010	B124
TNMG220404FP KCM15	B124
TNMG220404FP KCM25B	B124
TNMG220404FP KCU10	B124
TNMG220404MN KCP10	B125
TNMG220404MN KCP25	B125
TNMG220404MN KCP25B	B125
TNMG220404MN KCP30	B125
TNMG220404MS KC5010	B126
TNMG220404MS KC5025	B126
TNMG220404MS KCU10	B126
TNMG220404MS KCU25	B126
TNMG220404P KCU10	B127
TNMG220408FN KCP10B	B124
TNMG220408FN KCP25	B124
TNMG220408FP KCM15	B124
TNMG220408FP KCU10	B124
TNMG220408MN KCP10	B125
TNMG220408MN KCP10B	B125
TNMG220408MN KCP25	B125
TNMG220408MN KCP25B	B125
TNMG220408MN KCP40	B125
TNMG220408MP KC5010	B125
TNMG220408MP KCM15B	B125
TNMG220408MP KCM25	B125
TNMG220408MP KCM25B	B125
TNMG220408MP KCP10B	B125
TNMG220408MP KCU10	B125
TNMG220408MR KCM25	B126
TNMG220408MR KCP25B	B126
TNMG220408MS K313	B126
TNMG220408MS KC5010	B126
TNMG220408MS KC5025	B126
TNMG220408MS KCU10	B126
TNMG220408MS KCU25	B126
TNMG220408P KCU10	B127
TNMG220408RN KCP10B	B127
TNMG220408RN KCP25	B127
TNMG220408RN KCP25B	B127
TNMG220408RN KCP30	B127
TNMG220408RN KCP30B	B127
TNMG220408RN KCP40	B127
TNMG220408RN KCP40B	B127
TNMG220408RP KC5010	B128
TNMG220408RP KC5025	B128
TNMG220408RP KCK20B	B128
TNMG220408RP KCM25	B128
TNMG220408RP KCM25B	B128
TNMG220408RP KCP10B	B128
TNMG220408RP KCP25	B128
TNMG220408RP KCP25B	B128
TNMG220408RP KCP40B	B128
TNMG220408RP KCU10	B128
TNMG220408RP KCU25	B128
TNMG220408UN KCK20	B128
TNMG220408UP KCM25	B129
TNMG220408UP KCM35	B129
TNMG220412 K68	B123
TNMG220412FN KCP10B	B124
TNMG220412FN KCP25	B124
TNMG220412MN KCP10B	B125
TNMG220412MN KCP25	B125
TNMG220412MN KCP25B	B125
TNMG220412MN KCP30	B125
TNMG220412MN KCP40B	B125
TNMG220412MP KC5010	B125
TNMG220412MP KCM25	B125
TNMG220412MP KCM25B	B125
TNMG220412MR KCM25B	B126
TNMG220412MS KCU10	B126
TNMG220412MS KCU25	B126
TNMG220412P KCU10	B127
TNMG220412RN KCP10	B127
TNMG220412RN KCP10B	B127
TNMG220412RN KCP25	B127
TNMG220412RN KCP25B	B127
TNMG220412RN KCP30B	B127
TNMG220412RN KCP40B	B127
TNMG220412RP KCM25	B128
TNMG220412RP KCM25B	B128
TNMG220412RP KCP10	B128
TNMG220412RP KCP25B	B128
TNMG220412RP KCP40	B128
TNMG220412RP KCU10	B128
TNMG220412RP KCU25	B128
TNMG220412UN KCK15	B128
TNMG220412UN KCK20	B128
TNMG220416MP KC5010	B125
TNMG220416RN KCP25	B127
TNMG220416RN KCP25B	B127
TNMG220416RP KCK15	B128
TNMG220416RP KCM25	B128
TNMG220416RP KCP10	B128
TNMG220416RP KCP25B	B128
TNMG220416RP KCU25	B128
TNMG220416UN KCK20	B128
TNMG220432RP KC5010	B128
TNMG220432RP KCK20	B128
TNMG220432RP KCP10B	B128
TNMG220432RP KCP25B	B128
TNMG220432RP KCP30	B128
TNMG270608MS KC5025	B126
TNMG270608MS KCU25	B126
TNMG270608RN KCP10	B127
TNMG270608RN KCP25	B127
TNMG270608RN KCP25B	B127
TNMG270608RN KCP30	B127
TNMG270612MR KCP25B	B126
TNMG270612RN KCP10	B127
TNMG270612RN KCP10B	B127
TNMG270612RN KCP25	B127
TNMG270612RN KCP30B	B127
TNMG270612RN KCP40	B127
TNMG270612RP KC5010	B128
TNMG270612RP KCM15	B128
TNMG270612RP KCM25B	B128
TNMG270612RP KCM35	B128
TNMG270612RP KCP10	B128
TNMG270612RP KCP25	B128
TNMG270612RP KCU10	B128
TNMG270612RP KCU25	B128
TNMG270616MS K313	B126
TNMG270616RN KCP10	B127
TNMG270616RN KCP25	B127
TNMG270616RN KCP25B	B127
TNMG270616RN KCP30B	B127
TNMG270616RN KCP40B	B127
TNMG270616RP KCM25	B128
TNMG270616RP KCP25B	B128
TNMG270616RP KCU10	B128
TNMG330924 KCP25	B123
TNMG330924 KCP40	B123
TNMG330924RN KCP10B	B127
TNMG330924RN KCP25	B127
TNMG330924RN KCP25B	B127
TNMG330924RN KCP30B	B127
TNMG330924RN KCP40B	B127
TNMG330924RP KCM25	B128
TNMG330924RP KCP25	B128
TNMG330924RP KCP40	B128
TNMG330924RP KCP40B	B128
TNMG330924RP KCU10	B128
TNMM160408RM KCP25	B129
TNMM160408RM KCP25B	B129
TNMM160408RM KCP30	B129
TNMM160412RM KCP25	B129
TNMM220408RM KCP25B	B129
TNMM220408RP KCP10	B130
TNMM220408RP KCP10B	B130
TNMM220412RM KCP25	B129
TNMM220412RM KCP25B	B129
TNMM220412RM KCP30	B129
TNMM220412RP KCM25B	B130
TNMM220412RP KCP25	B130
TNMM220416RM KCP25B	B129
TNMM220416RP KCP10	B130
TNMM270612RM KCP25	B129
TNMM270612RM KCP30	B129
TNMM270616RM KCP25	B129
TNMM330924MR KCP25B	B129
TNMP160404 K313	B130
TNMP160404K KCP25B	B130
TNMP160408 K313	B130
TNMP160408K KCP10	B130
TNMP160408K KCP25	B130
TNMP160408K KCP25B	B130
TNMP220408K KCP25	B130
TNMP220408K KCP25B	B130
TNMP220416 K68	B130
TNMS160404 K68	B131
TNMS160404FST KD1400	B348
TNMS160404FST KD1425	B348
TNMS160408 K68	B131
TNMS160408FST KD1400	B348
TNMS160408FST KD1425	B348
TNMS220408 K68	B131
TNMS220408 KC5410	B131
TP20	T86–89, V27–28
TP7	V4–5
TP8	V101, V103–104
TPCB110202 KC5010	B253
TPCB160302 KC5010	B253
TPCB160304 KC5010	B253
TPCB160308 KC5010	B253
TPCG110202L KC5010	B253
TPCG110204L KC5010	B253
TPCG110208L KC5010	B253
TPCH110202 KC5010	B253
TPCH110204 KC5010	B253
TPGH160304 KCU10	B253
TPGH160304 KCU25	B253
TPGH160308 KC5010	B253
TPGN110304 K313	B171
TPGN110304 K68	B171
TPGN110304 KC5010	B171
TPGN110304 KCU10	B171
TPGN110304F KD1425	B349
TPGN110304T01020 KY1615	B320
TPGN110308 K68	B171
TPGN110308 KC5010	B171
TPGN110308 KCU10	B171
TPGN110308T01020 KY1615	B320
TPGN110312T01020 KY1615	B320
TPGN160302 K313	B171
TPGN160302 K68	B171
TPGN160302 KC5010	B171
TPGN160304 K313	B171
TPGN160304 K68	B171
TPGN160304 KC5010	B171
TPGN160304 KCU10	B171

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
TPGN160304F KD1425	B349
TPGN160304T00520 KY1615	B320
TPGN160304T01020 KY1615	B320
TPGN160308 K313	B171
TPGN160308 K68	B171
TPGN160308 KC5010	B171
TPGN160308 KCU10	B171
TPGN160308F KD1425	B349
TPGN160308T00520 KY1615	B320
TPGN160308T01020 KY1615	B320
TPGN160308T02020 KY3500	B299
TPGN160312 K313	B171
TPGN160312 KC5010	B171
TPGN160312T01020 KY1615	B320
TPGN160312T02020 KY3500	B299
TPGN160312T02020 KYK10	B299
TPGN160316 K68	B171
TPGN160316 KC5010	B171
TPGN220404 K313	B171
TPGN220404 K68	B171
TPGN220404 KC5010	B171
TPGN220404 KCU10	B171
TPGN220408 K313	B171
TPGN220408 K68	B171
TPGN220408 KC5010	B171
TPGN220408 KCP25B	B171
TPGN220408 KCU10	B171
TPGN220408F KD1425	B349
TPGN220408T02020 KY3500	B299
TPGN220412 K68	B171
TPGN220412 KC5010	B171
TPGN220412 KCU10	B171
TPGN220412T02020 KY3500	B299
TPGN220416 K68	B171
TPGN220416 KC5010	B171
TPGR110304K KC5010	B171
TPGR110308K KCU10	B171
TPGR160304K KC5010	B171
TPGR160304K KCU10	B171
TPGR160308K KC5010	B171
TPGR160308K KCP25B	B171
TPGR160308K KCU10	B171
TPGR220404K KCU10	B171
TPGR220408K KCU10	B171
TPGT090202LF KC5010	B254
TPGT090202LF KCU10	B254
TPGT090204LF KC5010	B254
TPGT090204LF KC5025	B254
TPGT090204LF KC5410	B254
TPGT090204LF KCU10	B254
TPGT110201LF KCU10	B254
TPGT110202HP KC5010	B254
TPGT110202HP KC5025	B254
TPGT110202HP KCU10	B254
TPGT110202LF KC5010	B254
TPGT110202LF KC5025	B254
TPGT110202LF KCU10	B254
TPGT110204HP KC5010	B254
TPGT110204HP KC5025	B254
TPGT110204HP KC5410	B254
TPGT110204HP KCU25	B254
TPGT110204LF KC5010	B254
TPGT110204LF KC5025	B254
TPGT110204LF KC5410	B254
TPGT110204LF KCU10	B254
TPGT110208HP KC5010	B254
TPGT110208HP KC5410	B254
TPGT110208LF KC5010	B254
TPGT110208LF KCU10	B254
TPGT16T302HP KC5010	B254
TPGT16T302HP KCU10	B254
TPGT16T304HP KC5010	B254
TPGT16T304HP KC5025	B254
TPGT16T304HP KC5410	B254
TPGT16T304HP KCU10	B254
TPGT16T304HP KCU25	B254
TPGT16T304LF KC5010	B254
TPGT16T304LF KC5025	B254
TPGT16T308HP KC5010	B254
TPGT16T308HP KC5410	B254
TPGT16T308HP KCU10	B254
TPGT16T308HP KCU25	B254
TPGT16T308LF KC5010	B254
TPGT16T308LF KC5410	B254
TPGT16T308LF KCU10	B254
TPGW110202S01015MT KBH20	B321
TPGW110204EC KB1345	B291
TPGW110204FST KD1400	B349
TPGW110204FST KD1425	B349
TPGW110204S01015MT KBH20	B321
TPGW110208FST KD1400	B349
TPGW110208S01015C KB5630	B291, B321
TPGW110208S01015MT KBH20	B321
TPGW110304S01015MT KBH10	B321
TPGW110304S01225MT KBH10	B321
TPGW110308S01225MT KBH10	B321
TPGW160404S01015MT KBH10	B321
TPGW160404S01225MT KBH10	B321
TPGW160408S01015MT KBH10	B321
TPGW160408S01225MT KBH10	B321
TPGW16T304FST KD1425	B349
TPGW16T304S01015MT KBH20	B321
TPGW16T308FST KD1400	B349
TPGW16T308FST KD1425	B349
TPGW16T308S01015MT KBH20	B321
TPGW16T308S01225MT KBH20	B321
TPGX0902ZPRGD KC7015	H63
TPGX0902ZPRGD KC7140	H63
TPGX0902ZPRGD KC7315	H63
TPGX1102ZPRGD KC7015	H63
TPGX1102ZPRGD KC7140	H63
TPGX1102ZPRGD KC7315	H63
TPGX1303ZPRGD KC7015	H63
TPGX1303ZPRGD KC7140	H63
TPGX1303ZPRGD KC7315	H63
TPGX1603ZPRGD KC7015	H63
TPGX1603ZPRGD KC7140	H63
TPGX1603ZPRGD KC7315	H63
TPMR110304 KCK15B	B171
TPMR110304 KCP25B	B171
TPMR110308 KCP25B	B171
TPMR160304 KCK15B	B171
TPMR160304 KCP25B	B171
TPMR160308 KCK15B	B171
TPMR160308 KCP25B	B171
TPMR220408 KCP25B	B171
TPMT090202LF KC5010	B255
TPMT090204FP KCU10	B254
TPMT090204LF KC5010	B255
TPMT090204LF KC5025	B255
TPMT090204LF KCK05	B255
TPMT090204LF KCK15	B255
TPMT090204LF KCM15B	B255
TPMT090204LF KCP10B	B255
TPMT090204LF KCP25	B255
TPMT090204LF KCP25B	B255
TPMT090204LF KT315	B255
TPMT090208FP KCP25	B254
TPMT090208FP KCU10	B254
TPMT090208FP KCU25	B254
TPMT110202FP KCU10	B254
TPMT110202LF KC5010	B255
TPMT110202UF KCP05	B256
TPMT110204FP KCP10	B254
TPMT110204FP KCP25	B254
TPMT110204FP KCU10	B254
TPMT110204FP KCU25	B254
TPMT110204LF K313	B255
TPMT110204LF KC5010	B255
TPMT110204LF KC5025	B255
TPMT110204LF KCK15B	B255
TPMT110204LF KCK20	B255
TPMT110204LF KCM15	B255
TPMT110204LF KCM25B	B255
TPMT110204LF KCP10	B255
TPMT110204LF KCP10B	B255
TPMT110204LF KCP25	B255
TPMT110204LF KCP25B	B255
TPMT110204LF KT315	B255
TPMT110204UF KC5010	B256
TPMT110204UF KCP05	B256
TPMT110208FP KCU10	B254
TPMT110208LF KC5010	B255
TPMT110208LF KC5025	B255
TPMT110208LF KCM25	B255
TPMT110208LF KCP10B	B255
TPMT110208LF KCP25	B255
TPMT110208LF KCP25B	B255
TPMT110208LF KT315	B255
TPMT110208MF KCK15	B255
TPMT110208MF KCK20	B255
TPMT110208MF KCM25	B255
TPMT110208MF KCP25	B255
TPMT110208MF KCP25B	B255
TPMT110208MP KCP25	B255
TPMT110304FP KCP10B	B254
TPMT110304FP KCU10	B254
TPMT110304FP KCU25	B254
TPMT110308FP KCU10	B254
TPMT16T304FP KCK20	B254
TPMT16T304FP KCM25	B254
TPMT16T304FP KCP10	B254
TPMT16T304FP KCP25	B254
TPMT16T304FP KCU10	B254
TPMT16T304FP KCU25	B254
TPMT16T304LF KC5010	B255
TPMT16T304LF KC5025	B255
TPMT16T304LF KCK05	B255
TPMT16T304LF KCK15	B255
TPMT16T304LF KCM15	B255
TPMT16T304LF KCM25B	B255
TPMT16T304LF KCP10	B255
TPMT16T304LF KCP10B	B255
TPMT16T304LF KCP25	B255
TPMT16T304LF KCP25B	B255
TPMT16T304LF KT315	B255
TPMT16T308FP KCP10	B254
TPMT16T308FP KCP25	B254
TPMT16T308FP KCU25	B254
TPMT16T308LF KC5010	B255
TPMT16T308LF KC5025	B255
TPMT16T308LF KCK05	B255
TPMT16T308LF KCK15	B255
TPMT16T308LF KCK15B	B255
TPMT16T308LF KCK20	B255
TPMT16T308LF KCK20B	B255
TPMT16T308LF KCM25	B255
TPMT16T308LF KCP10B	B255
TPMT16T308LF KCP25	B255
TPMT16T308LF KCP25B	B255
TPMT16T308LF KT315	B255
TPMT16T308MF KCK15	B255
TPMT16T308MF KCK20	B255
TPMT16T308MF KCM15	B255
TPMT16T308MF KCM25B	B255
TPMT16T308MF KCP10	B255
TPMT16T308MF KCP25	B255
TPMT16T308MF KCP30	B255
TPMT16T308MP KCK20B	B255
TPMT16T308MP KCP25	B255
TPMT16T308UF KCP10	B256
TPMT16T312MF KCK15	B255
TPMT16T312MF KCK20	B255
TPMT16T312MF KCK20B	B255
TPMT16T312MF KCP25	B255
TPMT16T312MP KCP25	B255
TPMT220408LF KC5010	B255
TPMT220408LF KC5025	B255
TPMT220408LF KCK20	B255
TPUN110304 K68	B171
TPUN110304 KCK15B	B171
TPUN110304T00520 KY1615	B321
TPUN110308 K68	B171
TPUN110308 KCK15B	B171
TPUN110308T00520 KY1615	B321
TPUN160304 K68	B171
TPUN160304 KCK15B	B171
TPUN160304 KCP25B	B171
TPUN160304T00520 KY1615	B321
TPUN160308 K68	B171
TPUN160308 KCK15B	B171
TPUN160308 KCP25B	B171
TPUN160308T00520 KY1615	B321
TPUN160312T00520 KY1615	B321
TPUN220408 K68	B171
TPUN220408 KCK15B	B171
TPUN220408 KCP25B	B171
TPUN220412 K68	B171
TPUN220412 KCK15B	B171
TPUN220412 KCP25B	B171
TRAOL2525M06	E65
TRAOR2525M04	E65
TRAOR2525M06	E65
TRAOR3225P06	E65
TRM50L0432M	E65
TRM50L0620M	E65
TRM50L0632M	E65
TRM50L0640M	E65
TRM50L0920M	E65
TRM50L0932M	E65
TRM50L0950M	E65
TRM50R0432M	E65
TRM50R0620M	E65
TRM50R0632M	E65
TRM50R0640M	E65
TRM50R0720M	E65
TRM50R0920M	E65
TRM50R0932M	E65
TRM50R0940M	E65
TRM50R0950M	E65
TT15	K38–39, T109
TT25	K38–39, V82, W40–43
TT30	K38–39, W41
TTP15	S46–48, U40–49
TTP20	S53, V153–154
TTP25	S25
TTP9	U27–35
TWDL10TM	058
TWDL12TM	058
TWDL16TM	058
TWDL20TM	058
TWDL25TM	058
TWDL32TM	058
TWDLTM	058
TWTMBC	058
TWTMEXT	058
TWTMINSERTDL10	058
TWTMINSERTDL10W	058
TWTMINSERTDL12	058
TWTMINSERTDL12W	058
TWTMINSERTDL16	058
TWTMINSERTDL20	058
TWTMINSERTDL25	058
TWTMINSERTDL32	058
UADE0400A4BV KCPM15	P17
UADE0400B4BV KCPM15	P17
UADE0500A4BV KCPM15	P17
UADE0500B4BV KCPM15	P17
UADE0600A4AL KCPM15	P20
UADE0600A4BV KCPM15	P17
UADE0600B4AL KCPM15	P20
UADE0600B4BV KCPM15	P17
UADE0800A4AL KCPM15	P20
UADE0800A4BV KCPM15	P17
UADE0800B4AL KCPM15	P20
UADE0800B4BV KCPM15	P17
UADE1000A4AL KCPM15	P20
UADE1000A4BV KCPM15	P17
UADE1000B4AL KCPM15	P20
UADE1000B4BV KCPM15	P17
UADE1200A4AL KCPM15	P20
UADE1200A4BV KCPM15	P17
UADE1200B4AL KCPM15	P20
UADE1200B4BV KCPM15	P17
UADE1400A4BV KCPM15	P17
UADE1400B4BV KCPM15	P17
UADE1600A4AL KCPM15	P20
UADE1600A4BV KCPM15	P17
UADE1600B4AL KCPM15	P20
UADE1600B4BV KCPM15	P17
UADE2000A4AL KCPM15	P20
UADE2000A4BV KCPM15	P17
UADE2000B4AL KCPM15	P20
UADE2000B4BV KCPM15	P17
UADE2500A4BV KCPM15	P17
UADE2500B4BV KCPM15	P17
UBDE1200E4AQE KCSM15	P18
UBDE1200E4AQG KCSM15	P18

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
UBDE1200E4AQK KCSM15	P18
UBDE1200E4AQM KCSM15	P18
UBDE1200E4AQN KCSM15	P18
UBDE1600E4AQE KCSM15	P18
UBDE1600E4AQG KCSM15	P18
UBDE1600E4AQK KCSM15	P18
UBDE1600E4AQM KCSM15	P18
UBDE1600E4AQN KCSM15	P18
UBDE1600E4AQP KCSM15	P18
UBDE2000E4AQE KCSM15	P18
UBDE2000E4AQG KCSM15	P18
UBDE2000E4AQK KCSM15	P18
UBDE2000E4AQM KCSM15	P18
UBDE2000E4AQN KCSM15	P18
UBDE2000E4AQP KCSM15	P18
UBDE2500E4AQE KCSM15	P18
UBDE2500E4AQG KCSM15	P18
UBDE2500E4AQK KCSM15	P18
UBDE2500E4AQM KCSM15	P18
UBDE2500E4AQN KCSM15	P18
UBDE2500E4AQP KCSM15	P18
UCDE0400A5ARA KC643M	P30
UCDE0400A5ARA KCPM15	P30
UCDE0400A5ASA KC643M	P30
UCDE0400A5ASA KCPM15	P30
UCDE0400B5ARA KC643M	P30
UCDE0400B5ARA KCPM15	P30
UCDE0500A5ARA KC643M	P30
UCDE0500A5ARA KCPM15	P30
UCDE0500A5ASA KC643M	P30
UCDE0500A5ASA KCPM15	P30
UCDE0500B5ARA KC643M	P30
UCDE0500B5ARA KCPM15	P30
UCDE0600A5ARA KC643M	P30
UCDE0600A5ARA KCPM15	P30
UCDE0600A5ASA KC643M	P30
UCDE0600A5ASA KCPM15	P30
UCDE0600B5ARA KC643M	P30
UCDE0600B5ARA KCPM15	P30
UCDE0700A5ARA KC643M	P30
UCDE0700A5ARA KCPM15	P30
UCDE0700A5ASA KC643M	P30
UCDE0700A5ASA KCPM15	P30
UCDE0700B5ARA KC643M	P30
UCDE0700B5ARA KCPM15	P30
UCDE0800A5ARA KC643M	P30
UCDE0800A5ARA KCPM15	P30
UCDE0800A5ASA KC643M	P30
UCDE0800A5ASA KCPM15	P30
UCDE0800B5ARA KC643M	P30
UCDE0800B5ARA KCPM15	P30
UCDE0900A5ARA KC643M	P30
UCDE0900A5ARA KCPM15	P30
UCDE0900A5ASA KC643M	P30
UCDE0900A5ASA KCPM15	P30
UCDE0900B5ARA KC643M	P30
UCDE0900B5ARA KCPM15	P30
UCDE1000A5ARA KC643M	P30
UCDE1000A5ARA KCPM15	P30
UCDE1000A5ASA KC643M	P30
UCDE1000A5ASA KCPM15	P30
UCDE1000B5ARA KC643M	P30
UCDE1000B5ARA KCPM15	P30
UCDE1200A5ARA KC643M	P30
UCDE1200A5ARA KCPM15	P30
UCDE1200A5ASA KC643M	P30
UCDE1200A5ASA KCPM15	P30
UCDE1200B5ARA KC643M	P30
UCDE1200B5ARA KCPM15	P30
UCDE1400A5ARA KC643M	P30
UCDE1400A5ARA KCPM15	P30
UCDE1400A5ASA KC643M	P30
UCDE1400A5ASA KCPM15	P30
UCDE1400B5ARA KC643M	P30
UCDE1400B5ARA KCPM15	P30
UCDE1600A5ARA KC643M	P30
UCDE1600A5ARA KCPM15	P30
UCDE1600A5ASA KC643M	P30
UCDE1600A5ASA KCPM15	P30
UCDE1600B5ARA KC643M	P30
UCDE1600B5ARA KCPM15	P30
UCDE1800A5ARA KC643M	P30

Catalogue No.	Page(s)
UCDE1800A5ARA KCPM15	P30
UCDE1800A5ASA KC643M	P30
UCDE1800A5ASA KCPM15	P30
UCDE1800B5ARA KC643M	P30
UCDE1800B5ARA KCPM15	P30
UCDE2000A5ARA KC643M	P30
UCDE2000A5ARA KCPM15	P30
UCDE2000A5ASA KC643M	P30
UCDE2000A5ASA KCPM15	P30
UCDE2000B5ARA KC643M	P30
UCDE2000B5ARA KCPM15	P30
UCDE2500A5ARA KC643M	P30
UCDE2500A5ARA KCPM15	P30
UCDE2500A5ASA KC643M	P30
UCDE2500A5ASA KCPM15	P30
UCDE2500B5ARA KC643M	P30
UCDE2500B5ARA KCPM15	P30
UCDV1000X5CV KCPM15	012
UCDV1200X5CV KCPM15	012
UCDV1600X5CV KCPM15	012
UCDV2000X5CV KCPM15	012
UCDV2500X5CV KCPM15	012
UCDV3200X5CV KCPM15	012
UDDE0600A5ARA KC643M	P31
UDDE0600A5ARB KC643M	P31
UDDE0600A5ARC KC643M	P31
UDDE0600A5ASA KC643M	P31
UDDE0600B5ARA KC643M	P31
UDDE0600B5ARB KC643M	P31
UDDE0600B5ARC KC643M	P31
UDDE0600B5ARD KC643M	P31
UDDE0800A5ARA KC643M	P31
UDDE0800A5ARB KC643M	P31
UDDE0800A5ARC KC643M	P31
UDDE0800A5ASA KC643M	P31
UDDE0800B5ARA KC643M	P31
UDDE0800B5ARB KC643M	P31
UDDE0800B5ARC KC643M	P31
UDDE0800B5ARD KC643M	P31
UDDE1000A5ARA KC643M	P31
UDDE1000A5ARB KC643M	P31
UDDE1000A5ARC KC643M	P31
UDDE1000A5ARD KC643M	P31
UDDE1000A5ASA KC643M	P31
UDDE1000B5ARA KC643M	P31
UDDE1000B5ARB KC643M	P31
UDDE1000B5ARC KC643M	P31
UDDE1000B5ARD KC643M	P31
UDDE1200A5ARA KC643M	P31
UDDE1200A5ARB KC643M	P31
UDDE1200A5ARC KC643M	P31
UDDE1200A5ARD KC643M	P31
UDDE1200A5ASA KC643M	P31
UDDE1200B5ARA KC643M	P31
UDDE1200B5ARB KC643M	P31
UDDE1200B5ARC KC643M	P31
UDDE1200B5ARD KC643M	P31
UDDE1200E5AQE KCSM15	P31
UDDE1200E5AQG KCSM15	P31
UDDE1200E5AQK KCSM15	P31
UDDE1200E5AQM KCSM15	P31
UDDE1400A5ARA KC643M	P31
UDDE1400A5ARC KC643M	P31
UDDE1400A5ARD KC643M	P31
UDDE1400A5ASA KC643M	P31
UDDE1400B5ARB KC643M	P31
UDDE1600A5ARA KC643M	P31
UDDE1600A5ARB KC643M	P31
UDDE1600A5ARC KC643M	P31
UDDE1600A5ARD KC643M	P32
UDDE1600A5ARE KC643M	P32
UDDE1600A5ARP KC643M	P32
UDDE1600A5ASA KC643M	P32
UDDE1600B5ARA KC643M	P31
UDDE1600B5ARB KC643M	P31
UDDE1600B5ARC KC643M	P31
UDDE1600B5ARD KC643M	P32
UDDE1600B5ARE KC643M	P32
UDDE1600B5ARP KC643M	P32
UDDE1600E5AQE KCSM15	P31
UDDE1600E5AQG KCSM15	P31
UDDE1600E5AQK KCSM15	P31

Catalogue No.	Page(s)
UDDE1600E5AQM KCSM15	P32
UDDE1600E5AQN KCSM15	P32
UDDE1600E5AQP KCSM15	P32
UDDE2000A5ARA KC643M	P32
UDDE2000A5ARB KC643M	P32
UDDE2000A5ARC KC643M	P32
UDDE2000A5ARD KC643M	P32
UDDE2000A5ARE KC643M	P32
UDDE2000A5ARP KC643M	P32
UDDE2000A5ASA KC643M	P32
UDDE2000B5ARA KC643M	P32
UDDE2000B5ARB KC643M	P32
UDDE2000B5ARC KC643M	P32
UDDE2000B5ARD KC643M	P32
UDDE2000B5ARE KC643M	P32
UDDE2000B5ARP KC643M	P32
UDDE2000E5AQE KCSM15	P32
UDDE2000E5AQG KCSM15	P32
UDDE2000E5AQK KCSM15	P32
UDDE2000E5AQM KCSM15	P32
UDDE2000E5AQN KCSM15	P32
UDDE2000E5AQP KCSM15	P32
UDDE2500A5ARA KC643M	P32
UDDE2500A5ARB KC643M	P32
UDDE2500A5ARC KC643M	P32
UDDE2500A5ARD KC643M	P32
UDDE2500A5ARE KC643M	P32
UDDE2500A5ARP KC643M	P32
UDDE2500A5ASA KC643M	P32
UDDE2500B5ARA KC643M	P32
UDDE2500B5ARB KC643M	P32
UDDE2500B5ARC KC643M	P32
UDDE2500B5ARD KC643M	P32
UDDE2500B5ARE KC643M	P32
UDDE2500B5ARP KC643M	P32
UDDE2500E5AQE KCSM15	P32
UDDE2500E5AQG KCSM15	P32
UDDE2500E5AQK KCSM15	P32
UDDE2500E5AQM KCSM15	P32
UDDE2500E5AQN KCSM15	P32
UDDE2500E5AQP KCSM15	P32
UDDV1000X5CQE KC643M	013
UDDV1000X5CQG KC643M	013
UDDV1000X5CQJ KC643M	013
UDDV1200X5CQE KC643M	013
UDDV1200X5CQG KC643M	013
UDDV1200X5CQJ KC643M	013
UDDV1200X5CQL KC643M	013
UDDV1600X5CQG KC643M	013
UDDV1600X5CQJ KC643M	013
UDDV1600X5CQK KC643M	013
UDDV1600X5CQL KC643M	013
UDDV1600X5CQM KC643M	013
UDDV2000X5CQG KC643M	013
UDDV2000X5CQK KC643M	013
UDDV2000X5CQL KC643M	013
UDDV2000X5CQM KC643M	013
UDDV2000X5CQN KC643M	013
UDDV2500X5CQL KC643M	013
UDDV2500X5CQN KC643M	013
UDDV3200X5CQL KC643M	013
UDDV3200X5CQN KC643M	013
UEBC0200A2A KC643M	P194
UEBC0300A2A KC643M	P194
UEBC0400A2A KC643M	P194
UEBC0500A2A KC643M	P194
UEBC0600A2A KC643M	P194
UEBC0800A2A KC643M	P194
UEBC1000A2A KC643M	P194
UEBC1200A2A KC643M	P194
UEBE0200A3A KC643M	P195
UEBE0300A3A KC643M	P195
UEBE0400A3A KC643M	P195
UEBE0500A3A KC643M	P195
UEBE0600A3A KC643M	P195
UEBE0800A3A KC643M	P195
UEBE1000A3A KC643M	P195
UEBE1200A3A KC643M	P195
UEDE0200A3AS KC643M	P192
UEDE0200B3AS KC643M	P192
UEDE0300A3AS KC643M	P192
UEDE0300B3AS KC643M	P192

Catalogue No.	Page(s)
UEDE0400A3AS KC643M	P192
UEDE0400A4AH KC643M	P193
UEDE0400B3AS KC643M	P192
UEDE0400B4AH KC643M	P193
UEDE0500A3AS KC643M	P192
UEDE0500B3AS KC643M	P192
UEDE0600A3AS KC643M	P192
UEDE0600A4AH KC643M	P193
UEDE0600B3AS KC643M	P192
UEDE0600B4AH KC643M	P193
UEDE0800A3AS KC643M	P192
UEDE0800A4AH KC643M	P193
UEDE0800B3AS KC643M	P192
UEDE0800B4AH KC643M	P193
UEDE1000A3AS KC643M	P192
UEDE1000A4AH KC643M	P193
UEDE1000B3AS KC643M	P192
UEDE1000B4AH KC643M	P193
UEDE1200A3AS KC643M	P192
UEDE1200A4AH KC643M	P193
UEDE1200B3AS KC643M	P192
UEDE1200B4AH KC643M	P193
UGDE0600A5ARA KC643M	P36
UGDE0600A5ARB KC643M	P36
UGDE0600A5ARC KC643M	P36
UGDE0600A5BRA KC643M	P37
UGDE0600A5BRB KC643M	P37
UGDE0600A5BRC KC643M	P37
UGDE0800A5ARA KC643M	P36
UGDE0800A5ARB KC643M	P36
UGDE0800A5ARC KC643M	P36
UGDE0800A5BRA KC643M	P37
UGDE0800A5BRB KC643M	P37
UGDE0800A5BRC KC643M	P37
UGDE1000A5ARA KC643M	P36
UGDE1000A5ARB KC643M	P36
UGDE1000A5ARC KC643M	P36
UGDE1000A5ARD KC643M	P36
UGDE1000A5BRA KC643M	P37
UGDE1000A5BRB KC643M	P37
UGDE1000A5BRC KC643M	P37
UGDE1000A5BRD KC643M	P37
UGDE1200A5ARA KC643M	P36
UGDE1200A5ARB KC643M	P36
UGDE1200A5ARC KC643M	P36
UGDE1200A5ARD KC643M	P36
UGDE1200A5BRA KC643M	P37
UGDE1200A5BRB KC643M	P37
UGDE1200A5BRC KC643M	P37
UGDE1200A5BRD KC643M	P37
UGDE1400A5ARD KC643M	P36
UGDE1400A5BRD KC643M	P37
UGDE1600A5ARA KC643M	P36
UGDE1600A5ARB KC643M	P36
UGDE1600A5ARC KC643M	P36
UGDE1600A5ARD KC643M	P36
UGDE1600A5ARE KC643M	P36
UGDE1600A5ARP KC643M	P36
UGDE1600A5BRA KC643M	P37
UGDE1600A5BRB KC643M	P37
UGDE1600A5BRC KC643M	P37
UGDE1600A5BRD KC643M	P37
UGDE1600A5BRE KC643M	P37
UGDE1600A5BRP KC643M	P37
UGDE2000A5ARA KC643M	P36
UGDE2000A5ARB KC643M	P36
UGDE2000A5ARC KC643M	P36
UGDE2000A5ARD KC643M	P36
UGDE2000A5ARE KC643M	P36
UGDE2000A5ARP KC643M	P36
UGDE2000A5BRA KC643M	P37
UGDE2000A5BRB KC643M	P37
UGDE2000A5BRC KC643M	P37
UGDE2000A5BRD KC643M	P37
UGDE2000A5BRE KC643M	P37
UGDE2000A5BRP KC643M	P37
UGDE2500A5ARA KC643M	P36
UGDE2500A5ARB KC643M	P36
UGDE2500A5ARC KC643M	P36
UGDE2500A5ARD KC643M	P36
UGDE2500A5ARE KC643M	P36
UGDE2500A5ARP KC643M	P36

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
UGDE2500A5BRA KC643M	P37
UGDE2500A5BRB KC643M	P37
UGDE2500A5BRC KC643M	P37
UGDE2500A5BRD KC643M	P37
UGDE2500A5BRE KC643M	P37
UGDE2500A5BRP KC643M	P37
UJBE0400A6BP KCSM15	P62
UJBE0400A6CP KCSM15	P62
UJBE0500A6BP KCSM15	P62
UJBE0500A6CP KCSM15	P62
UJBE0600A6BP KCSM15	P62
UJBE0600A6CP KCSM15	P62
UJBE0700A6BP KCSM15	P62
UJBE0700A6CP KCSM15	P62
UJBE0800A6BP KCSM15	P62
UJBE0800A6CP KCSM15	P62
UJBE1000A6AL KCSM15	P54
UJBE1000A6AN KCSM15	P54
UJBE1000A6BP KCSM15	P62
UJBE1000A6CP KCSM15	P62
UJBE1200A6AL KCSM15	P54
UJBE1200A6AN KCSM15	P54
UJBE1600A6AL KCSM15	P54
UJBE1600A6AN KCSM15	P54
UJBE2000A6AL KCSM15	P54
UJBE2000A6AN KCSM15	P54
UJBV1000X6CN KCSM15	019
UJBV1200X6CN KCSM15	019
UJBV1600X6CN KCSM15	019
UJBV2000X6CN KCSM15	019
UJBV2500X6CN KCSM15	019
UJDE1000A6ANS KCSM15	P49
UJDE1000A6AQE KCSM15	P49
UJDE1000A6AQG KCSM15	P49
UJDE1000A6AQK KCSM15	P49
UJDE1000A6AQM KCSM15	P49
UJDE1000A6ARE KCSM15	P48
UJDE1000A6AS KCSM15	P48
UJDE1200A6ANS KCSM15	P49
UJDE1200A6AQE KCSM15	P49
UJDE1200A6AQG KCSM15	P49
UJDE1200A6AQK KCSM15	P49
UJDE1200A6AQM KCSM15	P49
UJDE1200A6ARF KCSM15	P48
UJDE1200A6AS KCSM15	P48
UJDE1200E6AQE KCSM15	P49
UJDE1200E6AQG KCSM15	P49
UJDE1200E6AQK KCSM15	P49
UJDE1200E6AQM KCSM15	P49
UJDE1200E6ARF KCSM15	P48
UJDE1400A6ARF KCSM15	P48
UJDE1400A6AS KCSM15	P48
UJDE1400E6ARF KCSM15	P48
UJDE1600A6ANS KCSM15	P49
UJDE1600A6AQE KCSM15	P49
UJDE1600A6AQG KCSM15	P49
UJDE1600A6AQK KCSM15	P49
UJDE1600A6AQM KCSM15	P49
UJDE1600A6AQN KCSM15	P49
UJDE1600A6AQP KCSM15	P49
UJDE1600A6ARF KCSM15	P48
UJDE1600A6AS KCSM15	P48
UJDE1600E6AQE KCSM15	P49
UJDE1600E6AQG KCSM15	P49
UJDE1600E6AQK KCSM15	P49
UJDE1600E6AQM KCSM15	P49
UJDE1600E6AQN KCSM15	P49
UJDE1600E6ARF KCSM15	P48
UJDE2000A6ANS KCSM15	P49
UJDE2000A6AQE KCSM15	P49
UJDE2000A6AQG KCSM15	P49
UJDE2000A6AQK KCSM15	P49
UJDE2000A6AQM KCSM15	P49
UJDE2000A6AQN KCSM15	P49
UJDE2000A6AQP KCSM15	P49
UJDE2000A6ARF KCSM15	P48
UJDE2000A6AS KCSM15	P48
UJDE2000E6AQE KCSM15	P49
UJDE2000E6AQG KCSM15	P49
UJDE2000E6AQK KCSM15	P49
UJDE2000E6AQM KCSM15	P49
UJDE2000E6AQN KCSM15	P49
UJDE2000E6ARF KCSM15	P48
UJDE2500A6AQE KCSM15	P49
UJDE2500A6AQG KCSM15	P49
UJDE2500A6AQK KCSM15	P49
UJDE2500A6AQM KCSM15	P49
UJDE2500A6AQN KCSM15	P49
UJDE2500A6AQP KCSM15	P49
UJDE2500A6ARF KCSM15	P48
UJDE2500A6AS KCSM15	P48
UJDE2500E6AQE KCSM15	P49
UJDE2500E6AQG KCSM15	P49
UJDE2500E6AQK KCSM15	P49
UJDE2500E6AQM KCSM15	P49
UJDE2500E6AQN KCSM15	P49
UJDE2500E6ARF KCSM15	P48
UJDV1000X6CQE KCSM15	016
UJDV1000X6CQG KCSM15	016
UJDV1000X6CQJ KCSM15	016
UJDV1200X6CQE KCSM15	016
UJDV1200X6CQG KCSM15	016
UJDV1200X6CQJ KCSM15	016
UJDV1200X6CQL KCSM15	016
UJDV1600X6CQG KCSM15	016
UJDV1600X6CQJ KCSM15	016
UJDV1600X6CQK KCSM15	016
UJDV1600X6CQL KCSM15	016
UJDV1600X6CQM KCSM15	016
UJDV2000X6CQG KCSM15	016
UJDV2000X6CQK KCSM15	016
UJDV2000X6CQL KCSM15	016
UJDV2000X6CQM KCSM15	016
UJDV2000X6CQN KCSM15	016
UJDV2500X6CQL KCSM15	016
UJDV2500X6CQN KCSM15	016
UJDV3200X6CQL KCSM15	016
UJDV3200X6CQN KCSM15	016
UKBV1000X4CN KCPM15	018
UKBV1200X4CN KCPM15	018
UKBV1600X4CN KCPM15	018
UKBV2000X4CN KCPM15	018
UKBV2500X4CN KCPM15	018
UKDV1000X4CV KCPM15	08
UKDV1200X4CV KCPM15	08
UKDV1600X4CV KCPM15	08
UKDV2000X4CV KCPM15	08
UKDV2500X4CV KCPM15	08
UKDV3200X4CV KCPM15	08
ULDV1000X4CQE KCSM15	09
ULDV1000X4CQG KCSM15	09
ULDV1000X4CQJ KCSM15	09
ULDV1200X4CQE KCSM15	09
ULDV1200X4CQG KCSM15	09
ULDV1200X4CQJ KCSM15	09
ULDV1200X4CQL KCSM15	09
ULDV1600X4CQG KCSM15	09
ULDV1600X4CQJ KCSM15	09
ULDV1600X4CQK KCSM15	09
ULDV1600X4CQL KCSM15	09
ULDV1600X4CQM KCSM15	09
ULDV2000X4CQG KCSM15	09
ULDV2000X4CQK KCSM15	09
ULDV2000X4CQL KCSM15	09
ULDV2000X4CQM KCSM15	09
ULDV2000X4CQN KCSM15	09
ULDV2500X4CQL KCSM15	09
ULDV2500X4CQN KCSM15	09
ULDV3200X4CQL KCSM15	09
ULDV3200X4CQN KCSM15	09
VBGT110301LF KC5010	B264
VBGT110301LF KC5025	B264
VBGT110301LF KC5410	B264
VBGT110301LF KCU10	B264
VBGT110302HP KC5010	B264
VBGT110302HP KC5025	B264
VBGT110302HP KC5410	B264
VBGT110302HP KCU10	B264
VBGT110302LF K68	B264
VBGT110302LF KC5010	B264
VBGT110302LF KC5025	B264
VBGT110302LF KCU10	B264
VBGT110304HP KC5010	B264
VBGT110304HP KC5025	B264
VBGT110304HP KC5410	B264
VBGT110304HP KCU10	B264
VBGT110304HP KCU25	B264
VBGT110304LF K313	B264
VBGT110304LF KC5010	B264
VBGT110304LF KC5025	B264
VBGT110304LF KCU10	B264
VBGT1103X0LF KC5025	B264
VBGT160401LF KC5010	B264
VBGT160401LF KC5025	B264
VBGT160401LF KCU10	B264
VBGT160402LF K313	B264
VBGT160402LF KC5010	B264
VBGT160402LF KC5025	B264
VBGT160402LF KC5410	B264
VBGT160402LF KCU10	B264
VBGT160404HP K313	B264
VBGT160404HP K68	B264
VBGT160404HP KC5010	B264
VBGT160404HP KC5025	B264
VBGT160404HP KC5410	B264
VBGT160404HP KCU10	B264
VBGT160404HP KCU25	B264
VBGT160404LF KC5010	B264
VBGT160404LF KC5025	B264
VBGT160404LF KC5410	B264
VBGT160404LF KCU10	B264
VBGT160408HP K313	B264
VBGT160408HP KC5010	B264
VBGT160408HP KC5025	B264
VBGT160408HP KC5410	B264
VBGT160408HP KCU10	B264
VBGT160408HP KCU25	B264
VBGT1604X0LF KC5025	B264
VBGW110304FST KD1400	B350
VBGW110304FST KD1425	B350
VBGW110304S01015MT KBH10	B322
VBGW110304S01015MT KBH20	B322
VBGW110304S01225MT KBH20	B322
VBGW110308S01015MT KBH10	B322
VBGW110308S01225MT KBH20	B322
VBGW160404FST KD1400	B350
VBGW160404FST KD1425	B350
VBGW160404S01015MT KB5630	B292, B322
VBGW160404S01015MT KBH10	B322
VBGW160408E KD1405	B349
VBGW160408S01015MT KB5630	B292, B322
VBGW160408S01015MT KBH10	B322
VBGW160408S01015MT KBH20	B322
VBGW160412S01015MT KBH20	B322
VBMR110302FP KCP25	E32
VBMR110304 KC5010	E32
VBMR110304 KC5025	E32
VBMR110304 KT315	E32
VBMR110304FP KCP10	E32
VBMR110304FP KCP25	E32
VBMR110304FP KCU25	E32
VBMR110308FP KCP10	E32
VBMR110308FP KCU10	E32
VBMT11030211 KT315	B264
VBMT110302FP KCP25	B265
VBMT110302FP KCU10	B265
VBMT110302LF KC5010	B265
VBMT110302LF KT315	B265
VBMT11030411 KT315	B264
VBMT110304FP KCM15	B265
VBMT110304FP KCM25	B265
VBMT110304FP KCP10	B265
VBMT110304FP KCP25	B265
VBMT110304FP KCU10	B265
VBMT110304FP KCU25	B265
VBMT110304FP KTP10	B265
VBMT110304LF K313	B265
VBMT110304LF KC5010	B265
VBMT110304LF KC5025	B265
VBMT110304LF KCK05	B265
VBMT110304LF KCM15	B265
VBMT110304LF KCM25B	B265
VBMT110304LF KCP05	B265
VBMT110304LF KCP10	B265
VBMT110304LF KCP10B	B265
VBMT110304LF KCP25	B265
VBMT110304LF KCP25B	B265
VBMT110304LF KT315	B265
VBMT110308FP KCM15	B265
VBMT110308FP KCP25	B265
VBMT110308FP KCU10	B265
VBMT110308FP KCU25	B265
VBMT110308LF KC5010	B265
VBMT110308LF KC5025	B265
VBMT110308LF KCK05	B265
VBMT110308LF KCK20B	B265
VBMT110308LF KCM25	B265
VBMT110308LF KCP05	B265
VBMT110308LF KCP10	B265
VBMT110308LF KCP25	B265
VBMT110308LF KCP25B	B265
VBMT160402FP KCM25	B265
VBMT160402FP KCP25	B265
VBMT160402FP KCU10	B265
VBMT160402FP KCU25	B265
VBMT160402FP KTP10	B265
VBMT160402LF K313	B265
VBMT160402LF KC5010	B265
VBMT160402LF KC5025	B265
VBMT160402LF KT315	B265
VBMT16040411 KT315	B264
VBMT160404FP KCK20B	B265
VBMT160404FP KCM15	B265
VBMT160404FP KCM25	B265
VBMT160404FP KCP05	B265
VBMT160404FP KCP10	B265
VBMT160404FP KCP10B	B265
VBMT160404FP KCP25	B265
VBMT160404FP KCP25B	B265
VBMT160404FP KCU10	B265
VBMT160404FP KCU25	B265
VBMT160404FP KTP10	B265
VBMT160404LF K313	B265
VBMT160404LF KC5010	B265
VBMT160404LF KC5025	B265
VBMT160404LF KCK15	B265
VBMT160404LF KCK15B	B265
VBMT160404LF KCK20B	B265
VBMT160404LF KCM15	B265
VBMT160404LF KCM15B	B265
VBMT160404LF KCM25	B265
VBMT160404LF KCM25B	B265
VBMT160404LF KCM35	B265
VBMT160404LF KCP10	B265
VBMT160404LF KCP10B	B265
VBMT160404LF KCP25	B265
VBMT160404LF KCP25B	B265
VBMT160404LF KCP30	B265
VBMT160404LF KT315	B265
VBMT160404MP KCM25	B265
VBMT160404MP KCM25B	B265
VBMT160404MP KCP25	B265
VBMT160404MP KCP25B	B265
VBMT16040811 KT315	B264
VBMT160408FP KCK20	B265
VBMT160408FP KCK20B	B265
VBMT160408FP KCM15	B265
VBMT160408FP KCM25	B265
VBMT160408FP KCP05	B265
VBMT160408FP KCP10	B265
VBMT160408FP KCP10B	B265
VBMT160408FP KCP25	B265
VBMT160408FP KCP25B	B265
VBMT160408FP KCU10	B265
VBMT160408FP KCU25	B265
VBMT160408FP KTP10	B265
VBMT160408LF K313	B265
VBMT160408LF KC5010	B265
VBMT160408LF KC5025	B265
VBMT160408LF KCK05	B265
VBMT160408LF KCK15	B265
VBMT160408LF KCK15B	B265
VBMT160408LF KCK20	B265
VBMT160408LF KCM15	B265
VBMT160408LF KCM15B	B265
VBMT160408LF KCM25	B265
VBMT160408LF KCM25B	B265
VBMT160408LF KCM35	B265

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
VBMT160408LF KCP05	B265
VBMT160408LF KCP10	B265
VBMT160408LF KCP10B	B265
VBMT160408LF KCP25	B265
VBMT160408LF KCP25B	B265
VBMT160408LF KCP30	B265
VBMT160408LF KT315	B265
VBMT160408MP KCK20	B265
VBMT160408MP KCK20B	B265
VBMT160408MP KCM25	B265
VBMT160408MP KCM25B	B265
VBMT160408MP KCP25	B265
VBMT160408MP KCP25B	B265
VBMT160412FP KCP10B	B265
VBMT160412FP KCP25	B265
VBMT160412FP KCP25B	B265
VBMT160412LF KCK05	B265
VBMT160412LF KCK20	B265
VBMT160412LF KCK20B	B265
VBMT160412LF KCP25	B265
VCGN160404 KD1425	B351, E34
VCGN160408 KD1425	B351, E34
VCGR160402 K68	E34
VCGR160402 KC5010	E34
VCGR160402 KC5025	E34
VCGR160402 KC5410	E34
VCGR160402 KCU10	E34
VCGR160402 KCU25	E34
VCGR160402FP KCP10	E35
VCGR160404 K313	E34
VCGR160404 K68	E34
VCGR160404 KC5010	E34
VCGR160404 KC5025	E34
VCGR160404 KC5410	E34
VCGR160404 KCP25	E34
VCGR160404 KCU10	E34
VCGR160404 KCU25	E34
VCGR160404 KD1425	B351, E34
VCGR160404 KT315	E34
VCGR160404FP KCM25	E35
VCGR160404FP KCP10	E35
VCGR160404FP KCP25	E35
VCGR160404FP KCU10	E35
VCGR160404HP K313	E35
VCGR160408 K313	E34
VCGR160408 K68	E34
VCGR160408 KC5010	E34
VCGR160408 KC5025	E34
VCGR160408 KC5410	E34
VCGR160408 KCP25B	E34
VCGR160408 KCU10	E34
VCGR160408 KCU25	E34
VCGR160408 KD1425	B351, E34
VCGR160408 KT315	E34
VCGR160408FP KCK05	E35
VCGR160408FP KCM25	E35
VCGR160408FP KCP10	E35
VCGR160408FP KCP25	E35
VCGR160412 K68	E34
VCGR160412 KC5010	E34
VCGR160412 KCU10	E34
VCGR160412 KCU25	E34
VCGR160412 KD1425	B351, E34
VCGR160412FP KCK05	E35
VCGR160412FP KCP10	E35
VCGR160412FP KCP25	E35
VCGR160416 KC5010	E34
VCGR160416 KCU10	E34
VCGR160416FP KCP25	E35
VCGW160404S01015MT KBH20	B322
VCGW160404S01225MT KBH20	B322
VCGW160408S01015MT KBH20	B322
VCGW160408S01225MT KBH20	B322
VCMR160404 KC5010	E33
VCMR160404 KC5025	E33
VCMR160404 KCM15B	E33
VCMR160404 KCU25	E33
VCMR160404 KT315	E33
VCMR160404FP KCM25	E33
VCMR160404FP KCP10	E33
VCMR160404FP KCP25	E33
VCMR160404FP KCU10	E33
VCMR160404FP KCU25	E33
VCMR160408 KC5010	E33
VCMR160408 KC5025	E33
VCMR160408 KCM15B	E33
VCMR160408 KCU10	E33
VCMR160408 KCU25	E33
VCMR160408 KT315	E33
VCMR160408FP KCK05	E33
VCMR160408FP KCM25	E33
VCMR160408FP KCP10	E33
VCMR160408FP KCP25	E33
VDIB1M302040C	C67
VDIB1M402544C	C67
VDIB2M302040C	C67
VDIB2M402544C	C67
VDIB3M302040C	C68
VDIB3M402544C	C68
VDIB4M302040C	C68
VDIB4M402544C	C68
VDIB5M302040C	C69
VDIB5M402544C	C69
VDIB6M302040C	C69
VDIB6M402544C	C69
VDIC1M302070C	C70
VDIC1M402585C	C70
VDIC2M302070C	C70
VDIC2M402585C	C70
VDIC3M302070C	C71
VDIC3M402585C	C71
VDIC4M302070C	C71
VDIC4M402585C	C71
VNGA160404 K68	B143
VNGA160404FST KD1400	B350
VNGA160404S01015MT KBH10	B323
VNGA160404S01015MT KBH20	B323
VNGA160404S01025MT KB5630	B292, B323
VNGA160404S01225MT KBH10	B323
VNGA160404S01225MT KBH20	B323
VNGA160404S01735MT KBH20	B323
VNGA160404T02020 KY1615	B322
VNGA160408 K68	B143
VNGA160408FST KD1400	B350
VNGA160408FST KD1425	B350
VNGA160408S01015MT KBH10	B323
VNGA160408S01015MT KBH20	B323
VNGA160408S01025MT KB5630	B292, B323
VNGA160408S01225MT KBH10	B323
VNGA160408S01225MT KBH20	B323
VNGA160408S01735MT KBH20	B323
VNGA160408T02020 KY1615	B322
VNGA160408T02020 KY3500	B294
VNGA160412S01225MT KBH20	B323
VNGA160412T02020 KY1615	B322
VNGA220408T02020 KY1615	B322
VNGA220408T02020 KYK25	B294
VNGG160401FS KCU10	B143
VNGG160402FS KC5010	B143
VNGG160402FS KCU10	B143
VNGG160402FS KCU25	B143
VNGG160402LF KC5010	B143
VNGG160402LF KCU10	B143
VNGG160404FS KC5010	B143
VNGG160404FS KC5025	B143
VNGG160404FS KCU10	B143
VNGG160404FS KCU25	B143
VNGG160404LF KC5010	B143
VNGG160404LF KCU10	B143
VNGG160408FS KC5010	B143
VNGG160408FS KC5025	B143
VNGG160408FS KCU10	B143
VNGG160408FS KCU25	B143
VNGG160408LF K313	B143
VNGG160408LF KC5010	B143
VNGG160408LF KCU10	B143
VNGG220408LF KC5010	B143
VNGG220408LF KCU10	B143
VNGM160408S01325MTCB1 KBH20	B323
VNGM160412S01325MTCB1 KBH20	B323
VNGP160401 KC5010	B143
VNGP160401 KC5410	B143
VNGP160401 KCU10	B143
VNGP160402 KC5010	B143
VNGP160402 KC5410	B143
VNGP160402 KCU10	B143
VNGP160404K K313	B144
VNGP160404K KC5010	B144
VNGP160408K K313	B144
VNGP160408K KC5010	B144
VNGP220404 KC5010	B143
VNGP220404 KCU10	B143
VNGP220408 K313	B143
VNGP220408 KC5010	B143
VNGP220408 KCU10	B143
VNGX160712T02020 KY3500	B298
VNGX160716T02020 KY3500	B298
VNMA160408 KCK05	B144
VNMA160408 KCK15	B144
VNMA160408 KCK15B	B144
VNMA160408 KCK20	B144
VNMG160401MS KC5010	B146
VNMG160401MS KCU10	B146
VNMG160401MS KCU25	B146
VNMG160402MS K313	B146
VNMG160402MS KC5010	B146
VNMG160402MS KC5025	B146
VNMG160402MS KCU10	B146
VNMG160402MS KCU25	B146
VNMG160404FF KC5010	B145
VNMG160404FF KCM15B	B145
VNMG160404FF KCP05	B145
VNMG160404FF KCP10	B145
VNMG160404FF KCP10B	B145
VNMG160404FF KCU10	B145
VNMG160404FF KT315	B145
VNMG160404FN KCK05	B145
VNMG160404FN KCK15B	B145
VNMG160404FN KCP05	B145
VNMG160404FN KCP10	B145
VNMG160404FN KCP10B	B145
VNMG160404FN KCP25	B145
VNMG160404FN KCP25B	B145
VNMG160404FN KT315	B145
VNMG160404FP KC5010	B145
VNMG160404FP KCM15	B145
VNMG160404FP KCU10	B145
VNMG160404FP KT315	B145
VNMG160404MN KCP10	B145
VNMG160404MN KCP10B	B145
VNMG160404MN KCP25	B145
VNMG160404MN KCP25B	B145
VNMG160404MN KCP30	B145
VNMG160404MP KC5010	B146
VNMG160404MP KCM15	B146
VNMG160404MP KCM15B	B146
VNMG160404MP KCM25	B146
VNMG160404MP KCM25B	B146
VNMG160404MP KCM35	B146
VNMG160404MP KCU10	B146
VNMG160404MS K313	B146
VNMG160404MS KC5010	B146
VNMG160404MS KC5025	B146
VNMG160404MS KCU10	B146
VNMG160404MS KCU25	B146
VNMG160404P KC5010	B146
VNMG160404P KCU10	B146
VNMG160404UN KCK15	B147
VNMG160404UN KCK20	B147
VNMG160404UP KC5010	B147
VNMG160404UP KCM15	B147
VNMG160404UP KCM25	B147
VNMG160408 K68	B144
VNMG160408FF KC5010	B145
VNMG160408FF KCP05	B145
VNMG160408FF KCP10	B145
VNMG160408FF KCP10B	B145
VNMG160408FF KCP25B	B145
VNMG160408FF KCU10	B145
VNMG160408FF KT315	B145
VNMG160408FN KCK05	B145
VNMG160408FN KCK15B	B145
VNMG160408FN KCP05	B145
VNMG160408FN KCP10	B145
VNMG160408FN KCP10B	B145
VNMG160408FN KCP25	B145
VNMG160408FN KCP25B	B145
VNMG160408FN KT315	B145
VNMG160408FP KC5010	B145
VNMG160408FP KCM15	B145
VNMG160408FP KCP10	B145
VNMG160408FP KCP25B	B145
VNMG160408FP KCU10	B145
VNMG160408FP KT315	B145
VNMG160408LF KCP25B	B144
VNMG160408MN KCP05	B145
VNMG160408MN KCP05B	B145
VNMG160408MN KCP10	B145
VNMG160408MN KCP10B	B145
VNMG160408MN KCP25	B145
VNMG160408MN KCP25B	B145
VNMG160408MN KCP30	B145
VNMG160408MP KC5010	B146
VNMG160408MP KCM15	B146
VNMG160408MP KCM15B	B146
VNMG160408MP KCM25	B146
VNMG160408MP KCM25B	B146
VNMG160408MP KCM35	B146
VNMG160408MP KCU10	B146
VNMG160408MR KCM15B	B146
VNMG160408MS K313	B146
VNMG160408MS KC5010	B146
VNMG160408MS KC5025	B146
VNMG160408MS KCU10	B146
VNMG160408MS KCU25	B146
VNMG160408P K313	B146
VNMG160408P KC5010	B146
VNMG160408P KCU10	B146
VNMG160408RN KCP10	B147
VNMG160408RN KCP10B	B147
VNMG160408RN KCP25	B147
VNMG160408RN KCP25B	B147
VNMG160408RP KC5010	B147
VNMG160408RP KC5025	B147
VNMG160408RP KCK15	B147
VNMG160408RP KCK20B	B147
VNMG160408RP KCM15	B147
VNMG160408RP KCP10	B147
VNMG160408RP KCP25	B147
VNMG160408RP KCU10	B147
VNMG160408RP KCU25	B147
VNMG160408UN KCK05B	B147
VNMG160408UN KCK15	B147
VNMG160408UN KCK15B	B147
VNMG160408UN KCK20	B147
VNMG160408UP KC5010	B147
VNMG160408UP KCM15	B147
VNMG160408UP KCM25	B147
VNMG160408UP KCU10	B147
VNMG160412 K68	B144
VNMG160412MN KCP10	B145
VNMG160412MN KCP25	B145
VNMG160412MN KCP25B	B145
VNMG160412MN KCP30	B145
VNMG160412MP KC5010	B146
VNMG160412MP KCM15B	B146
VNMG160412MP KCU10	B146
VNMG160412MR KCM15	B146
VNMG160412RN KCP10	B147
VNMG160412RN KCP25	B147
VNMG160412RN KCP25B	B147
VNMG160412RP KCK15	B147
VNMG160412RP KCK15B	B147
VNMG160412RP KCK20	B147
VNMG160412RP KCM25	B147
VNMG160412RP KCP10	B147
VNMG160412RP KCP25	B147
VNMG160412RP KCU10	B147
VNMG160412RP KCU25	B147
VNMG160412UP KCM15	B147
VNMG220404LF KCP25B	B144
VNMG220404MS KC5010	B146
VNMG220404MS KCU10	B146
VNMG220404MS KCU25	B146
VNMG220408 K68	B144
VNMG220408LF KCP25B	B144
VNMG220408MS KC5010	B146
VNMG220408MS KC5025	B146

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
VNMG220408MS KCU10	B146
VNMG220408MS KCU25	B146
VNMG220408RN KCP10	B147
VNMG220408RN KCP10B	B147
VNMG220408RN KCP25	B147
VNMG220408RN KCP25B	B147
VNMG220408RN KCP30	B147
VNMG220408RN KCP40	B147
VNMG220412 K68	B144
VNMG220412RN KCP10	B147
VNMG220412RN KCP25	B147
VNMG220412RN KCP30	B147
VNMP160404 K313	B148
VNMP160404 K68	B148
VNMP160404K K68	B148
VNMP160404K KCP10B	B148
VNMP160404K KCP25	B148
VNMP160408 K313	B148
VNMP160408 K68	B148
VNMP160408K K68	B148
VNMP160408K KCP10	B148
VNMP160408K KCP10B	B148
VNMP160408K KCP25	B148
VNMS160404 K68	B148
VNMS160404 KC5410	B148
VNMS160404E KD1405	B350
VNMS160404FST KD1400	B350
VNMS160404FST KD1425	B350
VNMS160408 K68	B148
VNMS160408 KC5410	B148
VNMS160408E KD1405	B350
VNMS160408FST KD1400	B350
VNMS160408FST KD1425	B350
VPGP443K KC5410	B144
W14	U27–28, U30, U32–34
W16	U29, U31, U35
W18	U40–42, U44, U46, U48
W20	U43, U45, U47, U49
WCMT040204FP KCU10	B270
WCMT040204FP KCU25	B270
WCMT040204LF KC5010	B270
WCMT06T308FP KCP25	B270
WCMT06T308FP KCU10	B270
WCMT06T308LF KC5010	B270
WCMT06T308LF KC5025	B270
WD32FDS28076M	H102
WD32FDS28128M	H102
WD32FDS28190M	H103
WD32FDS28283M	H103
WD32FDS28345M	H103
WD32FDS32082M	H102
WD32FDS32146M	H102
WD32FDS32216M	H103
WD32FDS32321M	H103
WD32FDS32391M	H103
WD32FDS36092M	H102
WD32FDS36166M	H102
WD32FDS36244M	H103
WD32FDS36361M	H103
WD32FDS36439M	H103
WD50FDS40100M	H102
WD50FDS40183M	H102
WD50FDS40271M	H103
WD50FDS40403M	H103
WD50FDS40491M	H103
WD50FDS45112M	H102
WD50FDS45206M	H102
WD50FDS45304M	H103
WD50FDS45451M	H103
WD50FDS45549M	H103
WD50FDS50122M	H102
WD50FDS50228M	H102
WD50FDS50338M	H103
WD50FDS50503M	H103
WD50FDS50613M	H103
WD50FDS56140M	H102
WD50FDS56259M	H102
WD50FDS56383M	H103
WD50FDS56569M	H103
WD50FDS56693M	H103
WD50FDS63154M	H102
WD50FDS63289M	H102
WD50FDS63429M	H103
WD50FDS63639M	H103
WD50FDS63779M	H103
WD50FDS71172M	H102
WD50FDS71292M	H102
WD50FDS71452M	H103
WD50FDS80192M	H102
WD50FDS80327M	H102
WD50FDS80507M	H103
WD50FDS90212M	H102
WD50FDS90362M	H102
WD50FDS90562M	H103
WLFNL32CA19S	E55
WLFNR32CA19S	E55
WLJNL32CA19S	E49
WLJNL32CA30S	E49
WLJNR32CA19S	E49
WLJNR32CA30S	E49
WLLNL32CA19S	E55
WLLNL32CA30S	E55
WLLNR32CA19S	E55
WLLNR32CA30S	E55
WNGA080404S01015MT KBH20	B324
WNGA080408FST KD1425	B351
WNGA080408S01015FWHBMT KBH20	B324
WNGA080408S01015FWMT KBH20	B323
WNGA080408S01015MT KBH20	B324
WNGA080408S01225MT KBH20	B324
WNGA080408S01735MT KBH20	B324
WNGA080408T01020 KYS30	B336
WNGA080408T01020FW KY3500	B294
WNGA080408T02020 KY3500	B294
WNGA080408T02020 KYK25	B294
WNGA080412T02020 KY3500	B294
WNGA080412T02020 KYK25	B294
WNGA080416T01020 KYS30	B336
WNGA080416T02020 KY3500	B294
WNGA80408S01015MT KBH10	B324
WNGA80408S01225MT KBH10	B324
WNGG080401LF KC5010	B154
WNGG080402LF KC5010	B154
WNGG080402LF KCU10	B154
WNGG080404FS KCU10	B154
WNGG080404LF KC5010	B154
WNGG080404LF KCU10	B154
WNGG080408FS KCU10	B154
WNGG080408LF KC5010	B154
WNGP080408K KC5010	B154
WNGP080408K KC5410	B154
WNGX080712T02020 KY3500	B298
WNGX080712T02020 KYK10	B298
WNMA060408 KCK15	B155
WNMA060412 KCK20	B155
WNMA060412 KCK20B	B155
WNMA080408 KCK05	B155
WNMA080408 KCK15	B155
WNMA080408 KCK20	B155
WNMA080408 KCK20B	B155
WNMA080412 KCK15	B155
WNMA080412 KCK15B	B155
WNMA080412 KCK20	B155
WNMA080416 KCK20	B155
WNMG060404FF KCP10	B155
WNMG060404FF KCU10	B155
WNMG060404FN KCK05	B155
WNMG060404FN KCP10	B155
WNMG060404FN KT315	B155
WNMG060404FP KC5010	B156
WNMG060404FP KCM15	B156
WNMG060404FP KCU10	B156
WNMG060404FW KCP05	B156
WNMG060404FW KCP05B	B156
WNMG060404FW KCU10	B156
WNMG060404FW KT315	B156
WNMG060404MN KCP10	B157
WNMG060404MN KCP25	B157
WNMG060404MP KC5010	B157
WNMG060404MP KCM15	B157
WNMG060404MP KCM25B	B157
WNMG060404MP KCU10	B157
WNMG060408FF KC5010	B155
WNMG060408FF KCP10	B155
WNMG060408FF KT315	B155
WNMG060408FN KCK15B	B155
WNMG060408FN KCP10	B155
WNMG060408FN KCP25	B155
WNMG060408FN KT315	B155
WNMG060408FP KC5010	B156
WNMG060408FP KCM15	B156
WNMG060408FP KCP10	B156
WNMG060408FW KC5010	B156
WNMG060408FW KCP05	B156
WNMG060408FW KCP10	B156
WNMG060408FW KCU10	B156
WNMG060408FW KT315	B156
WNMG060408MN KCP10	B157
WNMG060408MN KCP10B	B157
WNMG060408MN KCP25	B157
WNMG060408MN KCP25B	B157
WNMG060408MN KCP30	B157
WNMG060408MP KC5010	B157
WNMG060408MP KCM15	B157
WNMG060408MP KCM25	B157
WNMG060408MP KCM25B	B157
WNMG060408MP KCM35B	B157
WNMG060408MP KCP25	B157
WNMG060408MP KCU10	B157
WNMG060408MR KCM15B	B157
WNMG060408MR KCP25B	B157
WNMG060408MS K313	B158
WNMG060408MS KC5010	B158
WNMG060408MS KC5025	B158
WNMG060408MS KCU10	B158
WNMG060408MS KCU25	B158
WNMG060408MW KCP10	B158
WNMG060408MW KCP10B	B158
WNMG060408RN KCP10	B159
WNMG060408RN KCP10B	B159
WNMG060408RN KCP25	B159
WNMG060408RN KCP25B	B159
WNMG060408RP KC5010	B159
WNMG060408RP KCM15	B159
WNMG060408RP KCM25	B159
WNMG060408RP KCP10	B159
WNMG060408RP KCP10B	B159
WNMG060408RP KCP25	B159
WNMG060408RP KCU10	B159
WNMG060408RP KCU25	B159
WNMG060408UN KCK15	B160
WNMG060408UN KCK20B	B160
WNMG060408UP KCM25B	B160
WNMG060412FW KCP10	B156
WNMG060412MN KCP10	B157
WNMG060412MN KCP25	B157
WNMG060412MN KCP30B	B157
WNMG060412MP KCM25	B157
WNMG060412RN KCP25	B159
WNMG060412RP KCP10	B159
WNMG060412RP KCP25	B159
WNMG080401MS KCU10	B158
WNMG080402MS KC5010	B158
WNMG080402MS KCU10	B158
WNMG080402MS KCU25	B158
WNMG080404FF KC5010	B155
WNMG080404FF KCP10	B155
WNMG080404FF KCU10	B155
WNMG080404FN KCK05	B155
WNMG080404FN KCK05B	B155
WNMG080404FN KCP05	B155
WNMG080404FN KCP10	B155
WNMG080404FN KCP10B	B155
WNMG080404FN KCP25B	B155
WNMG080404FN KT315	B155
WNMG080404FP KC5010	B156
WNMG080404FP KCM15	B156
WNMG080404FP KCP10	B156
WNMG080404FP KCP25	B156
WNMG080404FP KCU10	B156
WNMG080404FW KCM15B	B156
WNMG080404FW KCP05	B156
WNMG080404FW KCP10	B156
WNMG080404FW KCU10	B156
WNMG080404FW KT315	B156
WNMG080404MS K313	B158
WNMG080404MS KC5010	B158
WNMG080404MS KC5025	B158
WNMG080404MS KCU10	B158
WNMG080404MS KCU25	B158
WNMG080404P KC5010	B158
WNMG080404P KCM15B	B158
WNMG080404P KCU10	B158
WNMG080404UN KCK15	B160
WNMG080404UN KCK20	B160
WNMG080408FF KC5010	B155
WNMG080408FF KCP10	B155
WNMG080408FN KCK05	B155
WNMG080408FN KCK15B	B155
WNMG080408FN KCP05	B155
WNMG080408FN KCP10	B155
WNMG080408FN KCP10B	B155
WNMG080408FN KCP25	B155
WNMG080408FN KCP25B	B155
WNMG080408FN KT315	B155
WNMG080408FP KC5010	B156
WNMG080408FP KCM15	B156
WNMG080408FP KCM15B	B156
WNMG080408FP KCP10	B156
WNMG080408FP KCP25	B156
WNMG080408FP KCU10	B156
WNMG080408FW KC5010	B156
WNMG080408FW KCP05	B156
WNMG080408FW KCP10	B156
WNMG080408FW KCP10B	B156
WNMG080408FW KCU10	B156
WNMG080408FW KT315	B156
WNMG080408MG KCP10B	B156
WNMG080408MG KCP25B	B156
WNMG080408MN KCP05	B157
WNMG080408MN KCP10	B157
WNMG080408MN KCP10B	B157
WNMG080408MN KCP25	B157
WNMG080408MN KCP25B	B157
WNMG080408MN KCP30	B157
WNMG080408MN KCP30B	B157
WNMG080408MN KCP40	B157
WNMG080408MP KC5010	B157
WNMG080408MP KCM15	B157
WNMG080408MP KCM15B	B157
WNMG080408MP KCM25	B157
WNMG080408MP KCM25B	B157
WNMG080408MP KCM35	B157
WNMG080408MP KCM35B	B157
WNMG080408MP KCP10	B157
WNMG080408MP KCP25	B157
WNMG080408MP KCP25B	B157
WNMG080408MP KCU10	B157
WNMG080408MR KCK15B	B157
WNMG080408MR KCM15B	B157
WNMG080408MR KCM25	B157
WNMG080408MR KCM25B	B157
WNMG080408MR KCM35	B157
WNMG080408MR KCP10B	B157
WNMG080408MR KCP25B	B157
WNMG080408MR KCPK05	B157
WNMG080408MR KCU10	B157
WNMG080408MS K313	B158
WNMG080408MS KC5010	B158
WNMG080408MS KC5025	B158
WNMG080408MS KCU10	B158
WNMG080408MS KCU25	B158
WNMG080408MW KCK15B	B158
WNMG080408MW KCP05	B158
WNMG080408MW KCP10	B158
WNMG080408MW KCP10B	B158
WNMG080408MW KCP25	B158
WNMG080408MW KCP25B	B158
WNMG080408MW KCPK05	B158
WNMG080408P KC5010	B158
WNMG080408P KCM15B	B158
WNMG080408P KCU10	B158
WNMG080408RN KCP10	B159
WNMG080408RN KCP10B	B159
WNMG080408RN KCP25	B159
WNMG080408RN KCP25B	B159
WNMG080408RN KCP30	B159
WNMG080408RN KCP30B	B159
WNMG080408RN KCP40	B159

For page references F–X, please see Volume II • Rotating Tools Catalogue.

Catalogue No.	Page(s)
WNMG080408RP KC5010	B159
WNMG080408RP KC5025	B159
WNMG080408RP KCK05	B159
WNMG080408RP KCK05B	B159
WNMG080408RP KCK15	B159
WNMG080408RP KCK15B	B159
WNMG080408RP KCK20	B159
WNMG080408RP KCK20B	B159
WNMG080408RP KCM15	B159
WNMG080408RP KCM15B	B159
WNMG080408RP KCM25	B159
WNMG080408RP KCM25B	B159
WNMG080408RP KCM35	B159
WNMG080408RP KCM35B	B159
WNMG080408RP KCP05	B159
WNMG080408RP KCP10	B159
WNMG080408RP KCP10B	B159
WNMG080408RP KCP25	B159
WNMG080408RP KCP25B	B159
WNMG080408RP KCP30B	B159
WNMG080408RP KCP40B	B159
WNMG080408RP KCPK05	B159
WNMG080408RP KCU10	B159
WNMG080408RP KCU25	B159
WNMG080408UN KCK05B	B160
WNMG080408UN KCK15	B160
WNMG080408UN KCK15B	B160
WNMG080408UN KCK20	B160
WNMG080408UN KCK20B	B160
WNMG080408UP KC5010	B160
WNMG080408UP KCM15	B160
WNMG080408UP KCM25	B160
WNMG080408UP KCM25B	B160
WNMG080408UP KCU10	B160
WNMG080412FP KC5010	B156
WNMG080412FP KCM15	B156
WNMG080412FW KCP05	B156
WNMG080412FW KCP10	B156
WNMG080412FW KCP10B	B156
WNMG080412MN KCP10	B157
WNMG080412MN KCP10B	B157
WNMG080412MN KCP25	B157
WNMG080412MN KCP25B	B157
WNMG080412MN KCP40B	B157
WNMG080412MP KC5010	B157
WNMG080412MP KCM15	B157
WNMG080412MP KCM25	B157
WNMG080412MP KCM25B	B157
WNMG080412MP KCM35	B157
WNMG080412MP KCP10	B157
WNMG080412MP KCP25B	B157
WNMG080412MP KCU10	B157
WNMG080412MR KCM15B	B157
WNMG080412MR KCM25B	B157
WNMG080412MR KCM35	B157
WNMG080412MR KCP10B	B157
WNMG080412MR KCP25B	B157
WNMG080412MR KCPK05	B157
WNMG080412MW KCM15B	B158
WNMG080412MW KCP05	B158
WNMG080412MW KCP10	B158
WNMG080412MW KCP10B	B158
WNMG080412MW KCP25	B158
WNMG080412MW KCP25B	B158
WNMG080412RN KCP05	B159
WNMG080412RN KCP10	B159
WNMG080412RN KCP10B	B159
WNMG080412RN KCP25	B159
WNMG080412RN KCP25B	B159
WNMG080412RN KCP30	B159
WNMG080412RN KCP30B	B159
WNMG080412RN KCP40B	B159
WNMG080412RN KCPK05	B159
WNMG080412RP KC5010	B159
WNMG080412RP KCK05	B159
WNMG080412RP KCK15	B159
WNMG080412RP KCK15B	B159
WNMG080412RP KCK20	B159
WNMG080412RP KCK20B	B159
WNMG080412RP KCM15	B159
WNMG080412RP KCM25	B159
WNMG080412RP KCM25B	B159
WNMG080412RP KCM35	B159
WNMG080412RP KCM35B	B159
WNMG080412RP KCP05	B159
WNMG080412RP KCP10	B159
WNMG080412RP KCP10B	B159
WNMG080412RP KCP25	B159
WNMG080412RP KCP25B	B159
WNMG080412RP KCP30	B159
WNMG080412RP KCPK05	B159
WNMG080412RP KCU10	B159
WNMG080412RP KCU25	B159
WNMG080412UN KCK05	B160
WNMG080412UN KCK15	B160
WNMG080412UN KCK15B	B160
WNMG080412UN KCK20	B160
WNMG080412UN KCK20B	B160
WNMG080412UP KC5010	B160
WNMG080412UP KCM25	B160
WNMG080412UP KCM35	B160
WNMG080412UP KCU10	B160
WNMG080416MN KCP25	B157
WNMG080416MN KCP25B	B157
WNMG080416MR KCP10B	B157
WNMG080416MR KCP25B	B157
WNMG080416RN KCP10	B159
WNMG080416RN KCP10B	B159
WNMG080416RN KCP25	B159
WNMG080416RN KCP25B	B159
WNMG080416RP KCP10	B159
WNMG080416RP KCP25	B159
WNMG080416RP KCP25B	B159
WNMG080416RP KCU25	B159
WNMG080416UN KCK15B	B160
WNMG080416UN KCK20	B160
WOEJ090512SRGD KC522M	V41
WOEJ090512SRGD KC725M	V41
WOEJ090512SRGD KCPK30	V41
WOEJ090512SRGD KCPM40	V41
WOEJ090512SRGD KCSM30	V41
WOEJ090512SRHD KC522M	V41
WOEJ090512SRHD KC725M	V41
WOEJ090512SRHD KCPK30	V41
WOEJ090512SRHD KCPM40	V41
WPGT040202UF KCU10	B272
WPGTS30101UF KC5010	B272
WPGTS30101UF KCU10	B272
WPGTS30102UF KC5010	B272
WPGTS30102UF KCU10	B272
WPMT040204FP KCM25	B272
WPMT040204FP KCP25	B272
WPMT040204FP KCU10	B272
WPMT040204LF KC5010	B272
WPMT040204LF KC5025	B272
WPMT040204LF KCK20	B272
WPMT040204LF KCP10	B272
WPMT06T304FP KCU10	B272
WPMT06T304LF KC5010	B272
WPMT06T304LF KCM15B	B272
WPMT06T304LF KCP25	B272
WPMT06T308FP KCU10	B272
WPMT06T308LF KC5010	B272
WPMT06T308LF KCK05	B272
WPMT06T308LF KCM15	B272
WPMT06T308LF KCP25B	B272
WPMTS3T104FP KCP25	B272
WPMTS3T104FP KCU10	B272
WPMTS3T104LF KC5025	B272
WXXNL4455X-FL	E54
WXXNR4455X-FL	E54
XADA1000X4CH45 KCPM15	O48
XADA1000X4CH60 KCPM15	O48
XADA1200X5CH45 KCPM15	O48
XADA1200X5CH60 KCPM15	O48
XADA1600X6CH45 KCPM15	O48
XADA1600X6CH60 KCPM15	O48
XDLT090408ERD41 SC6525	V14
XDLT090408ERD41 SP6519	V14
XDLT090408ERD41 X500	V14
XDLT090408ERD721 GH2	V14
XDLT090412ERD411 SP6519	V15
XDLT090412ERD411 X500	V15
XDLT120508ERD41 SC6525	V23
XDLT120508ERD41 SP6519	V23
XDLT120508ERD41 X500	V23
XDLT120508ERD721 GH2	V23
XDLT120512ERD411 SP6519	V24
XDLT120512ERD411 X500	V24
XDLW090408SRD SC3025	V16
XDLW090408SRD SC6525	V16
XDLW090408SRD X400	V16
XDLW090408SRD X500	V16
XDLW120508SRD SC3025	V25
XDLW120508SRD X400	V25
XDLW120508SRD X500	V25
XDPT090408ERD41 KCSM40	V15
XDPT090408ERD41 SC6525	V15
XDPT090408ERD41 SP6519	V15
XDPT090408ERD41 X500	V15
XDPT090412ERD411 KCSM40	V15
XDPT090412SRGP KC522M	V16
XDPT090412SRGP KC725M	V16
XDPT090412SRGP KCPK30	V16
XDPT090412SRGP KCPM40	V16
XDPT120508ERD41 KCSM40	V23
XDPT120508ERD41 SC6525	V23
XDPT120508ERD41 SP6519	V23
XDPT120508ERD41 X500	V23
XDPT120512ERD411 KCSM40	V24
XDPT120515SRGP KC522M	V24
XDPT120515SRGP KC725M	V24
XDPT120515SRGP KCPK30	V24
XDPT120515SRGP KCPM40	V24
XDPW090412SRD KC510M	V16
XDPW090412SRD KC522M	V16
XDPW090412SRD KCK15	V16
XDPW090412SRD KCPK30	V16
XDPW090412SRD KCPM40	V16
XDPW120515SRD KC510M	V25
XDPW120515SRD KC522M	V25
XDPW120515SRD KCK15	V25
XDPW120515SRD KCPK30	V25
XDPW120515SRD KCPM40	V25
XE020MTN4-C SP4060	P72
XE025MTN4-C SP4060	P72
XE030MTN4-C SP4060	P72
XE040MTN4-C SP4060	P72
XE050MTN4-C SP4060	P72
XE060MN4-C SP4060	P72
XE080MN4-C SP4060	P72
XE100MN4-C SP4060	P72
XE160MN4-C SP4060	P72
XE200MN4-C SP4060	P72
XELT160512ERD41 SC6525	V30
XELT160512ERD41 SP6519	V30
XELT160512ERD41 X500	V30
XELW160512SRD SC3025	V31
XELW160512SRD X400	V31
XEPT160512ERD41 KCSM40	V31
XEPT160516ERD41 KC522M	V31
XEPT160516ERD41 KCPK30	V31
XEPT160516ERD41 KCPM40	V31
XEPW160520SRD KC522M	V31
XEPW160520SRD KCK15	V31
XEPW160520SRD KCPK30	V31
XEPW160520SRD KCPM40	V31
XER020NTN4-C SP4060	P73
XER030NTN4-C SP4060	P73
XER040NTN4-C SP4060	P73
XER040NTN4-E SP4060	P73
XER050NTN4-E SP4060	P73
XER060NN4-C SP4060	P73
XER060NN4-E SP4060	P73
XER060NN4-G SP4060	P73
XER080NN4-C SP4060	P73
XER080NN4-E SP4060	P73
XER080NN4-G SP4060	P73
XER100NN4-C SP4060	P73
XER100NN4-E SP4060	P73
XER100NN4-G SP4060	P73
XER120NN4-C SP4060	P73
XER120NN4-E SP4060	P73
XER120NN4-G SP4060	P73
XER120NN4-J SP4060	P73
XER120NN4-L SP4060	P73
XER160NN4-C SP4060	P73
XER160NN4-G SP4060	P73
XER160NN4-J SP4060	P73
XER160NN4-L SP4060	P73
XER160NN4-M SP4060	P73
XER160NN4-P SP4060	P73
XER200NN4-G SP4060	P73
XER200NN4-J SP4060	P73
XER200NN4-M SP4060	P73
XNGJ0604ANENLD3W KC510M	S12
XNGJ0604ANENLD3W KC522M	S12
XNGJ0604ANENLD3W KC725M	S12
XNGJ0604ANENLD3W KCPM40	S12
XNGJ0604ANENLD3W KCSM40	S12
XNGJ0604ANFNLDJ3W KC410M	S11
XNGJ0905ANFNLDJ3W KC410M	S22
XNGJ0905ANSNGD3W KC725M	S22
XNGJ0905ANSNGD3W KCK15	S22
XNGJ0905ANSNGD3W KCPK30	S22
XNGJ0905ANSNGD3W KCSM40	S22
XNXF1204ZNENLDW KCK15	S106
XNXF1204ZNENW KY3500	S106
XPLT060308ERD41 SC6525	V7
XPLT060308ERD41 SP6519	V7
XPLT060308ERD41 X400	V7
XPLT060308ERD41 X500	V7
XPNT16160308RF SP6519	V105
XPNT2020T306RF SP6519	V105
XPNT25250408RF SP6519	V105
XPNT32320612RF SP6519	V105
XPNT4040T716RF SP6519	V105
XPNT5050T716RF SP6519	V105
XPPT060308ERD41 KCSM40	V7
XPPW060310SRD KC510M	V7
XPPW060310SRD KC522M	V7
XPPW060310SRD KCPK30	V7
XPPW060310SRD KCPM40	V7
XRDA1000X4CHJ KCPM15	O49
XRDA1000X4CRM KCPM15	O49
XRDA1200X5CRG KCPM15	O49
XRDA1200X5CRK KCPM15	O49
XRDA1200X5CRM KCPM15	O49
XRDA1600X6CRK KCPM15	O49
XRDA1600X6CRM KCPM15	O49
XRDA1600X6CRN KCPM15	O49
ZDET16M504FR721 GH1	T90
ZDET16M508FR721 GH1	T90
ZDET16M512FR721 GH1	T90
ZDET16M516FR721 GH1	T90
ZDET16M520FR721 GH1	T90
ZDET16M525ER721 GH1	T90
ZDET16M525FR721 GH1	T90
ZDET16M530ER721 GH1	T90
ZDET16M530FR721 GH1	T90
ZDET16M532FR721 GH1	T90
ZDET16M540ER721 GH1	T90
ZDET16M540FR721 GH1	T90
ZDET16M550FR721 GH1	T90
ZDET16M560FR721 GH1	T90
ZDET16M5PDFR721 GH1	T90

Index

For page references F–X, please see Volume II • Rotating Tools Catalogue.

North America

United States
General Sales: 1 800 446 7738
FtMill.Service@kennametal.com
Technical Support: 1 800 835 3668
na.techsupport@kennametal.com

Canada
General Sales: 800 446 7738
toronto.service@kennametal.com
Technical Support: 1 800 835 3668
na.techsupport@kennametal.com

Mexico
General Sales: 001 888 402 4963
k-mx.service@kennametal.com

Central/South America

Argentina
General Sales: +54 11 4719 0700
buenos-aires.ventas@kennametal.com

Brazil
General Sales: +55 19 3936 9200
bra.marketing@kennametal.com

Chile
General Sales: +56 2 2264 1177
kennametalchile@kennametalchile.cl

Venezuela
Hertec Group
General Sales: +58 212 7510924
ventas@hertecgroup.com

El Salvador
Prometca S.A. DE C.V.
General Sales: +503 2219 7579
portilloprometca@gmail.com

Africa

Egypt
General Sales: +44 1384 408060
na.techsupport@kennametal.com

South Africa
General Sales: +27 11 748 9300
na.techsupport@kennametal.com

Europe

Austria
General Sales: +43 2236 3798980
brunn.sales@kennametal.com
Technical Support: 0800 202873
eu.techsupport@kennametal.com

Belgium
General Sales: 0800 81 372
belgium.sales@kennametal.com
Technical Support: 0800 80850
eu.techsupport@kennametal.com

Czech Republic
Ricany Jazlovice
General Sales: 800 900 840
k-prha.sales@kennametal.com

Denmark
Technical Support: 808 89298
na.techsupport@kennametal.com

Finland
Technical Support: 0800 919412
na.techsupport@kennametal.com

France
General Sales: +33 1 60 12 81 00
info.fr@kennametal.com
Technical Support: 0805 540 367
eu.techsupport@kennametal.com

Germany
General Sales: +49 6003 8277 0
rosbach.sales@kennametal.com
Technical Support: 0800 0006651
eu.techsupport@kennametal.com

Great Britain
General Sales: +44 1384 408060
kingswinford.service@kennametal.com
Technical Support: 0800 032 8339
na.techsupport@kennametal.com

Hungary
General Sales: +36 96 618 150
gyoer.sales@kennametal.com

Ireland
General Sales: +44 1384 408060
na.techsupport@kennametal.com

Italy
General Sales: +39 02 895 961
milano.vendite@kennametal.com
Technical Support: 800 916561
eu.techsupport@kennametal.com

Luxemborg
General Sales: +32 4 248 48 48
liege.sales@kennametal.com

Netherlands
General Sales: 0800 44 33 201
netherlands.sales@kennametal.com
Technical Support: 0800 0201130
eu.techsupport@kennametal.com

Norway
Technical Support: 800 10080
na.techsupport@kennametal.com

Poland
General Sales: +48 61 6656501
poland.service@kennametal.com
Technical Support: 00800 4411887
eu.techsupport@kennametal.com

Portugal
General Sales: +351 22 4119 400
porto.service@kennametal.com

Russia
General Sales: +7 495 4115386
moscow.information@kennametal.com
Technical Support:
Landline: 08800 5556394
Cell Phone: +7 8005556394
eu.techsupport@kennametal.com

Slovakia
General Sales: 0800 044 053
k-eu-zilina.sales@kennametal.com

Spain
General Sales: +34 93 586 03 50
barcelona.service@kennametal.com

Sweden
Technical Support: 020799246
na.techsupport@kennametal.com

Turkey
General Sales: +90 216 574 4780
tr.information@kennametal.com

Ukraine
Technical Support: 0800502664
eu.techsupport@kennametal.com

East/Asia Pacific

Australia
General Sales: 1 800 666 667
k-au.service@kennametal.com
Technical Support: 1 800 67 4037
ap-kmt.techsupport@kennametal.com

Bahrain
General Sales: +971 (0) 5529983
info@passtech.overmach.com

China
General Sales: +86 400 889 2135
Technical Support: 400 889 2238
k-cn.techsupport@kennametal.com

Dubai
General Sales: +971 (0) 5529983
info@passtech.overmach.com

India
General Sales: 1800 103 5138
Technical Support: 1800 103 5227
in.techsupport@kennametal.com

Indonesia
General Sales: +65 6265 9222
k-sg.sales@kennametal.com
Technical Support: 1800 6221031
ap-kmt.techsupport@kennametal.com

Israel
General Sales: +97 23 558 1313
arnold1@inter.net.il
Technical Support: 1809 449889
na.techsupport@kennametal.com

Japan
General Sales: +813 3820 2855
Technical Support: +813 3820 2855
ap-kmt.techsupport@kennametal.com

Korea
General Sales: +82 2 2109 6100
Technical Support: +080 728 0880
ap-kmt.techsupport@kennametal.com

Kuwait
General Sales: +971 (0) 5529983
info@passtech.overmach.com

Malaysia
General Sales: +6 03 5569 9080
Technical Support: 1800812990
ap-kmt.techsupport@kennametal.com

New Zealand
General Sales: 0800 536626
k-nz.service@kennametal.com
Technical Support: 0800 450941
ap-kmt.techsupport@kennametal.com

Oman
General Sales: +971 (0) 6 5529983
info@passtech.overmach.com

Pakistan
General Sales: +92 21 2465305
itsystem@brain.net.pk

Qatar
General Sales: +971 (0) 6 5529983
info@passtech.overmach.com

Saudi Arabia
General Sales: +971 (0) 6 5529983
info@passtech.overmach.com

Singapore*
General Sales: +65 62659222
k-sg.sales@kennametal.com
Technical Support: 1800 6221031
ap-kmt.techsupport@kennametal.com
** Vietnam and Philippines individuals should contact the Singapore office.*

Taiwan
General Sales: +886 4 2350 1920
taiwan.service@kennametal.com
Technical Support: 0800 666 197
ap-kmt.techsupport@kennametal.com

Thailand
General Sales: +662 642 3455
Technical Support: 18004417820
ap-kmt.techsupport@kennametal.com

United Arab Emirates
General Sales: +971 (0) 6 5529983
info@passtech.overmach.com

*Visit **kennametal.com** for additional contact information for locations.*



Turning Icons

 Shank: KM-TS™ (ISO 26622)	 Shank: KM4X™	 Shank: VDI Shank	 DIN Number 69880	 Through Coolant
 Through Coolant: 100 bar	 Through Coolant: 1500 psi	 Through Coolant: 80 bar	 Through Coolant: 1200 psi	 ISO: 26622
 ISO: 10889	 Turning	 Profiling	 Facing	 Face Grooving
 Chamfering	 Back Boring	 Threading	 Grooving	 Cut-Off
 I.D. Turning	 I.D. Chamfering	 I.D. Facing	 I.D. Grooving	 I.D. Face Grooving
 Deep Grooving	 I.D. Internal Threading			

Holemaking Icons

 Countersinking/ Stroke Chamfering	 Taper Drilling	 Counterboring	 Drilling	 Drilling: Inclined Entry
 Drilling: Inclined Exit	 Drilling: Exit Offset	 Drilling: Flat Bottom	 Drilling: Stacked Plates	 Drilling: Convex
 Drilling: Blind Hole	 Drilling: Concave	 Drilling: Chain	Drilling: Cross Hole	Drilling: Half Cylinder
Drilling: Corner Drilling 45°	Reaming: Through Hole	Reaming: Blind Hole	Reaming: Through Cross	Reaming: Blind and Cross Holes
Reaming: Interrupted Cut	Drilling Depth: 1 x D	Drilling Depth: 3 x D	Drilling Depth: 5 x D	Drilling Depth: 8 x D
Drilling Depth: 10 x D	Drilling Depth: 12 x D	Drilling Depth: 7 x D	Drilling Depth: 4 x D	Drilling Depth: 1.5 x D

(continued)

(Holemaking Icons — continued)

Corner Style: Corner Chamfer	Corner Style: Square End	Shank: Cylindrical Plain	Shank: Cylindrical Plain ≤h6	Shank: Cylindrical Weldon®
Shank: Cylindrical Whistle Notch	Shank: Cylindrical Whistle Notch ≤h6	Shank: Cylindrical Whistle Notch 2°	Shank: Cylindrical with Flat	Flat Shank
SK Shank: Rübig	Shank: SK BT JIS B 6339	Shank: SK CAT(CV) ANSI B5.50	Shank: SK DV DIN 69871	Shank: Cylindrical Whistle Notch with Drive and Flange
Shank: Cylindrical with Flat and Flange	KM™ Shank	Shank: HSK DIN 69893	Shank: HSK DIN 69893 Form A	Shank: KM-TS™ (ISO 26622)
Shank: KM-XMZ	Shank: ER	Helix Angle: 0°	Helix Angle: 15°	Helix Angle: 30°
Tip Angle: 118°	Tip Angle: 130°	Balance (G 6.3/25,000)	Balance (G 6.3/10,000)	Balance (G 6.3/6,000)
Balance (G 16/20,000)	DIN Number 6537	DIN Number 6535	DIN Number 69893	DIN Number 69090-3
Drilling: No Coolant	Through Coolant: Radial: Drilling	Through Coolant: Radial: Reaming	Through Coolant: Radial: Indexable Drilling	Flood Coolant: Drilling
Through Coolant: MQL (Minimum Quantity Lubricant): Drilling	Through Coolant: Axial: Drilling	Through Coolant: Axial: Reaming	Through Coolant: Coolant Entry AD	Through Coolant: Coolant Entry AD/B
Tool Dimensions: 2 Flute/2 Margin/ Coolant	Tool Dimensions: 2 Flute/2 Margin/ No Coolant	Tool Dimensions: 2 Flute/3 Margin/ Coolant	Tool Dimensions: 2 Flute/4 Margin/ Coolant	Tool Dimensions: 2 Flute/4 Margin/ No Coolant
Tool Dimensions: 2 Flute/4 Margin/ X/Coolant	Tool Dimensions: 3 Flute/3 Margin/ Coolant	Tool Dimensions: 3 Flute/3 Margin/ No Coolant	Tool Dimensions: Flute Configuration: 2	Tool Dimensions: Flute Configuration: 3
Tool Dimensions: Flute Configuration: 4				

Tapping Icons

Countersinking/ Stroke Chamfering	Drilling: Flat Bottom	Drilling: Blind	Tapping: Through Hole	Tapping: Blind Hole
Threading: Through Hole	HSS-E: High-Speed Steel with Cobalt Alloy for Materials with Higher Hardnes	HSS-E-PM: High-Speed Steel with Cobalt Alloy for Materials with Higher Hardness (PM = Powder Metal Steel)	HM: (Carbide)	Drilling Depth: 2xD
Chamfer Form B (3.5–5.5)	Chamfer Form C (2–3)	Chamfer Form D (3.5–5)	Chamfer Form E (1.5–2)	Plug Chamfer Form B (3–5)
Tapping Helix Angle: 0º	Tapping Helix Angle: 10º	Tapping Helix Angle: L8º	Tapping Helix Angle: 15º	Tapping Helix Angle: L15º
Tapping Helix Angle: 25º	Tapping Helix Angle: 30º	Tapping Helix Angle: 42º	Tapping Helix Angle: 45º	Multipurpose Taps: Spiral Point
Tension/ Compression	DIN Number 371	DIN Number 374	DIN Number 376	DIN Number 5156
DIN Number 2174	Through Coolant: Radial: Tapping	Flood Coolant: Tapping	Through Coolant: Axial: Tapping	Manufacturer's Specs: ISO 2
Manufacturer's Specs: ISO 3	Manufacturer's Specs: JIS	Class of Fit: 2B	Class of Fit: 3B	Class of Fit: 6H
Class of Fit: 6HX	Class of Fit: 6G	Class of Fit: 2BX	Class of Fit: 3BX	Unified Fine Thread
Unified Course Thread	American Tapered Pipe Thread for Threads with Dryseal Material	American Tapered Pipe Thread for Threads without Dryseal Material	Whitworth Pipe Thread	Unified Course Thread: J Profile
Unified Fine Thread: J Profile	ISO Metric Coarse Thread	ISO Metric Fine Thread		

Solid End Milling Icons

Face Milling	Helical Milling	Plunge Milling	Plunge Milling: Ball Nose	Ramping: Blank
Ramping: Up to 3°	Slotting: Ball Nose	Slotting: Ball Nose with AP Dimension	Slotting: Square End	Slotting: Square End with AP Dimension
Trochoidal Milling	Trochoidal Milling: Ball Nose	Side Milling/Shoulder Milling: Ball Nose	Side Milling/ Shoulder Milling: Ball Nose with AE/AP Dimensions	Side Milling/ Shoulder Milling: Square End
Side Milling/ Shoulder Milling: Square End with AE/AP Dimensions	Side Milling/ Shoulder Milling: Eased Chamfer	Side Milling/ Shoulder Milling: Eased Chamfer with AE/AP Dimensions	Side Milling/ Shoulder Milling: Fine Finishing	Side Milling/ Shoulder Milling: Fine Finishing with AE/AP Dimensions
Side Milling/ Shoulder Milling: Finishing	Side Milling/ Shoulder Milling: Finishing with AE/AP Dimensions	Side Milling/ Shoulder Milling: Thin Wall Solid End Milling	Side Milling/ Shoulder Milling: Radius	Side Milling/ Shoulder Milling: Radius with AE/AP Dimensions
3D Profiling	3D Profiling with AE/AP Dimensions	3D Profiling with Square End Mill	Corner Style: Ball Nose	Corner Style: Corner Chamfer
Corner Style: Corner Radius	Corner Style: Square End	Corner Style: Torus	Shank: Cylindrical Plain	Shank: Cylindrical Weldon®
Shank: SK BT JIS B 6339	Shank: SK CAT(CV) ANSI B5.50	Shank: HSK: CAT: Drawbar Thread: 5/8–11 UNC	Shank: HSK A/ DIN69893	Shank: Safe-Lock™ ≤h6
Shank: Safe-Lock™	Shank: PSC Shank	Duo-Lock™ Connection	Helix Angle: 0°	Helix Angle: 15°
Helix Angle: 20°	Helix Angle: 25°	Helix Angle: 30°	Helix Angle: 35°	Helix Angle: 38°
Helix Angle: 40°	Helix Angle: 45°	Helix Angle: 50°	Helix Angle: 60°	Helix Angle: 43°
Helix Angle: 36°	Helix Angle: 35°/38°	Helix Angle: 37°/39°	Balance (G 2.5/25,000)	DIN Number 6527
DIN Number 6528	Drilling: Through Coolant	Through Coolant	Through Coolant: Axial: Solid End Mill	Tool Dimensions: Flute Configuration: X (Variable)

(continued)

(Solid End Milling Icons — continued)

Tool Dimensions: Flute Configuration: 2	Tool Dimensions: Flute Configuration: 3	Tool Dimensions: Flute Configuration: 4	Tool Dimensions: Flute Configuration: 5	Tool Dimensions: Flute Configuration: 6
Tool Dimensions: Flute Configuration: 1	Tool Dimensions: Flute Configuration: 12	ISO 26622		

Indexable Milling Icons

Counterboring	Spiral Circular	Face Milling	Helical Milling	Plunge Milling
Plunge Milling: Ball Nose	Ramping: Blank	Slotting: Ball Nose	Slotting: Side	Slotting: Side with AE/AP Dimensions
Slotting: Side Milling: Ball Nose	Slotting: Square End	Slotting: T	Slotting: T with AP Dimension	Side Milling/ Shoulder Milling: Ball Nose
Side Milling/ Shoulder Milling: Bottom Shouldering	Side Milling/ Shoulder Milling: Square End	Side Milling/ Shoulder Milling: Eased Chamfer	Slotting: Shoulder Profiling	Slotting: Shoulder
3D Profiling	3D Profiling with Square End Mill	PCD Tool	Pocketing	Shank: Cylindrical Plain
Shank: Cylindrical Weldon®	Shank: Cylindrical Weldon 2 Flat	Shank: Screw-On	Shank: HSK DIN 69893	Shell Mill Shank
Milling: Through Coolant	Through Coolant: Pressurised Air Coolant: Radial: Indexable Milling			

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials
C	CFRP Materials

material group	description	content	tensile strength RM (MPa)*	hardness (HB)	hardness (HRC)	material number
P0	Low-Carbon Steels, Long Chipping	C <0,25%	<530	<125	–	–
P1	Low-Carbon Steels, Short Chipping, Free Machining	C <0,25%	<530	<125	–	C15, Ck22, ST37-2, S235JR, 9SMnPb28, GS38
P2	Medium- and High-Carbon Steels	C >0,25%	>530	<220	<25	ST52, S355JR, C35, GS60, Cf53
P3	Alloy Steels and Tool Steels	C >0,25%	600–850	<330	<35	16MnCr5, Ck45, 21CrMoV5-7, 38SMn28
P4	Alloy Steels and Tool Steels	C >0,25%	850–1400	340–450	35–48	100Cr6, 30CrNiMo8, 42CrMo4, C70W2, S6525, X120Mn12
P5	Ferritic, Martensitic, and PH Stainless Steels	–	600–900	<330	<35	100Cr6, 30CrNiMo8, 42CrMo4, C70W2, S6525, X120Mn12
P6	High-Strength Ferritic, Martensitic, and PH Stainless Steels	–	900–1350	350–450	35–48	X102CrMo17, G-X120Cr29
M1	Austenitic Stainless Steel	–	<600	130–200	–	X5CrNi 18 10, X2CrNiMo 17 13 2, G-X25CrNiSi18 9, X15CrNiSi 20 12
M2	High-Strength Austenitic Stainless and Cast Stainless Steels	–	600–800	150–230	<25	X2CrNiMo 13 4, X5NiCr 32 21, X5CrNiNb 18 10, G-X15CrNi 25-20
M3	Duplex Stainless Steel	–	<800	135–275	<30	X8CrNiMo27 5, X2CrNiMoN22 5 3, X20CrNiSi25 4, G-X40CrNiSi27 4
K1	Grey Cast Iron	–	125–500	120–290	<32	GG15, GG25, GG30, GG40, GTW40
K2	Low- and Medium-Strength Ductile Irons (Nodular Irons) and Compacted Graphite Irons (CGI)	–	<600	130–260	<28	GGG40, GTS35
K3	High-Strength Ductile Irons and Austempered Ductile Iron (ADI)	–	>600	180–350	<43	GGG60, GTW55, GTS65
N1	Wrought Aluminium	–	–	–	–	AlMg1, Al99.5, AlCuMg1, AlCuBiPb, AlMgSi1, ALMgSiPb
N2	Low-Silicon Aluminium Alloys and Magnesium Alloys	Si <12,2%	–	–	–	GAlSiCu4, GDAlSi10Mg
N3	High-Silicon Aluminium Alloys and Magnesium Alloys	Si >12,2%	–	–	–	G-ALSi12, G-AlSi17Cu4, G-AlSi21CuNiMg
N4	Copper-, Brass-, Zinc-Based on Machinability Index Range of 70–100	–	–	–	–	CuZn40, Ms60, G-CuSn5ZnPb, CuZn37, CuSi3Mn
N5	Nylon, Plastics, Rubbers, Phenolics, Resins, Fibreglass	–	–	–	–	Lexan®, Hostalen™, Polystyrol, Makrolon®
N6	Carbon, Graphite Composites, CFRP	–	–	–	–	CFK, GFK
N7	Metal Matrix Composites (MMC)	–	–	–	–	–
S1	Iron-Based, Heat-Resistant Alloys	–	500–1200	160–260	25–48	X1NiCrMoCu32 28 7, X12NiCrSi36 16, X5NiCrAlTi31 20, X40CoCrNi20 20
S2	Cobalt-Based, Heat-Resistant Alloys	–	1000–1450	250–450	25–48	Haynes® 188, Stellite 6,21,31
S3	Nickel-Based, Heat-Resistant Alloys	–	600–1700	160–450	<48	INCONEL® 690, INCONEL 625, Hastelloy®, NIMONIC® 75
S4	Titanium and Titanium Alloys	–	900–1600	300–400	33–48	Ti1, TiAl5Sn2, TiAl6V4, TiAl4Mo4Sn2
H1	Hardened Materials	–	–	–	44–48	GX260NiCr42, GX330NiCr42, GX300CrNiSi952, GX300CrMo153, Hardox® 400
H2	Hardened Materials	–	–	–	48–55	–
H3	Hardened Materials	–	–	–	56–60	–
H4	Hardened Materials	–	–	–	>60	–
C1	CFRP, CFRP/CFRP	–	–	–	–	–
C2	CFRP/Non-Ferrous	–	–	–	–	–
C3	CFRP/High Temp	–	–	–	–	–
C4	CFRP/Stainless Steel	–	–	–	–	–
C5	CFRP/Non-Ferrous/High-Temp	–	–	–	–	–

P0 Workpiece Materials Listing • Steel • P0

P0 Low-Carbon Steels, Long Chipping *Content: C <.25%* *Tensile Strength RM (MPa)*: <530* *Hardness (HB): <125*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
1013	USt 34-1	–	–	G10130	–	–	–	1233	–	–	1.0055	–
1010	C 10	045 M 10	S 10 C	G10100	C 10	XC 10	C 10	–	–	–	1.0301	–
1008	DD 11 (StW 22)	HR 3	SPHD	–	DD 11	1 C	–	–	–	–	1.0332	–
1020	C 22	050 A 20	S 22 C	G10200	1 C 22	C 20	C 20	1450	–	–	1.0402	–
1025	C 25	070 M 26	S 22 C	G10250	1 C 25	C 25	C 25	–	–	–	1.0406	–
1012	B 500 H	–	S 12 C	G10120	B 500 B	XC 12	B 500 B	1332	–	–	1.0439	–
1018	C16.8	080 A 17	–	G10180	–	–	–	–	–	–	1.0453	–
1108	10 S 20	210 M 15	–	G 11080	10 S 20	10 F 1	CF 10 S 20	–	–	–	1.0721	–
1010	Ck 10	040 A 10	S 10 C	G10100	2 C 10	XC 10	C 10	1265	–	–	1.1121	–
1022	20 Mn 5	120 M 19	SMn 420	G 10220	20 Mn 5	20 M 5	G 22 Mn 3	–	–	–	1.1133	–
1015	Ck 15	080 M 15	S 15 C	G 10150	2 C 15	XC 15	C 15	1370	–	–	1.1141	–
1021	22 B 2	–	SWRCHB 220	G10210	C 22 BE 69	21 B 3	–	–	–	–	1.5508	–
–	PS 275 TM	S 275 M	–	–	S 275 M	S 275 M	S 275 M	–	–	–	1.8818	–
–	DI-MC 355 B	–	–	–	S 355 M	E 355	S 355 M	–	–	–	1.8823	–
–	DI-MC 420 B	S 420 M	–	–	S 420 M	E 420	S 420 M	–	–	–	1.8825	–
–	S 460 M	S 460 M	–	–	S 460 M	E460; S460M	S460M	–	–	–	1.8827	–
–	BTStE 355 TM	S 355 ML	–	–	S 355 ML	E 355	S 355 ML	–	–	–	1.8834	–
–	BTStE 420 TM	S 420 MI	–	–	S 420 ML	E 420	S 420 ML	–	–	–	1.8836	–
–	St E 320-3Z	–	–	–	S 320 GD + ZA	–	–	–	–	–	1.0250	–

P1 Workpiece Materials Listing • Steel • P1

P1 Low-Carbon Steels, Short Chipping, Free Machining *Content: C <.25%* *Tensile Strength RM (MPa)*: <530* *Hardness (HB): <125*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	R St 34-2/ S 205 G2T	34/20CR	–	K02502	–	–	–	–	–	–	1.0034	–
–	St 33	HR 15	SS 330	K01400	–	A 33	Fe 320	–	–	–	1.0035	–
A 570 Gr. 33	USt 37-2	4360-40 B	SS 34	K 02502	S 235 JR G1	E 24-2	Fe 360 BFU	1311	–	–	1.0036	–
–	St 37-2	HS 37/23	STKR 400	K02702	S 235 JR	E 28-2	Fe 430 C	1412	–	–	1.0037	–
A 570 Gr. 36	R St 37-2/S235 JRG2	4260-40 C	SS 34	K 02502	S235 JR G 2	E 24-2 NE	Fe 360 BFN	1312	–	–	1.0038	–
–	S 235 JRH	S 235 JRH	–	–	S235JRH	E 24-2	S 235 JRH	–	–	–	1.0039	–
–	R St 42-1	–	–	K02507	–	–	–	–	–	–	1.0077	–
–	S235J2G3/Fe 360 D1	S 235 J 2 G 3	–	K01501	S 235 J2 G3	E 24-4	S 235 J2G3	1313	–	–	1.0161	–
–	C 10 Pb	–	–	–	C 10 GPb	–	–	–	–	–	1.0302	–
–	QSt 32-3	–	SWRCH6R	–	CB 4 FF KD	–	CB 4 F U	–	–	–	1.0303	–
–	St 35.8	–	STPT 38	K01201	–	–	–	–	–	–	1.0305	–
–	St 37-2	360	STKM 12 A	K02504	S 235 JR	E 24-2	Fe 360	1412	–	–	1.0308	–
–	C10D	–	SWRM 10	–	C 10 D	FM 10	C 10 D	–	–	–	1.0310	–
–	C12D	–	SWRM 12	–	C 12 D	–	C 12 D	–	–	–	1.0311	–
–	R St 15	FeP05	–	–	Fe P05	FeP05	FeP05	–	–	–	1.0312	–
–	D 6-2	0 1 5 A 03	SWRM 6	G10050	C 4 D	–	3 CD 5	–	–	–	1.0314	–
–	St 37.8	–	STB 35	–	–	–	Fe 37	–	–	–	1.0315	–
–	St 13	CR 3	SPCD	–	–	–	–	–	–	–	1.0333	–
–	D D 13 (StW 24)	H S 3	SPHE	–	D D 13	3C	–	–	–	–	1.0335	–
–	USt 4/DC 04 G	–	–	–	D C 04 G 1	–	–	–	–	–	1.0336	–
–	Ro St 4/DC 04 GT	–	–	–	DC 04 GT	–	–	–	–	–	1.0337	–
–	St 4	DC 04/FeP04	SPCE	–	Fe P04	Fe 14	DC04/FeP04	–	–	–	1.0338	–
–	DC01Cu	–	–	–	DC 01 Cu	–	–	–	–	–	1.0344	–
–	RR St 3	CR 3	SPCD	–	Fe P03	F 13	DC 03/FeP 03	–	–	–	1.0347	–
–	U H I/P 195GH	–	SGV 480	–	P 195 Gh	–	–	–	–	–	1.0348	–
–	St 14 Cu 3	–	–	–	DC 04 Cu	–	–	–	–	–	1.0354	–
–	–	3 CR	–	–	D D 12	D D 12	–	–	–	–	1.0398	–
1015	C 15	080 M 15	S 15 C	G10170	C 15	C 12	C 15	1350	–	–	1.0401	–
–	LSt 45.8	–	–	–	C 16	–	C 16	–	–	–	1.0407	–
–	C15D	–	SWRM 15	–	C 15 D	FM 15	C 15 D	–	–	–	1.0413	–
–	C20D	–	SWRM 20	–	C 20 D	FM 20	C 20 D	–	–	–	1.0414	–
–	C26D	–	SWRH 27	–	C 26 D	FM 26	C 26 D	–	–	–	1.0415	–
–	C18D	–	SWRM 17	–	C 18 D	FM 18	C 18 D	–	–	–	1.0416	–
–	RSt 44-2	440	–	G10160	–	–	–	–	–	–	1.0419	–
–	P265 NB	–	SG 295	–	P 265 NB	BS 2	–	–	–	–	1.0423	–
–	P 265 GH	151-400	SG 30	K02801	P 265 GH	A42CP	P 265 GH	1430	–	–	1.0425	–
–	C 22.3	–	–	–	C 22 G 1	–	–	–	–	–	1.0427	–
–	BSt 420 S	–	–	–	Fe B 400	–	–	–	–	–	1.0428	–
–	C 21	–	SFVC 1	K03504	P 305 GH	–	–	–	–	–	1.0432	–
–	GS-45	A1	SC 450	J03001	GE 230	E23-45M	–	1305	–	–	1.0446	–
–	TStE 275 (S 275 NL)	40EE	–	–	S 275 NL	S 275 NL	S 275 NL	–	–	–	1.0491	–
–	St 42.8	–	STPT 42	–	–	–	Fe 42	–	–	–	1.0498	–
–	S 335 N (StE 355)	50 E	–	–	S 355 N	E 355	S 355 N	2134	–	–	1.0545	–
–	S 355 NL (TStE 355)	50 E E	–	–	S 355 NL	E 355	S 355 N L	2135	–	–	1.0546	–
–	R 7 S 6/C 7 RG 2	–	–	–	C 7 RG 2	–	–	–	–	–	1.0709	–
B1112	9 S 20	220 M 07	SUM 21	G 11120	–	–	CF 9 S 22	–	–	–	1.0711	–
1213	9 SMn 28/11 SMn 30	230 M 07	SUM 22	G 12130	11 SMn 28	S 250	CF 9 SMn 28	1912	–	–	1.0715	–
12L13	9 SMnPb 28	–	SUM 22 L	G 12134	11 SMnPb 28	S 250 Pb	CF 9 SMnPb 28	1914	–	–	1.0718	–
–	15 S 22/15 S 20	En32M	SUM 32	–	15 S 22	–	–	1922	–	–	1.0723	–
–	15 SMn 13	15 SMn 13	–	–	15 SMn 13	15 SMn 13	–	–	–	–	1.0725	–
1215	9 SMn 36/11 S Mn 37	240 M 07	SUM 25	G 12150	11 SMn 37	S 300	CF 9 SMn 36	–	–	–	1.0736	–
12L14	9 SMnPb 36/11 SMnPb 37	–	–	G 12144	11 SMnPb 37	S 300 Pb	CF 9 SMnPb 36	1926	–	–	1.0737	–
–	11 SMnPbTe 37	11 SMn 37	–	–	11 SMn 37	–	–	–	–	–	1.0738	–
–	15 SPb 20/15 SPb 22	–	–	–	15 SPb 22	–	–	–	–	–	1.0753	–
–	36 SMn 14	36SMn14	–	–	36SMn14	36SMn14	–	–	–	–	1.0764	–
–	C10D2	–	–	–	C 10 D 2	FM 10	C 10 D 2	–	–	–	1.1114	–
–	Cq 10 (C 10 C)	–	SWRCH 10 K	–	C 10 KD	–	–	–	–	–	1.1122	–
–	C15D2	–	–	–	C 15 D 2	FM 15	C 15 D 2	–	–	–	1.1126	–
–	C 18D2	–	–	–	C 18 D 2	FM 18	C 18 D 2	–	–	–	1.1129	–

(continued)

P1 Workpiece Materials Listing • Steel • P1 *(continued)*

P1 Low-Carbon Steels, Short Chipping, Free Machining *Content: C <.25%* *Tensile Strength RM (MPa)*: <530* *Hardness (HB): <125*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	GS-16 Mn 5	–	–	–	G 17 Mn 5	G 17 Mn 5	G17Mn5	–	–	–	1.1131	–
–	C20D2	–	–	–	C 20 D 2	FM 20	C20D 2	–	–	–	1.1137	–
–	C26D2	–	–	–	C 26 D 2	FM 26	C26D 2	–	–	–	1.1139	–
–	GC 16 E/GS-Ck 16	–	–	–	GC 16 E	–	–	–	–	–	1.1142	–
–	C 16 E	C 16 E	–	–	C 16 E	XC 18	–	–	–	–	1.1148	–
–	Cm 22	070 M 20	C 22 R (3 C 22)	–	3 C 22	XC 18 u	C 22 R	–	–	–	1.1149	–
–	Ck 22	050 A 20	S 22 C	G10230	2 C 22	XC 25	C 20	–	–	–	1.1151	–
–	Cq 22	–	SWRCH20K	–	C 21 KD	–	CB 20 FF	–	–	–	1.1152	–
–	Ck 25	070 M 26	S 25 C	G10250	2 C 25	XC 25	C 25	–	–	–	1.1158	–
–	C2D1	–	–	–	C 2 D 1	–	C 2 D 1	–	–	–	1.1185	–
–	19 MnVS 6	–	–	–	19 MnVS 6	–	–	–	–	–	1.1301	–
–	PS 275 TM	S 275 M	–	–	S 275 M	S 275 M	S 275 M	–	–	–	1.8818	–
–	DI-MC 355 B	–	–	–	S 355 M	E 355	S 355 M	–	–	–	1.8823	–
–	DI-MC 420 B	S 420 M	–	–	S 420 M	E 420	S 420 M	–	–	–	1.8825	–
–	S 460 M	S 460 M	–	–	S 460 M	E460;S460M	S460M	–	–	–	1.8827	–
–	BTStE 355 TM	S 355 ML	–	–	S 355 ML	E 355	S 355 ML	–	–	–	1.8834	–
–	BTStE 420 TM	S 420 MI	–	–	S 420 ML	E 420	S 420 ML	–	–	–	1.8836	–
–	S 235 J 0 W (Allwesta 360)	S 235 J 0 W	SMA 400 BW	–	S 235 JO W	S 235 J 0 W	–	–	–	–	1.8958	–
–	S 355 J 0 W (Allwesta 510)	WR 50 B	SMA 490 BW	–	S 235 JO W	E24W-3	S 235 JO W	–	–	–	1.8959	–
–	WTSt 37-2/S235JRW	WR 50 B	SMA 41 A	K11538	S 235 JR W	E 24 W-2	–	–	–	–	1.8960	–
–	WTSt 37-3	WR 50 C	SMA 50 A	–	S 235 J2 W	S 235 J 2 W	Fe 360 D FF	–	–	–	1.8961	–
–	USt 42-2	–	SS 41	–	–	HS 18-0-2-10	–	–	–	–	1.0040	–
–	St 37-2	–	–	–	S 235 JRC	E 24-2	S 235 JRC	–	–	–	1.0120	–
–	S 235 JR G1F	–	–	–	S 235 JRG 1 F	–	–	–	–	–	1.0160	–
–	St 12	DC 01/Fe P01	SPCC	–	Fe P01	DC 01/fe P01	DC 01/FeP0 1	–	–	–	1.0330	–
–	GS-38	A1	–	–	GE 200	230-400M	–	1306	–	–	1.0420	–
–	GS-20 Mn 5	–	SMnC 420	H15220	–	–	–	–	–	–	1.1120	–
–	G 20 Mn 5	–	–	–	G 20 Mn 5	–	G 20 Mn 5	–	–	–	1.6220	–

P2 Workpiece Materials Listing • Steel • P2

P2 Medium- and High-Carbon Steels *Content: C >.25%* *Tensile Strength RM (MPa)*: >530* *Hardness (HB): <220 (HRC): <25*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	S 355 JR	En 50 B	SM 490 YA	–	S 1207	E36-2	Fe 510 BFN	–	–	–	1.0045	–
1035	C 35	060 A 35	S 35 C	G 10350	1 C 35	CC 35	C 35	1550	–	–	1.0501	–
1045	GS-C 45	080 M 46	S 45 C	G10450	1 C 45	CC 45	C 45	1650	–	–	1.0503	–
1040	C 40	080 M 40	S 40 C	G 10 400	1 C 40	C 40	C 40	–	–	–	1.0511	–
1046	S 355 K 2 G 4 Cu	–	–	G10460	S 355 K2 G4 Cu	–	–	–	–	–	1.0519	–
1030	C30	080 M 30	SUP 7	G 10 300	1 C 30	C C 32	C 30	–	–	–	1.0528	–
1055	C 55	070 M 55	S 55 C	J05000	1 C 55	C 55	C 55	1655	–	–	1.0535	–
1551	C 50 Pb	–	–	G15510	C 50 G Pb	–	–	–	–	–	1.0542	–
–	GS-60	A3	–	–	GE 300	320-560M	C 45	1606	–	–	1.0558	–
1037	36 Mn4	170 H 36	–	G10370	–	–	–	–	–	–	1.0561	–
–	PSt 52-3 (S 355 J2 G3 F)	–	–	–	S 355 J2 G3 F	–	FE 510 C	–	–	–	1.0572	–
–	S 355 J2H (RoSt 52-3)	50D	–	–	S355J2H	–	S355J2H	–	–	–	1.0576	–
1060	C 60	080 A 62	S 60 C-CSP	G 10600	1 C 60	AF 70 C 55	C 60	–	–	–	1.0601	–
1070	C 67	CS 70	S 70 C -CSP	G10700	1 CS 67	C 68	C 67	–	–	–	1.0603	–
1074	C 75	CS 80	–	G10740	1 CS 75	C 75	C 75	–	–	–	1.0605	–
1059	C58D	–	S 58 C	G10590	C 58 D	FM 58	C 58 D	–	–	–	1.0609	–
1075	C76D	–	–	G10750	C 76 D	FM 76	C 76 D	–	–	–	1.0614	–
1080	C86D	CS 80	–	G10860	C 86 D	FM 86	C 86 D	–	–	–	1.0616	–
1095	C92D	95 CS	–	G10950	C 92 D	–	C 92 D	–	–	–	1.0618	–
1110	U 10 S 10	–	SUM 12	G11100	–	–	–	–	–	–	1.0702	–
11L08	10 SPb 20	–	–	G 11084	10 SPb 20	10 Pb F 2	CF 10 SPb 20	–	–	–	1.0722	–
1140	35 S 20	212 M 36	–	G 11400	35 S 20	35 MF 4	–	1957	–	–	1.0726	–
1146	45 S 20	212 M 44	–	G 11460	45 S 20	45 MF 4	–	1973	–	–	1.0727	–
1151	60 S 20	–	–	G11510	60 S 20	60 MF 4	–	–	–	–	1.0728	–
1141	36 Mn 6	212 M 36	S Mn 443	G 11410	–	–	–	–	–	–	1.1127	–
1039	40 Mn 4	150 M 36	–	G10390	–	35 M 5	–	–	–	–	1.1157	–
1536	34 Mn 5	En15B	SS 55	G15360	–	–	–	–	–	–	1.1166	–
1030	Cq 35	–	F.1133 (C 35 DF)	G 10300	C 35 KD	–	CB 35	–	–	–	1.1172	–
1034	Ck 34	080 M 34	S 34 C	G 10340	2 C 34	–	C 34	–	–	–	1.1173	–
1038 H	Ck 38	–	–	G 10380	–	XF 38	–	–	–	–	1.1176	–
1030	Ck 30	080 M 30	S 30 C	G 10300	2 C 30	XC 32	C 30	–	–	–	1.1178	–
1034	Ck 35	080 M 36	S 35 C	G 10340	2 C 35	XC 38 H1	C 35	1572	–	–	1.1181	–
1035	Cf 35	060 A 35	S 35 C	G 10350	C 35 G	XC 38 TS	C 35	1572	–	–	1.1183	–
1040	Ck 40	080 A 40	S 40 C	G 10400	2 C 40	XC 42 H1	C 40	–	–	–	1.1186	–
1045	Cf 45	060 A 47	S 45 C	G10450	C 45 G	XC 42 TS	C 43	1672	–	–	1.1193	–
1055	Ck 55	070 M 55	S 55 C	G10550	2 C 55	XC 55 H1	C 55	1655	–	–	1.1203	–
1050	Ck 50	080 M 50	S 50 C	G10500	2 C 50	XC 48 H1	C 50	1674	–	–	1.1206	–
1055	Cm 55	070 M 55	–	G 10550	3 C 55	XC 55 H1	C 55 R	–	–	–	1.1209	–
1053	Ck 53	En43C	S 53 C	G 10530	–	–	–	–	–	–	1.1210	–
1050	Cf 53	060 A 57	S 50 C	G 10500	C 53 G	XC 48 TS	C 48	1674	–	–	1.1213	–
1060	Ck 60	060 A 62	S 58 C	G 10640	2 C 60	XC 60	C 60	1678	–	–	1.1221	–
1552	52 Mn 5	–	–	G15520	–	–	–	–	–	–	1.1226	–
1065	FD (Federstahldraht)	095 A 65	–	G10650	C 68 D	–	–	–	–	–	1.1230	–
1070	Ck 67	060 A 67	S 70 C-CSP	G 10700	C 67 S	XC 68	C 70	1770	–	–	1.1231	–
1069	Ck 68	–	–	G10690	C 70 D	–	–	–	–	–	1.1234	–
1080	Ck 75	060 A 78	C 75	G 10800	C 75 S	XC 75	C 75	1774	–	–	1.1248	–
–	Cf 70	–	–	–	C 70 G	XC 70	–	–	–	–	1.1249	–
1090	Ck 85	–	SK 5 -CSP	G 10900	C 85 S	XC 90	C 90	–	–	–	1.1269	–
1085	90 Mn 4	080 A 83	SUP4	G 10850	–	–	–	–	–	–	1.1273	–
1095	Ck 101	060 A 96	SUP_4	G 10950	C 100 S	XC 100	C 100	1870	–	–	1.1274	–
1050	C 50	080 M 50	S 50 C	G 10 500	1 C 50	C 50	C 50	1674	–	–	1.0540	–
–	St 52-3 G	4360-50 B	SM 50 YB	–	S 355 J 2 G 3	E 36-3	Fe 510 B	2132	–	–	1.0570	–
1078	C78D	–	SWRH 77 B	G10780	C 78 D	FM 78	C 78 D	–	–	–	1.0620	–
1035	Cm 35	080 M 36	–	G 10350	3 C 35	38 H1 k	C 35 R	1572-03	–	–	1.1180	–
1566	66 Mn 4	–	–	G15660	–	–	–	–	–	–	1.1260	–
1084	C 85 W	–	SK 5	G10840	C 90 U	Y3 90	–	–	–	–	1.1830	–

NOTE: For legend, see page Y217.

P3 Workpiece Materials Listing • Steel • P3

P3 Alloy Steels and Tool Steels *Content: C >.25%* *Tensile Strength RM (MPa)*: 600–850* *Hardness (HB): <330 (HRC): <35*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
1330	GS-30 Mn 5	120 M 36	SMn 433 H; SCMn 2	K13300	–	35 M 5	–	1330	–	–	1.1165	–
1330	28 Mn 6	150 M 28	SCMn 1	G 13300	28 Mn 6	35 M 5	C 28 Mn	–	–	–	1.1170	–
1335	36 Mn 5	150 M 36	SMn 438(H)	G13350	–	40 M 5	–	2120	–	–	1.1167	–
1345	StSch 90 C/GP 280 GH	–	–	G13450	GP 280 GH	GP 280 GH	GP 280 GH	–	–	–	1.0625	–
1513	P265	HR 40/30	–	G15130	–	12 M 5	–	–	–	–	1.0424	–
4142	43 CrMo 4	–	–	G41420	–	43 Cr Mo 4	–	–	–	–	1.3563	–
4147	48 CrMo 4	817 M 40	SNC 836	H41470	–	48 CrMo 4	–	–	–	–	1.3565	–
4419	GS-22 Mo 4	243-430	SCPH 11	G44190	G 20 Mo 5	G20Mo5	G 22 Mo 5	–	–	–	1.5419	–
4520	16 Mo 5	1503-245-420	SBC 690	K11522	–	–	16 Mo 5	–	–	–	1.5423	–
5015	15 Cr 3	523 M15	SCr 415 H	G50150	15 Cr 2	12 C 3	–	–	–	–	1.7015	–
5046	44 Cr 2	–	–	H50460	46 Cr 1 KD	44 Cr 2	–	–	–	–	1.3561	–
5115	16 MnCr 5	527 M 17	SCR 415	G 51150	16 MnCr 5 KD	16 MC 5	16 MnCr 5	2173	–	–	1.7131	–
5117	17 Cr 3	17 Cr 3	–	G51170	(15 Cr 2 KD)	18 C 3	–	–	–	–	1.7016	–
5130	28 Cr 4	530 A 30	–	G51300	28 Cr 4	30 CD 4	–	–	–	–	1.7030	–
5140	41 Cr 4	530 M 40	SCr 440 H	G51400	41 Cr 4	42 C 4	41 Cr 4	–	–	–	1.7035	–
5140	42 Cr 4	530 A 40	SCr 440	–	40 NiCrMo 3	42 C 4 TS	40 NiCrMo 3	2245	–	–	1.7045	–
9255	51 Si 7	250 A 53	–	G92550	–	51 S 7	48 Si 7	2090	–	–	1.0903	–
9255	55 Si 7	250 A 53	SKH 1; SKT 4	G92550	55 NiCrMoV 7	55 S 7	55 Si 8	2085	–	–	1.0904	–
9260	60 Si 7	251 A 60	–	G92600	60 Si 7	60 S 7	60 Si 7	–	–	–	1.5027	–
9262	60 SiCr 7	250 A 61	SUP 7	G92620	60 SiCr 8	60 SC 7	60 SiCr 8	–	–	–	1.0961	–
9262	60 SC 7	–	–	G92620	60 SiCr 8	61 SC 7	60 SiCr 8	–	–	–	1.5092	–
9262	60 SiCr 7	–	–	–	60 SiCr 8	–	–	–	–	–	1.7108	–
15B21 H	19 MnB 4	170 H 20	SWRCHB 420	H15211	19 MnB 4	20 MB 5	–	–	–	–	1.5523	–
15B21 H	20 MnB 5	–	SWRCHB 620	–	20 MnB 5	20 MnB 5	20 MnB 5	–	–	–	1.5530	–
50B40	37 CrB 1	120 M 36	SMnC 3 H	H50401	38 Cr 2	–	35 CB 1	–	–	–	1.7007	–
5130 H	34 Cr 4	530 A 32	SCr 430 H	G51300	34 Cr 4 KD	32 C 4	34 Cr 4 KB	–	–	–	1.7033	–
5132 H	37 Cr 4	530 A 36	SCr 435 H	G51320	37 Cr 4	38 C 4	36 CrMn 4	–	–	–	1.7034	–
A 204 Gr. A	15 Mo 3	1501-240	STFA 12	K11820	16 Mo 3	15 D3	16 Mo 3 KW	2912	–	–	1.5415	–
A 350-LF 5	10 Ni 14	503	SL 3 N 26	K31718	12 Ni 14	12Ni14	18 Ni 14 KT	–	–	–	1.5637	–
A 387 Gr. 12 Cl. 2	16 CrMo 4 4	–	–	K11564	–	–	A 18 CrMo 4 5 KW	–	–	–	1.7337	–
A 570 Gr. 36	St 37-3	4360-40 C	–	K01501	S 235 J2 G3	Fe 360 D1(2); E 24-3	Fe 360 D1(2)	1312	–	–	1.0116	–
A 570 Gr. 40	St 44-2	4360-43 B	SM 41 B	K 02502	S 275 JR	E 28-2	Fe 430 BFN	1412	–	–	1.0044	–
A 570 Gr. 50	St 50-2	4360-50 B	SS 50	–	E 295	A 50-2	Fe 490	2172	–	–	1.0050	–
A 573 Gr. 70	St 44-3	4360-43 C	SM 41 B	–	Fe 430 D1(2); S 275 J2 G3 (4)	Fe 430 D1(2); E 28-4	Fe 430 D FF	1414	–	–	1.0144	–
A 633 Gr. C	St E 355	P 355 N	SM 50 YB	K12000	P 355 N	E 355 R/FP	Fe E 355 KG	2132	–	–	1.0562	–
A 633 Gr. E	St E 420	S 420 N	SM 50 C	K02002	FeE 420 KGN	E 420-I	Fe E 420 KG	2143	–	–	1.8902	–
A 633 Gr. E	St E 460	P 460 N	SM 53 B	K02900	P 460 N	E 460-I	Fe E 460 KG	2143	–	–	1.8905	–
A-6	C 67 W	–	–	T30106	–	Y1 70	–	–	–	–	1.1744	–
E 52100	100 Cr 6	535 A 99	SUJ 2	G52986	100 Cr 6	100 C 6	100 Cr 6	2258	–	–	1.3505	–
O 2	90 MnCrV 8	BO 2	–	T31502	90 Mn V 8	90 MV 8	90 MnVCr 8 KU	–	–	–	1.2842	–
P21	90 Cr 3	–	–	T51621	–	–	–	–	–	–	1.2056	–
P3	10 NC 6	–	–	T51603	15 NiCr 6	10 NC 6	–	–	–	–	1.5713	–
P6	15 NiCr 14	–	SNC 22	T51606	–	10 NC 12	–	–	–	–	1.2735	–
T 8	C 80 W2	BW 1B	SKC 3	T12008	–	Y1 80	C 80 KU	–	–	–	1.1625	–
W 108	C 80 W1	–	–	T72301	C 80 U	Y1 90	C 80 KU	1880	–	–	1.1525	–
W 110	C 105 W1	B W 1 A	–	T72301	C 105 U	Y 105	C 100 KU	1880	–	–	1.1545	–
W 112	C 125 W	–	–	–	C 125 U	–	–	–	–	–	1.1563	–
W 112	C 125 W	–	SK 2	T72301	C 120 U	Y2 120	C 120 KU	–	–	–	1.1663	–
W 210	100 V 1	BW 2	SKS 43	T72302	100 V 2	Y1 105 V	102 V 2 KU	–	–	–	1.2833	–
–	St 50-1	–	–	–	–	–	–	–	–	–	1.0052	–
–	S 235 JO/ Fe 360 C	En 40C	–	–	S 235 JO	E24-3	Fe 360 CFN	–	–	–	1.0114	–
–	QSt 37-3	–	SWRCH 12R	–	–	–	–	–	–	–	1.0123	–
–	S 275 J0	En43C; S275J0	–	–	S 275 J0/ Fe 430 C	S 275 J0; E 28-3	S275J0; Fe430CFN	–	–	–	1.0143	–
–	S 275 J2 G4/ Fe 430 D 2	S 275 J2 G4	–	–	S 275 J2 G4	E28-4; S 275 J2 G4	S 275 J2 G4	1414	–	–	1.0145	–
–	Ro St 44-2	43C	–	–	S 275 J0 H	–	S 275 J0 H	–	–	–	1.0149	–
–	St 37.0	–	STPG 38	–	P 235 T1	–	–	–	–	–	1.0254	–
–	C9D	–	SWRM 8	–	C 9 D	FM 9	C 9 D	–	–	–	1.0304	–
–	C7D	C 7 D	SWRM 8	G10060	C 7 D	FM 8	C 7 D	–	–	–	1.0313	–
–	P235 GH	P 235 GH	SPV 50	K02503	P 235 GH	A 37 CP	Fe E 235	1330	–	–	1.0345	–
–	C 25 Pb	–	–	–	C 25 GPb	–	–	–	–	–	1.0411	–
–	L 245 MB	430	–	K03006	L 245 MB	L 245 MB	–	–	–	–	1.0418	–
–	P310 NB	224-410	SG 325	K02100	P280GH	BS 2	P 275 N	2103	–	–	1.0426	–
–	L 290 MB	–	–	–	L290MB	L 290 MB	–	–	–	–	1.0429	–
–	H III/P285NH	–	Sm 38	–	P 285 NH	–	–	–	–	–	1.0435	–
–	P310 NB	224-430	SG 325	K02100	P305GH	P 275 N	P 275 N	2103	–	–	1.0436	–
–	A St 41	P 275 N	STK 400	K02100	S 275 N	BS 3	P 275 N	2103	–	–	1.0437	–
–	B 500 A	–	SD 490	–	B 500 A	–	B 500 A	–	–	–	1.0438	–
–	H IV/P295NH	–	SG 37	K03102	–	–	Fe 460-2 KW	–	–	–	1.0445	–
–	StE 240.7	–	–	–	L 245 NB	L 245 NB	–	–	–	–	1.0457	–
–	TStE 255	–	–	K11535	–	–	–	–	–	–	1.0463	–
–	15 Mn 3 Al	–	–	–	C 14 GAl	–	–	–	–	–	1.0468	–
–	19 Mn 6/P 355 GH	P 355 GH	SGV 46	K03300	P355GH	A 52 CP	Fe E355-2	2101	–	–	1.0473	–
–	17 Mn 4/P 295 GH	224-460B	SG 37	K03501	P 295 GH	A 48 CP	Fe E 295	2102	–	–	1.0481	–
–	19 Mn 5	224-460	SG 37	K 03102	–	A 52 CP; AP; FP	Fe 460- 2 KW	–	–	–	1.0482	–
–	L 290 AG	–	–	–	L290GA	TS E 290	–	–	–	–	1.0483	–
–	L 290 NB	–	–	–	L290NB	L 290 NB	–	–	–	–	1.0484	–
–	21 Mn 6	–	–	K12320	–	–	–	–	–	–	1.0485	–
–	St E 285	P 275 N	SM 41 A	K 01802	P 275 N	P 275 N	Fe E 285 KG	–	–	–	1.0486	–
–	W St E 285	P 275 N	–	K 01802	P 275 NH	P 275 N	Fe E 285 KW	–	–	–	1.0487	–
–	T St E 285	P 275 NL 1	SLA 235 A	K 01803	P 275 NL 1	P 275 NL 1	Fe E 285 KT	–	–	–	1.0488	–
–	H 300/ZSt E 300	H280LA	–	–	H 280 LA	E 280 C	–	–	–	–	1.0489	–
–	S 275 NH	S 275 NH	–	–	S 275 NH	–	S 275 NH	–	–	–	1.0493	–
–	S 275 NLH	S275NLH	–	–	S 275 NLH	–	S275NLH	–	–	–	1.0497	–
–	C 35 Pb/C 35 GPb	–	–	–	C 35 Pb	–	–	–	–	–	1.0502	–
–	St E 315/P 315N	–	SM 50 A	K11506	P 315 N	–	Fe E 315 KG	–	–	–	1.0505	–
–	W St E 315	–	SNC 1	K02404	P 315 NH	–	Fe E 315 KW	2107	–	–	1.0506	–
–	St 55	–	STKM 16A	–	–	–	Fe 540	–	–	–	1.0507	–
–	T St E315	–	SLA 325 A	K02404	P 315 NL	–	–	2106	–	–	1.0508	–
–	C 40 Pb	–	–	–	C 40 G Pb	–	–	–	–	–	1.0512	–
–	C38D	–	SWRH 37	–	C 38 D	FM 38	C 38 D	–	–	–	1.0516	–
–	C48D	–	SWRH 48	–	C 48 D	FM 48	C 48 D	–	–	–	1.0517	–
–	C56D	–	–	–	C 56 D	FM 56	C 56 D	–	–	–	1.0518	–
–	S 355 NH	S 355 NH	–	–	S 355 NH	–	S 355 NH	–	–	–	1.0539	–
–	C42D	–	SWRH 42 B	–	C 42 D	FM 42	C 42 D	–	–	–	1.0541	–
–	S 355 JO H	50 C	–	–	S 355 JO H	–	S 355 JO H	–	–	–	1.0547	–
–	ZStE 340/ H 340	H 320 L A	–	–	H 320 LA	E 315 C	–	–	–	–	1.0548	–
–	S 335 NLH	50 EE	–	–	S 355 N LH	–	S 355 N L H	–	–	–	1.0549	–
–	S 355 JO	En 50 C; S 355 JO	SM 520 M	–	S 355 JO	S 355 JO; E 36-3	S 355 JO; Fe 510 C FN	–	–	–	1.0553	–
–	GS-70	50 C	–	–	S 355 JO C	E 36-3	Fe 510 C	–	–	–	1.0554	–

(continued)

P3 Workpiece Materials Listing • Steel • P3 *(continued)*

P3 Alloy Steels and Tool Steels *Content: C >.25%* *Tensile Strength RM (MPa)*: 600–850* *Hardness (HB): <330 (HRC): <35*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	ZStE 420/H 420	46/40HR, HS, CS	–	–	H 400 LA	H 400 LA	–	–	–	–	1.0556	–
–	P355 NB	–	SG 365	–	P 355 NB	BS 4	–	–	–	–	1.0557	–
–	W St E 355	P 355 NH	–	K01600	P 355 NH	P 355 NH	Fe E 355 KW	–	–	–	1.0565	–
–	T St E355	P 355 NL1	SLA 37	–	P 355 NL1	P 355 NL1	Fe E 355 KT	–	–	–	1.0566	–
–	P355 QH1	P 355 QH	–	–	P 355 QH	P 355 QH	–	–	–	–	1.0571	–
–	S 355 J 2 G 4	S 355 J 2 G 4	–	–	S 355 J 2 G 4	S 355 J 2 G 4	S 355 J 2 G 4	–	–	–	1.0577	–
–	L 360 MB	–	–	–	L 360 MB	L 360 MB	–	–	–	–	1.0578	–
–	St 52.4	–	STS 49	–	–	–	–	–	–	–	1.0581	–
–	L 360 NB/StE 360.7	–	–	–	L360NB	L 360 NB	–	–	–	–	1.0582	–
–	S 355 J 2 G 3 Cu/St 52-3 Cu3	–	–	–	S 355 J2 G3 Cu + CR	–	–	–	–	–	1.0585	–
–	C50D	–	–	–	C 50 D	FM 50	C 50 D	–	–	–	1.0586	–
–	QSt 52-3 Cu 3	–	–	–	S 355 J2 G3 Cu C	–	–	–	–	–	1.0587	–
–	D 53-2	–	SWRH 52 B	–	C 52 D	FM 52	C 52 D	–	–	–	1.0588	–
–	S 355 J 2 G 4 Cu	–	–	–	S 355 J2 G4 Cu	–	–	–	–	–	1.0592	–
–	S355k2G3/Fe 510 DD1 (MULTIST)	S 355 K 2 G 3	SM 520 C	K02505	S 355 K 2 G 3	E36-4	S 355 K 2 G 3	–	–	–	1.0595	–
–	S355K2G4/Fe 510 DD 2 (MULTIST)	S 355 K 2 G 4	–	–	S 355 K 2 G 4	S 355 K 2 G 4	S 355 K 2 G 4	–	–	–	1.0596	–
–	C62D	–	SWRH 62 B	–	C 62 D	FM 62	C 62 D	–	–	–	1.0611	–
–	C66D	–	–	–	C 66 D	FM 66	C 66 D	–	–	–	1.0612	–
–	C68D	–	SWRH 67 B	–	C 68 D	FM 68	C 68 D	–	–	–	1.0613	–
–	C70D	–	–	–	C 70 D	FM 70	C 70 D	–	–	–	1.0615	–
–	C72D	–	SWRH 72 B	–	C 72 D	FM 72	C 72 D	–	–	–	1.0617	–
–	GS-C 25	–	SCPH 1	–	GP 240 GH	GP 240 GH	GP 240 Gh	–	–	–	1.0619	–
–	C80D	–	–	–	C 80 D	FM 80	C 80 D	–	–	–	1.0622	–
–	C82D	–	SWRH 82 B	–	C 82 D	FM 82	C 82 D	–	–	–	1.0626	–
–	35 SPb 20	35 SPb 20	–	–	35 SPb 20	35 SPb 20	–	–	–	–	1.0756	–
–	45 SPb 20	–	–	–	46 SPb 20	–	–	–	–	–	1.0757	–
–	38 SMnPb 28	38 SMnPb 28	–	–	38 SMnPb 28	38 SMnPb 28	–	–	–	–	1.0761	–
–	44 SMn 28	44 SMn 28	–	–	44 SMn 28	44 SMn 28	–	–	–	–	1.0762	–
–	44 SMnPb 28	44 SMnPb 28	–	–	44 SMnPb 28	44 SMnPb 28	–	–	–	–	1.0763	–
–	36 SMnPb 14	36 SMnPb 14	–	–	36 SMnPb 14	36 SMnPb 14	–	–	–	–	1.0765	–
–	QSt E 690 TM (S 700 MC)	–	–	–	S 700 MC	S 690 MC	S 700 MC	–	–	–	1.0966	–
–	QSt E 260 N 7 S 260 NC	–	AE 275 NC	–	S 260 NC	–	S 260 NCX	–	–	–	1.0971	–
–	QSt E 300 TM/S 315 MC	43 F35 HR, HS, CS	–	–	S 315 MC	E 315 D	S 315 MC	–	–	–	1.0972	–
–	QSt E 300 N 7/ S 315 NC	–	AE 340 NC	–	S 315 NC	–	S 315 NC	–	–	–	1.0973	–
–	QSt E340 TM	HR 40/30	–	–	S 340 MC	E 335 D	–	–	–	–	1.0974	–
–	QSt E340 N	–	–	–	S 340 NC	–	Fe E 355 TD	–	–	–	1.0975	–
–	QSt E 360TM	–	–	–	S 355 MC	E 355 D	Fe E 355 TM	–	–	–	1.0976	–
–	QSt E360 N	–	–	–	S 355 NC	–	Fe E 355 TD	–	–	–	1.0977	–
–	QSt E380 TM	–	–	–	S 380 MC	E 390 D	–	–	–	–	1.0978	–
–	QSt E380 N	–	–	–	S 380 NC	–	Fe E 380 TD	–	–	–	1.0979	–
–	QSt E420 TM	HR 50 F 45	–	–	S 420 MC	E 430 D	Fe E 420 TM	–	–	–	1.0980	–
–	QSt E 420 N	–	–	–	S 420 NC	–	Fe E 420 TD	–	–	–	1.0981	–
–	QSt E 460 TM	50/45 HR	–	–	S 460 MC	E 445 D	–	–	–	–	1.0982	–
–	QSt E 460 N	–	–	–	S 460 NC	–	Fe E 460 TD	–	–	–	1.0983	–
–	QSt E500 TM	–	–	–	S 500 MC	E 490 D	Fe E 490 TM	2662	–	–	1.0984	–
–	QSt E500 N	–	–	–	S 500 NC	–	–	–	–	–	1.0985	–
–	QSt E550 TM	60/55 HS	–	–	S 550 MC	E 560 D	Fe E 560 TM	–	–	–	1.0986	–
–	QSt E550 N	–	–	–	S 550 NC	–	–	–	–	–	1.0987	–
–	EStE 285	P 275 NL 2	STK 400	–	P 275 NL 2	P 275 NL 2	P 275 NL 2	–	–	–	1.1104	–
–	EStE 315	–	–	–	S 315 NL 1	–	–	–	–	–	1.1105	–
–	EStE 355	P 355 NL 2	STK 500	–	P 355 NL 2	P 355 NL 2	P 355 NL 2	–	–	–	1.1106	–
–	C5D2	–	–	–	C 5 D 2	FM 6	C 5 D 2	–	–	–	1.1111	–
–	C8D2	–	–	–	C 8 D 2	FM 8	C 8 D 2	–	–	–	1.1113	–
–	C 10 E W/RSD 11	–	–	–	C 10 EW	–	–	–	–	–	1.1115	–
–	C32D2	–	–	–	C 32 D 2	FM 32	C 32 D 2	–	–	–	1.1143	–
–	C36D2	–	–	–	C 36 D 2	FM 36	C 36 D 2	–	–	–	1.1145	–
–	C40D2	–	–	–	C 40 D 2	FM 40	C 40 D 2	–	–	–	1.1153	–
–	C42D2	–	–	–	C 42 D 2	FM 42	C 42 D 2	–	–	–	1.1154	–
–	C46D2	–	–	–	C 46 D 2	FM 46	C46D 2	–	–	–	1.1162	–
–	C 25 R	C 25 R	–	–	C 25 R	C 25 R	C 25 R	–	–	–	1.1163	–
–	C48D2	–	–	–	C 48 D 2	FM 48	C48 D 2	–	–	–	1.1164	–
–	20 Mn 6	150 M 19	–	–	–	20 M 5	20 Mn 6	–	–	–	1.1169	–
–	C50D2	–	–	–	C 50 D 2	FM 50	C50D 2	–	–	–	1.1171	–
–	C 30 R	C 30 R	C 30 R (3 C 30)	–	C 30 R	C 30 R	C 30 R	–	–	–	1.1179	–
–	C3D1	–	–	–	C 3 D 1	–	C 3 D 1	–	–	–	1.1187	–
–	C40R/Cm 40	C 40 R	–	–	C 40 R	C 40 R	C 40	–	–	–	1.1189	–
–	Ck 45	080 M 46	S 45 C	–	2 C 45	XC 42	C 40	1672	–	–	1.1191	–
–	Cq 45	–	SWRCH45K	–	C 45 KD	–	–	–	–	–	1.1192	–
–	C 45 R	080 M 46	S 50 C	–	C 45 R	XC 48 H1u	C 45 R	1672	–	–	1.1201	–
–	C52D2	–	–	–	C 52 D 2	FM 52	C 52 D 2	–	–	–	1.1202	–
–	C 53 R/Cm 53	–	–	–	C 53 R	–	–	–	–	–	1.1205	–
–	C 10 R	C 10 R	–	–	C 10 R	C 10 R	–	–	–	–	1.1207	–
–	C 16 R	C 16 R	–	–	C 16 R	C 16 R	–	–	–	–	1.1208	–
–	C58D2	–	–	–	C 58 D 2	FM 58	C 58 D 2	–	–	–	1.1212	–
–	C62D2	–	–	–	C 62 D 2	FM 62	C 62 D 2	–	–	–	1.1222	–
–	Cm 60	C 60 R	–	–	3 C 60	C 60 R	C 60 R	–	–	–	1.1223	–
–	C60D2	–	–	–	C 60 D 2	FM 60	C 60 D 2	–	–	–	1.1228	–
–	C68D2	–	–	–	C 68 D 2	FM 68	C 68 D 2	–	–	–	1.1232	–
–	C66D2	–	–	–	C 66 D 2	FM 66	C 66 D 2	–	–	–	1.1236	–
–	C50R	C 50 R	–	–	C 50 R	FM 50	C 50 R	–	–	–	1.1241	–
–	C72D2	–	–	–	C 72 D 2	FM 72	C 72 D 2	–	–	–	1.1242	–
–	C70D2	–	–	–	C 70 D 2	FM 70	C 70 D 2	–	–	–	1.1251	–
–	C78D2	–	–	–	C 78 D 2	FM 78	C 78 D 2	–	–	–	1.1252	–
–	C76D2	–	–	–	C 76 D 2	FM 76	C 76 D 2	–	–	–	1.1253	–
–	C80D2	–	–	–	C 80 D 2	FM 80	C 80 D 2	–	–	–	1.1255	–

NOTE: For legend, see page Y217.

(continued)

P3 Workpiece Materials Listing • Steel • P3 *(continued)*

P3 Alloy Steels and Tool Steels *Content: C >.25%* *Tensile Strength RM (MPa)*: 600–850* *Hardness (HB): <330 (HRC): <35*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	C82D2	–	–	–	C 82 D 2	FM 82	C 82 D 2	–	–	–	1.1262	–
–	C86D2	–	–	–	C 86 D 2	FM 86	C 86 D 2	–	–	–	1.1265	–
–	C88D2	–	–	–	C 88 D 2	–	C 88 D 2	–	–	–	1.1272	–
–	C92D2	–	–	–	C 92 D 2	–	C 92 D 2	–	–	–	1.1282	–
–	C98D2	–	–	–	C 98 D 2	–	C 98 D 2	–	–	–	1.1283	–
–	46 MnVS 6	–	–	–	46 MnVS 6	–	–	–	–	–	1.1304	–
–	C 90 U	–	–	–	C90U	–	–	–	–	–	1.1535	–
–	85 Cr 1	–	–	–	–	Y1 100 C 2	–	–	–	–	1.2004	–
–	140 Cr 3	–	SKS 8	–	140 Cr 2	Y2 140 C	–	–	–	–	1.2008	–
–	21 MnCr 5	–	SCR 420 H	–	21 MnCr 5	20 NC 5	–	–	–	–	1.2162	–
–	40 CrMnNiMo 8 6 4	–	–	–	40 CrMnNiMo 8-6-4	–	–	–	–	–	1.2738	–
–	16 CrNiMo 6	820A16	–	–	–	16 NCD 6	16NiCrMo6	–	–	–	1.3531	–
–	100 CrMn 7 3	–	–	–	100 CrMnMo 7	100 CD 7	–	–	–	–	1.3536	–
–	100 CrMo 7	–	SUS 4	K19965	100 CrMo 7	100 CD 7	100CrMo7	–	–	–	1.3537	–
–	100 CrMnMo 8	–	–	–	–	100 CrMnMo 8	–	–	–	–	1.3539	–
–	46 Si 7	–	–	–	45 Si	46 S 7	–	–	–	–	1.5024	–
–	55 Si 7	250 A 53	–	G92550	56 Si 7	55 S 7	55 Si 8	2085	–	–	1.5026	–
–	37 MnSi 5	–	–	–	–	38 MS 5	–	F.130.A	–	–	1.5122	–
–	15 MnMoV 4 5	–	–	–	15 MnMoV 4-5	15 MDV 4.05	–	–	–	–	1.5402	–
–	11 MnMo 4 5	–	–	K11123	11 MnMo 45 KE	–	–	–	–	–	1.5425	–
–	13 MnMo 6 5	–	–	K11424	11 MnMo 65 KE	–	–	–	–	–	1.5426	–
–	35 B 2	–	SWRCHB 237	–	C 35 B	35 B 3	–	–	–	–	1.5511	–
–	24 Ni 8	–	SCPL 21	J22501	G 9 Ni 10	22 N 8	G9Ni10	–	–	–	1.5633	–
–	10 NiCr 5 4	10NiCr5-4	–	–	10 NiCr 5-4	10 NiCr 5-4	–	–	–	–	1.5805	–
–	18 MnMoNi 5 5	–	–	–	18 MnMoNi 5-5	–	–	–	–	–	1.6308	–
–	20 MnMoNi 4 5	–	SQV 2 B	K12539	20 MnMoNi 4-5	–	–	–	–	–	1.6311	–
–	15 MnCrMoNiV 5 3	–	–	–	15 MnCrMoNiV 5-3	–	–	–	–	–	1.6920	–
–	17 CrS 3	17 CrS3	–	–	17 CrS 3	17 CrS 3	–	–	–	–	1.7014	–
–	28 CrS 4	–	–	–	28CrS4	28CrS4	–	–	–	–	1.7036	–
–	34 CrS 4	34 CrS 4	–	–	34 CrS 4	34 CrS 4	34 CrS 4	–	–	–	1.7037	–
–	41 CrS 4	41 CrS 4	–	–	41 CrS 4	41 CrS 4	41 CrS 4	2245	–	–	1.7039	–
–	38 Cr 4	–	–	–	38 Cr 4	–	38 Cr 4	–	–	–	1.7043	–
–	16 CrMo 4	18 CrMo4	SCM 418 H	–	18 CrMo 4	15 CD 3.5	18 CrMo 4	–	–	–	1.7242	–
–	12 CrMo 11 10	–	–	–	–	–	–	–	–	–	1.7305	–
–	22 CrMoS 3 5	–	–	–	22 CrMoS 3-5	22 CrMoS 3-5	–	–	–	–	1.7333	–
–	12 CrMo 19 5	3606-625	SCMV 6	K41545	X 12 CrMo 5	Z 10 CD 5.05	16 CrMo 20 5	–	–	–	1.7362	–
–	X 7 CrMo 6 1	B 5	–	S50281	CM 5-IG	–	–	–	–	–	1.7373	–
–	51 CrMoV 4	–	–	–	51 CrMoV 4	51 CDV 4	51 CrMoV 4	–	–	–	1.7701	–
–	21 CrMoV 5 7	–	–	K14073	21 CrmoV 5-7	20 CDV 5.07	–	–	–	–	1.7709	–
–	20 CrMoVTiB 4 10	–	–	–	20 CrMoVTiB 4-10	20 CrMoVTiB 4-10	–	–	–	–	1.7729	–
–	PS 275 TMK	S 275 ML	–	–	S 275 ML	S 275 ML	S 275 ML	–	–	–	1.8819	–
–	S 500 M	–	–	–	S 500 m	–	–	–	–	–	1.8829	–
–	BTStE 460 TM	S 460 ML	–	–	S 460 ML	E 460	S 460 ML	–	–	–	1.8838	–
–	S 500 ML	–	–	–	S 500 ML	–	–	–	–	–	1.8839	–
–	S 275 MH	–	–	–	S 275 MH	–	S 275 MH	–	–	–	1.8843	–
–	S 275 MLH	–	–	–	S 275 MLH	–	S 275 MLH	–	–	–	1.8844	–
–	S 355 MH	–	–	–	S 355 MH	–	S 355 MH	–	–	–	1.8845	–
–	S 355 MLH	–	–	–	S 355 MLH	–	S 355 MLH	–	–	–	1.8846	–
–	S 420 MH	–	–	–	S 420 MH	–	S 420 MH	–	–	–	1.8847	–
–	S 420 MLH	–	–	–	S 420 MLH	–	S 420 MLH	–	–	–	1.8848	–
–	S 460 MH	–	–	–	S 460 MH	–	S 460 MH	–	–	–	1.8849	–
–	StE 460	S 460 N	–	–	S 460 N	E 460	S 460N	–	–	–	1.8901	–
–	TStE 460	S 460 L	–	–	S 460 NL	E460	S 460 NL	–	–	–	1.8903	–
–	S 550 Q	–	–	–	S 550 Q	E 550	S 550 Q	–	–	–	1.8904	–
–	S 460 Q	55 F	–	–	S 460 Q	E 460	S 460 Q	–	–	–	1.8908	–
–	S 420 NL/TStE 420	S 420 NL	STK 540	K02002	S 420 NL	E 420 T-I	Fe E 420 KT	–	–	–	1.8912	–
–	S 620 Q	–	–	–	S 620 Q	E 620	S 620 Q	–	–	–	1.8914	–
–	T St E 460/P460NL1	P 460 NL 1	–	K02900	P 460 NL1	E 460 T-I	Fe E 460 KT	–	–	–	1.8915	–
–	S 460 QL1	55 F	–	–	S 460 QL 1	–	–	–	–	–	1.8916	–
–	T St E 500	–	–	K02001	–	E 500 T-I	–	–	–	–	1.8917	–
–	EStE 460/P460NI2	P 460 NL 2	–	–	P 460 NL 2	P 460 NL 2	P 460 NL 2	–	–	–	1.8918	–
–	EStE 500/S500NL1	–	–	–	S 500 NL 1	–	–	–	–	–	1.8919	–
–	TStE 690 VA/S690G1QL	–	–	–	S 690 G 1 QL	–	–	–	–	–	1.8920	–
–	TStE 690 VB/S690G2QL	–	–	K11646	S 690 G 2 QL	–	–	–	–	–	1.8921	–
–	S 690 G 4 QL/TStE 690 VC	–	–	–	S 690 G 4 QL	–	–	–	–	–	1.8922	–
–	S 590 QL/TStE 590 V	–	–	–	S 590 QL	–	–	–	–	–	1.8923	–
–	S 500 Q (StE 500 V)	–	–	–	S 500 Q	E 500	S 500 Q	2614	–	–	1.8924	–
–	S 890 QL 1 (EStE 90 V)	–	–	–	S 890 QL 1	–	–	–	–	–	1.8925	–
–	S 690 QL (TStE 690 V)	–	SHY 685 NS	–	S 690 QL	–	–	–	–	–	1.8928	–
–	S 690 Q/StE 690 V	–	SHY 685 N	–	S 690 Q	E 690	S 690 Q	–	–	–	1.8931	–
–	WSt E 420/P420NH	S 420 NL	STK 540	K02002	S 420 NL	S 420 NL	Fe E 420 KW	–	–	–	1.8932	–
–	S 960 QL/TStE 960 V	–	–	–	S 960 QL	–	–	–	–	–	1.8933	–
–	WSt E 460/P460NH	P 460 NH	–	K02900	P 460 NH	P 460 NH	Fe E 460 KW	–	–	–	1.8935	–
–	S 960 Q	–	–	–	S 960 Q	E 960 T-II	S 960 Q	–	–	–	1.8941	–
–	S 355 J 0 WP	WR 50 A	–	–	S 355 J0 WP	E 36 W-A3	S 355 J0 WP	–	–	–	1.8945	–
–	S 355 J 2 WP	S 355 J 2 WP	–	–	S 355 J2 WP	E36W-A4	S 355 J2 WP	–	–	–	1.8946	–
–	L 415 QB	–	–	–	L 415 QB	L 415 QB	–	–	–	–	1.8947	–
–	L 360 QB	–	–	–	L 360 QB	L 360 QB	–	–	–	–	1.8948	–
–	L 450 QB	–	–	–	L 450 QB	L 450 QB	–	–	–	–	1.8952	–
–	S 460 NH (FGS 47)	–	–	–	S 460 NH	–	S 460 NH	–	–	–	1.8953	–
–	L 485 QB	–	–	–	L 485 QB	L 485 QB	–	–	–	–	1.8955	–
–	S 460 NLH/FG S 47	–	–	–	S 460 NLH	–	S460NLH	–	–	–	1.8956	–
–	L 555 QB	–	–	–	L 555 QB	L 555 QB	–	–	–	–	1.8957	–
–	9 CrNiCuP 3 2 4	WR 50 A	SPA-H	K11430	–	–	–	–	–	–	1.8962	–
–	WTSt 52-3	WR 50 C	SMA 58 W	K11430	S 355 J 2 G 1 W	E 36 W-A2	–	–	–	–	1.8963	–
–	S 355 J 2 G 2 W	S 355 J 2 G 2 W	–	–	S 355 J 2 G 2 W	S 355 J 2 G 2 W	S 355 J 2 G 2 W	–	–	–	1.8965	–

(continued)

P3 Workpiece Materials Listing • Steel • P3 *(continued)*

P3 Alloy Steels and Tool Steels *Content: C >.25%* *Tensile Strength RM (MPa)*: 600–850* *Hardness (HB): <330 (HRC): <35*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	S 355 K 2 G 1 W	S 355 K 2 G 1 W	SMA 490 CW	–	S 355 K2 G1 W	S 355 K2 G1 W	S 355 K 2 G 1 W	–	–	–	1.8966	–
–	S 355 K 2 G 2 W	S 355 K 2 G 2 W	–	–	S 355 K2G2W	S 355 K 2 G 2 W	S 355 K 2 G 2 W	–	–	–	1.8967	–
–	QStE 600 TM/S 600 MC	–	–	–	S 600 MC	E 620 D	S 600 MC	–	–	–	1.8969	–
–	StE 415..7/L 415 NB	–	–	–	L 415 NB	L 415 NB	–	–	–	–	1.8972	–
–	StE 415.7 TM/L 415 MB	–	–	–	L 415 MB	L 415 MB	–	–	–	–	1.8973	–
–	S 700 MC (QStE 690 TM)	–	–	–	S 700 MC	E 690 D	S 700 MC	–	–	–	1.8974	–
–	L 450 MB/StE 445.7 TM	–	–	–	L 450 MB	L 450 MB	–	–	–	–	1.8975	–
–	S 650 MC (QStE 650 TM)	–	–	–	S 650 MC	E 620 D	S 650 MC	–	–	–	1.8976	–
–	L 485 MB/StE 480.7 TM	–	–	–	L 485 MB	L 485 MB	–	–	–	–	1.8977	–
–	StE 550.7 TM/L 555 MB	–	–	–	L 555 MB	L 555 MB	–	–	–	–	1.8978	–
–	St 60-2	4360-55 E	SM 58	–	E 335	A 60-2	Fe 60-2	1650	–	–	1.0060	–
–	St 70-2	E 360	–	–	E 360	A 70-2	Fe 70-2	1655	–	–	1.0070	–
–	C4D	–	–	–	C 4 D	FM 5	C 4 D	–	–	–	1.0300	–
–	C 22 8	–	–	–	P 250 GH	–	–	–	–	–	1.0460	–
–	H 260/ZSt E 260	H 240 LA	–	–	H 240 LA	E 240 C	–	–	–	–	1.0480	–
–	C32D	–	SWRH 32	K02701	C 32 D	FM 32	C 32 D	–	–	–	1.0530	–
–	ZStE 380/H 380	H 360 L A	–	–	H 360 LA	E 355 C	–	–	–	–	1.0550	–
–	C60D	–	–	–	C 60 D	FM 60	C 60 D	–	–	–	1.0610	–
–	38 SMn 28	38 SMn 28	–	–	38 SMn 28	38 SMn 28	–	–	–	–	1.0760	–
–	QSt E 260 TM/5260 MC	–	–	–	S 260 MC	41 S 7	Fe E 275 TM	–	–	–	1.0970	–
–	C3D2	–	–	–	C 3 D 2	FM 5	C 3 D 2	–	–	–	1.1110	–
–	C38D2	–	–	–	C 38 D 2	FM 38	C 38 D 2	–	–	–	1.1150	–
–	C 42 E Al/Ck 42 Al	–	–	–	S 355 G15	–	–	–	–	–	1.1190	–
–	C56D2/D 55-2	–	–	–	C 56 D 2	FM 56	C 56 D 2	–	–	–	1.1220	–
–	C 70 W1	–	–	–	CT 70	C 70 E 2 U	C 70 K U	–	–	–	1.1520	–
–	C 45 W	–	–	–	C 45 U	Y3 42	–	–	–	–	1.1730	–
–	C 60 W	–	SK 7	–	–	Y3 55	–	–	–	–	1.1740	–
–	100 CrMn 6	–	–	K19195	100 CrMn 6	100 CM 6	–	–	–	–	1.3520	–
–	28 B 2	–	SWRCHB 26	–	C 30 B	20 B 3	–	–	–	–	1.5510	–
–	St E 380	–	SM 50 B	–	S 380 N	–	Fe E 390 KG	–	–	–	1.8900	–
–	TStE 380/S380NL	–	–	–	S 380 NL	–	Fe E 390 KT	2117	–	–	1.8910	–
–	S 890 Q	–	–	–	S 890 Q	S 890 Q	S 890 Q	–	–	–	1.8940	–
–	46 Si 7	–	–	–	45 Si	46 S 7	–	–	–	–	1.5024	–
–	55 Si 7	250 A 53	–	G92550	56 Si 7	55 S 7	55 Si 8	2085	–	–	1.5026	–
–	37 MnSi 5	–	–	–	–	38 MS 5	–	F.130.A	–	–	1.5122	–
–	15 MnMoV 4 5	–	–	–	15 MnMoV 4-5	15 MDV 4.05	–	–	–	–	1.5402	–
–	11 MnMo 4 5	–	–	K11123	11 MnMo 45 KE	–	–	–	–	–	1.5425	–
–	13 MnMo 6 5	–	–	K11424	11 MnMo 65 KE	–	–	–	–	–	1.5426	–
–	35 B 2	–	SWRCHB 237	–	C 35 B	35 B 3	–	–	–	–	1.5511	–
–	24 Ni 8	–	SCPL 21	J22501	G 9 Ni 10	22 N 8	G9Ni10	–	–	–	1.5633	–
–	10 NiCr 5 4	10NiCr5-4	–	–	10 NiCr 5-4	10 NiCr 5-4	–	–	–	–	1.5805	–
–	18 MnMoNi 5 5	–	–	–	18 MnMoNi 5-5	–	–	–	–	–	1.6308	–
–	20 MnMoNi 4 5	–	SQV 2 B	K12539	20 MnMoNi 4-5	–	–	–	–	–	1.6311	–
–	15 MnCrMoNiV 5 3	–	–	–	15 MnCrMoNiV 5-3	–	–	–	–	–	1.6920	–
–	17 CrS 3	17 CrS3	–	–	17 CrS 3	17 CrS 3	–	–	–	–	1.7014	–
–	28 CrS 4	–	–	–	28CrS4	28CrS4	–	–	–	–	1.7036	–
–	34 CrS 4	34 CrS 4	–	–	34 CrS 4	34 CrS 4	34 CrS 4	–	–	–	1.7037	–
–	41 CrS 4	41 CrS 4	–	–	41 CrS 4	41 CrS 4	41 CrS 4	2245	–	–	1.7039	–
–	38 Cr 4	–	–	–	38 Cr 4	–	38 Cr 4	–	–	–	1.7043	–
–	16 CrMo 4	18 CrMo4	SCM 418 H	–	18 CrMo 4	15 CD 3.5	18 CrMo 4	–	–	–	1.7242	–
–	12 CrMo 11 10	–	–	–	–	–	–	–	–	–	1.7305	–
–	22 CrMoS 3 5	–	–	–	22 CrMoS 3-5	22 CrMoS 3-5	–	–	–	–	1.7333	–
–	12 CrMo 19 5	3606-625	SCMV 6	K41545	X 12 CrMo 5	Z 10 CD 5.05	16 CrMo 20 5	–	–	–	1.7362	–
–	X 7 CrMo 6 1	B 5	–	S50281	CM 5-IG	–	–	–	–	–	1.7373	–
–	51 CrMoV 4	–	–	–	51 CrMoV 4	51 CDV 4	51 CrMoV 4	–	–	–	1.7701	–
–	21 CrMoV 5 7	–	–	K14073	21 CrmoV 5-7	20 CDV 5.07	–	–	–	–	1.7709	–
–	20 CrMoVTiB 4 10	–	–	–	20 CrMoVTiB 4-10	20 CrMoVTiB 4-10	–	–	–	–	1.7729	–
–	PS 275 TMK	S 275 ML	–	–	S 275 ML	S 275 ML	S 275 ML	–	–	–	1.8819	–
–	S 500 M	–	–	–	S 500 m	–	–	–	–	–	1.8829	–
–	BTStE 460 TM	S 460 ML	–	–	S 460 ML	E 460	S 460 ML	–	–	–	1.8838	–
–	S 500 ML	–	–	–	S 500 ML	–	–	–	–	–	1.8839	–
–	S 275 MH	–	–	–	S 275 MH	–	S 275 MH	–	–	–	1.8843	–
–	S 275 MLH	–	–	–	S 275 MLH	–	S 275 MLH	–	–	–	1.8844	–
–	S 355 MH	–	–	–	S 355 MH	–	S 355 MH	–	–	–	1.8845	–
–	S 355 MLH	–	–	–	S 355 MLH	–	S 355 MLH	–	–	–	1.8846	–
–	S 420 MH	–	–	–	S 420 MH	–	S 420 MH	–	–	–	1.8847	–
–	S 420 MLH	–	–	–	S 420 MLH	–	S 420 MLH	–	–	–	1.8848	–
–	S 460 MH	–	–	–	S 460 MH	–	S 460 MH	–	–	–	1.8849	–
–	StE 460	S 460 N	–	–	S 460 N	E 460	S 460N	–	–	–	1.8901	–
–	TStE 460	S 460 L	–	–	S 460 NL	E460	S 460 NL	–	–	–	1.8903	–
–	S 550 Q	–	–	–	S 550 Q	E 550	S 550 Q	–	–	–	1.8904	–
–	S 460 Q	55 F	–	–	S 460 Q	E 460	S 460 Q	–	–	–	1.8908	–
–	S 420 NL/TStE 420	S 420 NL	STK 540	K02002	S 420 NL	E 420 T-I	Fe E 420 KT	–	–	–	1.8912	–
–	S 620 Q	–	–	–	S 620 Q	E 620	S 620 Q	–	–	–	1.8914	–
–	T St E 460/P460NL1	P 460 NL 1	–	K02900	P 460 NL1	E 460 T-I	Fe E 460 KT	–	–	–	1.8915	–
–	S 460 QL1	55 F	–	–	S 460 QL 1	–	–	–	–	–	1.8916	–
–	T St E 500	–	–	K02001	–	E 500 T-I	–	–	–	–	1.8917	–
–	EStE 460/P460NI2	P 460 NL 2	–	–	P 460 NL 2	P 460 NL 2	P 460 NL 2	–	–	–	1.8918	–
–	EStE 500/S500NL1	–	–	–	S 500 NL 1	–	–	–	–	–	1.8919	–
–	TStE 690 VA/S690G1QL	–	–	–	S 690 G 1 QL	–	–	–	–	–	1.8920	–
–	TStE 690 VB/S690G2QL	–	–	K11646	S 690 G 2 QL	–	–	–	–	–	1.8921	–
–	S 690 G 4 QL/TStE 690 VC	–	–	–	S 690 G 4 QL	–	–	–	–	–	1.8922	–
–	S 590 QL/TStE 590 V	–	–	–	S 590 QL	–	–	–	–	–	1.8923	–
–	S 500 Q (StE 500 V)	–	–	–	S 500 Q	E 500	S 500 Q	2614	–	–	1.8924	–
–	S 890 QL 1 (EStE 90 V)	–	–	–	S 890 QL 1	–	–	–	–	–	1.8925	–
–	S 690 QL (TStE 690 V)	–	SHY 685 NS	–	S 690 QL	–	–	–	–	–	1.8928	–
–	S 690 Q/StE 690 V	–	SHY 685 N	–	S 690 Q	E 690	S 690 Q	–	–	–	1.8931	–

NOTE: For legend, see page Y217.

(continued)

P3 Workpiece Materials Listing • Steel • P3 *(continued)*

P3 Alloy Steels and Tool Steels *Content: C >.25%* *Tensile Strength RM (MPa)*: 600–850* *Hardness (HB): <330 (HRC): <35*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	WSt E 420/P420NH	S 420 NL	STK 540	K02002	S 420 NL	S 420 NL	Fe E 420 KW	–	–	–	1.8932	–
–	S 960 QL/TStE 960 V	–	–	–	S 960 QL	–	–	–	–	–	1.8933	–
–	WSt E 460/P460NH	P 460 NH	–	K02900	P 460 NH	P 460 NH	Fe E 460 KW	–	–	–	1.8935	–
–	S 960 Q	–	–	–	S 960 Q	E 960 T-II	S 960 Q	–	–	–	1.8941	–
–	S 355 J 0 WP	WR 50 A	–	–	S 355 J0 WP	E 36 W-A3	S 355 J0 WP	–	–	–	1.8945	–
–	S 355 J 2 WP	S 355 J 2 WP	–	–	S 355 J2 WP	E36W-A4	S 355 J2 WP	–	–	–	1.8946	–
–	L 415 QB	–	–	–	L 415 QB	L 415 QB	–	–	–	–	1.8947	–
–	L 360 QB	–	–	–	L 360 QB	L 360 QB	–	–	–	–	1.8948	–
–	L 450 QB	–	–	–	L 450 QB	L 450 QB	–	–	–	–	1.8952	–
–	S 460 NH (FGS 47)	–	–	–	S 460 NH	–	S 460 NH	–	–	–	1.8953	–
–	L 485 QB	–	–	–	L 485 QB	L 485 QB	–	–	–	–	1.8955	–
–	S 460 NLH/FG S 47	–	–	–	S 460 NLH	–	S460NLH	–	–	–	1.8956	–
–	L 555 QB	–	–	–	L 555 QB	L 555 QB	–	–	–	–	1.8957	–
–	9 CrNiCuP 3 2 4	WR 50 A	SPA-H	K11430	–	–	–	–	–	–	1.8962	–
–	WTSt 52-3	WR 50 C	SMA 58 W	K11430	S 355 J 2 G 1 W	E 36 W-A2	–	–	–	–	1.8963	–
–	S 355 J 2 G 2 W	S 355 J 2 G 2 W	–	–	S 355 J 2 G 2 W	S 355 J 2 G 2 W	S 355 J 2 G 2 W	–	–	–	1.8965	–
–	S 355 K 2 G 1 W	S 355 K 2 G 1 W	SMA 490 CW	–	S 355 K2 G1 W	S 355 K2 G1 W	S 355 K 2 G 1 W	–	–	–	1.8966	–
–	S 355 K 2 G 2 W	S 355 K 2 G 2 W	–	–	S 355 K2G2W	S 355 K 2 G 2 W	S 355 K 2 G 2 W	–	–	–	1.8967	–
–	QStE 600 TM/S 600 MC	–	–	–	S 600 MC	E 620 D	S 600 MC	–	–	–	1.8969	–
–	StE 415..7/L 415 NB	–	–	–	L 415 NB	L 415 NB	–	–	–	–	1.8972	–
–	StE 415.7 TM/L 415 MB	–	–	–	L 415 MB	L 415 MB	–	–	–	–	1.8973	–
–	S 700 MC (QStE 690 TM)	–	–	–	S 700 MC	E 690 D	S 700 MC	–	–	–	1.8974	–
–	L 450 MB/StE 445.7 TM	–	–	–	L 450 MB	L 450 MB	–	–	–	–	1.8975	–
–	S 650 MC (QStE 650 TM)	–	–	–	S 650 MC	E 620 D	S 650 MC	–	–	–	1.8976	–
–	L 485 MB/StE 480.7 TM	–	–	–	L 485 MB	L 485 MB	–	–	–	–	1.8977	–
–	StE 550.7 TM/L 555 MB	–	–	–	L 555 MB	L 555 MB	–	–	–	–	1.8978	–
–	St 60-2	4360-55 E	SM 58	–	E 335	A 60-2	Fe 60-2	1650	–	–	1.0060	–
–	St 70-2	E 360	–	–	E 360	A 70-2	Fe 70-2	1655	–	–	1.0070	–
–	C4D	–	–	–	C 4 D	FM 5	C 4 D	–	–	–	1.0300	–
–	C 22 8	–	–	–	P 250 GH	–	–	–	–	–	1.0460	–
–	H 260/ZSt E 260	H 240 LA	–	–	H 240 LA	E 240 C	–	–	–	–	1.0480	–
–	C32D	–	SWRH 32	K02701	C 32 D	FM 32	C 32 D	–	–	–	1.0530	–
–	ZStE 380/H 380	H 360 L A	–	–	H 360 LA	E 355 C	–	–	–	–	1.0550	–
–	C60D	–	–	–	C 60 D	FM 60	C 60 D	–	–	–	1.0610	–
–	38 SMn 28	38 SMn 28	–	–	38 SMn 28	38 SMn 28	–	–	–	–	1.0760	–
–	QSt E 260 TM/5260 MC	–	–	–	S 260 MC	41 S 7	Fe E 275 TM	–	–	–	1.0970	–
–	C3D2	–	–	–	C 3 D 2	FM 5	C 3 D 2	–	–	–	1.1110	–
–	C38D2	–	–	–	C 38 D 2	FM 38	C 38 D 2	–	–	–	1.1150	–
–	C 42 E Al/Ck 42 Al	–	–	–	S 355 G15	–	–	–	–	–	1.1190	–
–	C56D2/D 55-2	–	–	–	C 56 D 2	FM 56	C 56 D 2	–	–	–	1.1220	–
–	C 70 W1	–	–	–	CT 70	C 70 E 2 U	C 70 K U	–	–	–	1.1520	–
–	C 45 W	–	–	–	C 45 U	Y3 42	–	–	–	–	1.1730	–
–	C 60 W	–	SK 7	–	–	Y3 55	–	–	–	–	1.1740	–
–	100 CrMn 6	–	–	K19195	100 CrMn 6	100 CM 6	–	–	–	–	1.3520	–
–	28 B 2	–	SWRCHB 26	–	C 30 B	20 B 3	–	–	–	–	1.5510	–
–	St E 380	–	SM 50 B	–	S 380 N	–	Fe E 390 KG	–	–	–	1.8900	–
–	TStE 380/S380NL	–	–	–	S 380 NL	–	Fe E 390 KT	2117	–	–	1.8910	–
–	S 890 Q	–	–	–	S 890 Q	S 890 Q	S 890 Q	–	–	–	1.8940	–

P4 Workpiece Materials Listing • Steel • P4

P4 Alloy Steels and Tool Steels *Content: C>.25%* *Tensile Strength RM (MPa)*: 850–1400* *Hardness (HB): 350–450 (HRC): 35–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
A 570 Gr. 40	St 44-2	4360-43 B	SM 41 B	K 02502	S 275 JR	E 28-2	Fe 430 BFN	1412	–	–	1.0044	–
–	S 235 J0/Fe 360 C	En 40C	–	–	S 235 J0	E24-3	Fe 360 CFN	–	–	–	1.0114	–
A 570 Gr. 36	St 37-3	4360-40 C	–	K01501	S 235 J2 G3	Fe 360 D1(2); E 24-3	Fe 360 D1(2)	1312	–	–	1.0116	–
–	QSt 37-3	–	SWRCH 12R	–	–	–	–	–	–	–	1.0123	–
–	S 275 J0	En43C; S275J0	–	–	S 275 J0/Fe 430 C	S 275 J0; E 28-3	S275J0; Fe430CFN	–	–	–	1.0143	–
A 573 Gr. 70	St 44-3	4360-43 C	SM 41 B	–	Fe 430 D1(2); S 275 J2 G3 (4)	Fe 430 D1(2); E 28-4	Fe 430 D FF	1414	–	–	1.0144	–
–	S 275 J2 G4/Fe 430 D 2	S 275 J2 G4	–	–	S 275 J2 G4	E28-4; S 275 J2 G4	S 275 J2 G4	1414	–	–	1.0145	–
–	Ro St 44-2	43C	–	–	S 275 J0 H	–	S 275 J0 H	–	–	–	1.0149	–
–	St 37.0	–	STPG 38	–	P 235 T1	–	–	–	–	–	1.0254	–
–	C9D	–	SWRM 8	–	C 9 D	FM 9	C 9 D	–	–	–	1.0304	–
–	C7D	C 7 D	SWRM 8	G10060	C 7 D	FM 8	C 7 D	–	–	–	1.0313	–
–	L 210 GA	–	–	–	L 210 GA	TS E 220 class 2	–	–	–	–	1.0319	–
–	USD 7/C 8 G1 W	–	–	–	C 8 G 1 W	–	–	–	–	–	1.0323	–
–	RSD 7/C8G2W	–	–	–	C 8 G 2 W	–	–	–	–	–	1.0324	–
–	RSD 10 Si/C10WSi	–	–	–	C 10 W Si	–	–	–	–	–	1.0339	–
–	P235 GH	P 235 GH	SPV 50	K02503	P 235 GH	A 37 CP	Fe E 235	1330	–	–	1.0345	–
–	RRSD 10/C10 W	–	–	–	C 10 W	–	–	–	–	–	1.0351	–
–	St 45.8	–	STB 410	K02727	–	–	–	–	–	–	1.0405	–
–	C 25 Pb	–	–	–	C 25 GPb	–	–	–	–	–	1.0411	–
–	L 245 MB	430	–	K03006	L 245 MB	L 245 MB	–	–	–	–	1.0418	–
1513	P265	HR 40/30	–	G15130	–	12 M 5	–	–	–	–	1.0424	–
–	P310 NB	224-410	SG 325	K02100	P280GH	BS 2	P 275 N	2103	–	–	1.0426	–
–	L 290 MB	–	–	–	L290MB	L 290 MB	–	–	–	–	1.0429	–
–	H II/P285NH	–	Sm 38	–	P 285 NH	–	–	–	–	–	1.0435	–
–	P310 NB	224-430	SG 325	K02100	P305GH	P 275 N	P 275 N	2103	–	–	1.0436	–
–	A St 41	P 275 N	STK 400	K02100	S 275 N	BS 3	P 275 N	2103	–	–	1.0437	–
–	B 500 A	–	SD 490	–	B 500 A	–	B 500 A	–	–	–	1.0438	–
–	GS-45	–	SC 450	–	–	–	–	–	–	–	1.0443	–
–	H IV/P295NH	–	SG 37	K03102	–	–	Fe 460-2 KW	–	–	–	1.0445	–

(continued)

P4

Workpiece Materials Listing • Steel • P4 *(continued)*

P4 Alloy Steels and Tool Steels *Content: C>.25%* *Tensile Strength RM (MPa)*: 850–1400* *Hardness (HB): 350–450 (HRC): 35–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	StE 240.7	–	–	–	L 245 NB	L 245 NB	–	–	–	–	1.0457	–
–	HIII/L 235 GA	–	–	–	L 235 GA	–	–	–	–	–	1.0458	–
–	L 245 GA/RRStE 240.7	–	–	–	L 245 GA	TS E 250	–	–	–	–	1.0459	–
–	St E255	–	–	K01800	–	–	–	–	–	–	1.0461	–
–	TStE 255	–	–	K11535	–	–	–	–	–	–	1.0463	–
–	15 Mn 3 Al	–	–	–	C 14 GAl	–	–	–	–	–	1.0468	–
–	21 Mn 4	–	–	–	–	–	20 Mn 4	–	–	–	1.0469	–
–	19 Mn 6/P 355 GH	P 355 GH	SGV 46	K03300	P355GH	A 52 CP	Fe E355-2	2101	–	–	1.0473	–
–	17 Mn 4/P 295 GH	224-460B	SG 37	K03501	P 295 GH	A 48 CP	Fe E 295	2102	–	–	1.0481	–
–	19 Mn 5	224-460	SG 37	K 03102	–	A 52 CP; AP; FP	Fe 460- 2 KW	–	–	–	1.0482	–
–	L 290 AG	–	–	–	L290GA	TS E 290	–	–	–	–	1.0483	–
–	L 290 NB	–	–	–	L290NB	L 290 NB	–	–	–	–	1.0484	–
–	21 Mn 6	–	–	K12320	–	–	–	–	–	–	1.0485	–
–	St E 285	P 275 N	SM 41 A	K 01802	P 275 N	P 275 N	Fe E 285 KG	–	–	–	1.0486	–
–	W St E 285	P 275 N	–	K 01802	P 275 NH	P 275 N	Fe E 285 KW	–	–	–	1.0487	–
–	T St E 285	P 275 NL 1	SLA 235 A	K 01803	P 275 NL 1	P 275 NL 1	Fe E 285 KT	–	–	–	1.0488	–
–	H 300/ZSt E 300	H280LA	–	–	H 280 LA	E 280 C	–	–	–	–	1.0489	–
–	S 275 NH	S 275 NH	–	–	S 275 NH	–	S 275 NH	–	–	–	1.0493	–
–	S 275 NLH	S275NLH	–	–	S 275 NLH	–	S275NLH	–	–	–	1.0497	–
–	L 360 GA	–	–	–	L 360 GA	–	–	–	–	–	1.0499	–
–	C 35 Pb/C 35 GPb	–	–	–	C 35 Pb	–	–	–	–	–	1.0502	–
–	St E 315/P 315N	–	SM 50 A	K11506	P 315 N	–	Fe E 315 KG	–	–	–	1.0505	–
–	W St E 315	–	SNC 1	K02404	P 315 NH	–	Fe E 315 KW	2107	–	–	1.0506	–
–	St 55	–	STKM 16A	–	–	–	Fe 540	–	–	–	1.0507	–
–	T St E315	–	SLA 325 A	K02404	P 315 NL	–	–	2106	–	–	1.0508	–
–	C 40 Pb	–	–	–	C 40 G Pb	–	–	–	–	–	1.0512	–
–	C38D	–	SWRH 37	–	C 38 D	FM 38	C 38 D	–	–	–	1.0516	–
–	C48D	–	SWRH 48	–	C 48 D	FM 48	C 48 D	–	–	–	1.0517	–
–	C56D	–	–	–	C 56 D	FM 56	C 56 D	–	–	–	1.0518	–
–	StSch 700 (R 0 700)	–	–	–	R 0700	–	–	–	–	–	1.0521	–
–	StSch800 (R 0 800)	–	–	–	R 0800	–	–	–	–	–	1.0524	–
–	Cf 45 Pb	–	–	–	–	–	C 46	–	–	–	1.0526	–
–	C32D	–	SWRH 32	K02701	C 32 D	FM 32	C 32 D	–	–	–	1.0530	–
–	GL-A 40 (S 390 G 1 S)	–	–	–	S 390 G 1 S	–	–	–	–	–	1.0532	–
–	S 355 NH	S 355 NH	–	–	S 355 NH	–	S 355 NH	–	–	–	1.0539	–
–	C42D	–	SWRH 42 B	–	C 42 D	FM 42	C 42 D	–	–	–	1.0541	–
–	Schienen 60 F(R 0600/ St Sch 60)	–	–	–	R 0600	–	–	–	–	–	1.0544	–
–	S 355 J0 H	50 C	–	–	S 355 J0 H	–	S 355 J0 H	–	–	–	1.0547	–
–	ZStE 340/H 340	H 320 L A	–	–	H 320 LA	E 315 C	–	–	–	–	1.0548	–
–	S 335 NLH	50 EE	–	–	S 355 N LH	–	S 355 N L H	–	–	–	1.0549	–
–	GS-52	A2	–	–	GE 260	–	–	–	–	–	1.0552	–
–	S 355 J0	En 50 C;S 355 J0	SM 520 M	–	S 355 J0	S 355 J0; E 36-3	S 355 J0; Fe 510 C FN	–	–	–	1.0553	–
–	GS-70	50 C	–	–	S 355 J0 C	E 36-3	Fe 510 C	–	–	–	1.0554	–
–	GS-62	–	–	–	S 355 GO 1	–	–	–	–	–	1.0555	–
–	ZStE 420/H 420	46/40HR,HS,CS	–	–	H 400 LA	H 400 LA	–	–	–	–	1.0556	–
–	P355 NB	–	SG 365	–	P 355 NB	BS 4	–	–	–	–	1.0557	–
–	GS-62.3	–	–	–	S 355 GO 2	–	–	–	–	–	1.0559	–
A 633 Gr. C	St E 355	P 355 N	SM 50 YB	K12000	P 355 N	E 355 R/FP	Fe E 355 KG	2132	–	–	1.0562	–
–	N 80	–	–	–	–	–	–	–	–	–	1.0564	–
–	W St E 355	P 355 NH	–	K01600	P 355 NH	P 355 NH	Fe E 355 KW	–	–	–	1.0565	–
–	T St E355	P 355 NL1	SLA 37	–	P 355 NL1	P 355 NL1	Fe E 355 KT	–	–	–	1.0566	–
–	32 Mn 3	–	–	–	–	–	–	–	–	–	1.0567	–
–	P355 QH1	P 355 QH	–	–	P 355 QH	P 355 QH	–	–	–	–	1.0571	–
–	ZStE 460/H 460	–	–	–	–	–	–	–	–	–	1.0574	–
–	S 355 J 2 G 4	S 355 J 2 G 4	–	–	S 355 J 2 G 4	S 355 J 2 G 4	S 355 J 2 G 4	–	–	–	1.0577	–
–	L 360 MB	–	–	–	L 360 MB	L 360 MB	–	–	–	–	1.0578	–
–	St 52.4	–	STS 49	–	–	–	–	–	–	–	1.0581	–
–	L 360 NB/StE 360.7	–	–	–	L360NB	L 360 NB	–	–	–	–	1.0582	–
–	S 355 J 2 G 3 Cu/St 52-3 Cu3	–	–	–	S 355 J2 G3 Cu + CR	–	–	–	–	–	1.0585	–
–	C50D	–	–	–	C 50 D	FM 50	C 50 D	–	–	–	1.0586	–
–	QSt 52-3 Cu 3	–	–	–	S 355 J2 G3 Cu C	–	–	–	–	–	1.0587	–
–	D 53-2	–	SWRH 52 B	–	C 52 D	FM 52	C 52 D	–	–	–	1.0588	–
–	FStE 355 OS 3/S355G03	–	–	K12000	S 355 G03	–	–	–	–	–	1.0591	–
–	S 355 J 2 G 4 Cu	–	–	–	S 355 J2 G4 Cu	–	–	–	–	–	1.0592	–
–	S355k2G3/Fe 510 DD1 (MULTIST)	S 355 K 2 G 3	SM 520 C	K02505	S 355 K 2 G 3	E36-4	S 355 K 2 G 3	–	–	–	1.0595	–
–	S355K2G4/Fe 510 DD 2 (MULTIST)	S 355 K 2 G 4	–	–	S 355 K 2 G 4	S 355 K 2 G 4	S 355 K 2 G 4	–	–	–	1.0596	–
–	C 30 Pb	–	–	–	C 3 0 GPb	–	–	–	–	–	1.0598	–
–	C 60 Pb	–	–	–	C 60 GPb	–	–	–	–	–	1.0602	–
–	C 67 GPb/C 67 Pb	–	–	–	C 67 GPb	–	–	–	–	–	1.0606	–
–	C 75 GPb/C 75 Pb	–	–	–	C 75 GPb	–	–	–	–	–	1.0607	–

NOTE: For legend, see page Y217.

(continued)

P4 Workpiece Materials Listing • Steel • P4 *(continued)*

P4 Alloy Steels and Tool Steels *Content: C>.25%* *Tensile Strength RM (MPa)*: 850–1400* *Hardness (HB): 350–450 (HRC): 35–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	C62D	–	SWRH 62 B	–	C 62 D	FM 62	C 62 D	–	–	–	1.0611	–
–	C66D	–	–	–	C 66 D	FM 66	C 66 D	–	–	–	1.0612	–
–	C68D	–	SWRH 67 B	–	C 68 D	FM 68	C 68 D	–	–	–	1.0613	–
–	C70D	–	–	–	C 70 D	FM 70	C 70 D	–	–	–	1.0615	–
–	C72D	–	SWRH 72 B	–	C 72 D	FM 72	C 72 D	–	–	–	1.0617	–
–	GS-C 25	–	SCPH 1	–	GP 240 GH	GP 240 GH	GP 240 Gh	–	–	–	1.0619	–
–	GP 240 GR	–	–	–	GP 240 GR	GP 240 GR	GP 240 GR	–	–	–	1.0621	–
–	C80D	–	–	–	C 80 D	FM 80	C 80 D	–	–	–	1.0622	–
–	StSch 900 A (R 0900)	–	–	–	R 0900	–	–	–	–	–	1.0623	–
–	StSch 900 B (R 0900 Mn)	–	–	–	R 0900 Mn	–	–	–	–	–	1.0624	–
1345	StSch 90 C/GP 280 GH	–	–	G13450	GP 280 GH	GP 280 GH	GP 280 GH	–	–	–	1.0625	–
–	C82D	–	SWRH 82 B	–	C 82 D	FM 82	C 82 D	–	–	–	1.0626	–
–	C88D	–	–	–	C 88 D	–	C 88 D	–	–	–	1.0628	–
–	StSch 1200 (R 1200)	–	–	–	R 1200	–	–	–	–	–	1.0631	–
–	C 61/60 Mn 3	–	–	–	C 61	–	C 61	–	–	–	1.0642	–
–	C 85/85 Mn 3	–	–	–	C 85	–	C 85	–	–	–	1.0647	–
–	35 SPb 20	35 SPb 20	–	–	35 SPb 20	35 SPb 20	–	–	–	–	1.0756	–
–	45 SPb 20	–	–	–	46 SPb 20	–	–	–	–	–	1.0757	–
–	38 SMnPb 28	38 SMnPb 28	–	–	38 SMnPb 28	38 SMnPb 28	–	–	–	–	1.0761	–
–	44 SMn 28	44 SMn 28	–	–	44 SMn 28	44 SMn 28	–	–	–	–	1.0762	–
–	44 SMnPb 28	44 SMnPb 28	–	–	44 SMnPb 28	44 SMnPb 28	–	–	–	–	1.0763	–
–	36 SMnPb 14	36 SMnPb 14	–	–	36 SMnPb 14	36 SMnPb 14	–	–	–	–	1.0765	–
9255	51 Si 7	250 A 53	–	G92550	–	51 S 7	48 Si 7	2090	–	–	1.0903	–
9255	55 Si 7	250 A 53	SKH 1; SKT 4	G92550	55 NiCrMoV 7	55 S 7	55 Si 8	2085	–	–	1.0904	–
–	StSch 1100 (R 1100 Cr)	–	–	–	R 1100 Cr	–	–	–	–	–	1.0915	–
9262	60 SiCr 7	250 A 61	SUP 7	G92620	60 SiCr 8	60 SC 7	60 SiCr 8	–	–	–	1.0961	–
–	QSt E 690 TM (S 700 MC)	–	–	–	S 700 MC	S 690 MC	S 700 MC	–	–	–	1.0966	–
–	QSt E 260 N 7 S 260 NC	–	AE 275 NC	–	S 260 NC	–	S 260 NCX	–	–	–	1.0971	–
–	QSt E 300 TM/S 315 MC	43 F35 HR,HS,CS	–	–	S 315 MC	E 315 D	S 315 MC	–	–	–	1.0972	–
–	QSt E 300 N 7/S 315 NC	–	AE 340 NC	–	S 315 NC	–	S 315 NC	–	–	–	1.0973	–
–	QSt E340 TM	HR 40/30	–	–	S 340 MC	E 335 D	–	–	–	–	1.0974	–
–	QSt E340 N	–	–	–	S 340 NC	–	Fe E 355 TD	–	–	–	1.0975	–
–	QSt E 360TM	–	–	–	S 355 MC	E 355 D	Fe E 355 TM	–	–	–	1.0976	–
–	QSt E360 N	–	–	–	S 355 NC	–	Fe E 355 TD	–	–	–	1.0977	–
–	QSt E380 TM	–	–	–	S 380 MC	E 390 D	–	–	–	–	1.0978	–
–	QSt E380 N	–	–	–	S 380 NC	–	Fe E 380 TD	–	–	–	1.0979	–
–	QSt E420 TM	HR 50 F 45	–	–	S 420 MC	E 430 D	Fe E 420 TM	–	–	–	1.0980	–
–	QSt E 420 N	–	–	–	S 420 NC	–	Fe E 420 TD	–	–	–	1.0981	–
–	QSt E 460 TM	50/45 HR	–	–	S 460 MC	E 445 D	–	–	–	–	1.0982	–
–	QSt E 460 N	–	–	–	S 460 NC	–	Fe E 460 TD	–	–	–	1.0983	–
–	QSt E500 TM	–	–	–	S 500 MC	E 490 D	Fe E 490 TM	2662	–	–	1.0984	–
–	QSt E500 N	–	–	–	S 500 NC	–	–	–	–	–	1.0985	–
–	QSt E550 TM	60/55 HS	–	–	S 550 MC	E 560 D	Fe E 560 TM	–	–	–	1.0986	–
–	QSt E550 N	–	–	–	S 550 NC	–	–	–	–	–	1.0987	–
–	FStE 355 OS 3/S355G04	–	–	–	S 355 G04	–	–	–	–	–	1.1102	–
–	EStE 285	P 275 NL 2	STK 400	–	P 275 NL 2	P 275 NL 2	P 275 NL 2	–	–	–	1.1104	–
–	EStE 315	–	–	–	S 315 NL 1	–	–	–	–	–	1.1105	–
–	EStE 355	P 355 NL 2	STK 500	–	P 355 NL 2	P 355 NL 2	P 355 NL 2	–	–	–	1.1106	–
–	C5D2	–	–	–	C 5 D 2	FM 6	C 5 D 2	–	–	–	1.1111	–
–	USD 5/C 8 E1 W	–	–	–	C 8 E 1 W	–	–	–	–	–	1.1112	–
–	C8D2	–	–	–	C 8 D 2	FM 8	C 8 D 2	–	–	–	1.1113	–
–	C 10 E W/RSD 11	–	–	–	C 10 EW	–	–	–	–	–	1.1115	–
–	USD 6/C 8 E2 W	–	–	–	C 8 E 2 W	–	–	–	–	–	1.1116	–
–	G 24 Mn 4/GS 24 Mn 4	–	–	–	G 24 Mn 4	–	–	–	–	–	1.1136	–
–	C32D2	–	–	–	C 32 D 2	FM 32	C 32 D 2	–	–	–	1.1143	–
–	C36D2	–	–	–	C 36 D 2	FM 36	C 36 D 2	–	–	–	1.1145	–
–	C38D2	–	–	–	C 38 D 2	FM 38	C 38 D 2	–	–	–	1.1150	–
–	C 25 R	C 25 R	–	–	C 25 R	C 25 R	C 25 R	–	–	–	1.1163	–
–	C48D2	–	–	–	C 48 D 2	FM 48	C48 D 2	–	–	–	1.1164	–
1330	GS-30 Mn 5	120 M 36	SMn 433 H; SCMn 2	K13300	–	35 M 5	–	1330	–	–	1.1165	–
1335	36 Mn 5	150 M 36	SMn 438(H)	G13350	–	40 M 5	–	2120	–	–	1.1167	–
–	G 40 Mn 5/GS 40 Mn 5	–	–	–	G 40 Mn 5	–	–	–	–	–	1.1168	–
–	20 Mn 6	150 M 19	–	–	–	20 M 5	20 Mn 6	–	–	–	1.1169	–
–	C50D2	–	–	–	C 50 D 2	FM 50	C50D 2	–	–	–	1.1171	–
–	Ck 38 Pb	–	–	–	25 Mn 4	–	–	–	–	–	1.1177	–
–	C 30 R	C 30 R	C 30 R (3 C 30)	–	C 30 R	C 30 R	C 30 R	–	–	–	1.1179	–
–	Ck 35 Pb	–	–	–	S 355 G 13	–	–	–	–	–	1.1182	–
–	Ck 36	–	–	–	S 355 G 14	–	–	–	–	–	1.1184	–
–	C3D1	–	–	–	C 3 D 1	–	C 3 D 1	–	–	–	1.1187	–
–	C40R/Cm 40	C 40 R	–	–	C 40 R	C 40 R	C 40	–	–	–	1.1189	–
–	C52D2	–	–	–	C 52 D 2	FM 52	C 52 D 2	–	–	–	1.1202	–
–	C 53 R/Cm 53	–	–	–	C 53 R	–	–	–	–	–	1.1205	–
–	C 10 R	C 10 R	–	–	C 10 R	C 10 R	–	–	–	–	1.1207	–
–	C 16 R	C 16 R	–	–	C 16 R	C 16 R	–	–	–	–	1.1208	–
–	C58D2	–	–	–	C 58 D 2	FM 58	C 58 D 2	–	–	–	1.1212	–
–	Ck 53 Pb	–	–	–	C 90 S	–	–	–	–	–	1.1217	–
–	C62D2	–	–	–	C 62 D 2	FM 62	C 62 D 2	–	–	–	1.1222	–
–	Cm 60	C 60 R	–	–	3 C 60	C 60 R	C 60 R	–	–	–	1.1223	–
–	C60D2	–	–	–	C 60 D 2	FM 60	C 60 D 2	–	–	–	1.1228	–
–	C68D2	–	–	–	C 68 D 2	FM 68	C 68 D 2	–	–	–	1.1232	–
–	C66D2	–	–	–	C 66 D 2	FM 66	C 66 D 2	–	–	–	1.1236	–
–	C50R	C 50 R	–	–	C 50 R	FM 50	C 50 R	–	–	–	1.1241	–
–	C72D2	–	–	–	C 72 D 2	FM 72	C 72 D 2	–	–	–	1.1242	–
–	C70D2	–	–	–	C 70 D 2	FM 70	C 70 D 2	–	–	–	1.1251	–
–	C78D2	–	–	–	C 78 D 2	FM 78	C 78 D 2	–	–	–	1.1252	–
–	C76D2	–	–	–	C 76 D 2	FM 76	C 76 D 2	–	–	–	1.1253	–
–	C80D2	–	–	–	C 80 D 2	FM 80	C 80 D 2	–	–	–	1.1255	–
–	C82D2	–	–	–	C 82 D 2	FM 82	C 82 D 2	–	–	–	1.1262	–
–	C86D2	–	–	–	C 86 D 2	FM 86	C 86 D 2	–	–	–	1.1265	–
–	C88D2	–	–	–	C 88 D 2	–	C 88 D 2	–	–	–	1.1272	–
–	C92D2	–	–	–	C 92 D 2	–	C 92 D 2	–	–	–	1.1282	–
–	C98D2	–	–	–	C 98 D 2	–	C 98 D 2	–	–	–	1.1283	–
–	46 MnVS 6	–	–	–	46 MnVS 6	–	–	–	–	–	1.1304	–
–	C 90 U	–	–	–	C90U	–	–	–	–	–	1.1535	–
–	C 110 W	–	–	–	C 110 U	–	–	–	–	–	1.1554	–
–	C 120 U	–	–	–	C120U	–	–	–	–	–	1.1555	–
T 8	C 80 W2	BW 1B	SKC 3	T12008	–	Y1 80	C 80 KU	–	–	–	1.1625	–
–	C 105 W2	–	SK 3	–	–	–	–	–	–	–	1.1645	–
–	C 135 W	–	SK 1	–	–	Y2 140	C 140 KU	–	–	–	1.1673	–
A-6	C 67 W	–	–	T30106	–	Y1 70	–	–	–	–	1.1744	–

(continued)

P4 Workpiece Materials Listing • Steel • P4 *(continued)*

P4 Alloy Steels and Tool Steels *Content: C>.25%* *Tensile Strength RM (MPa)*: 850–1400* *Hardness (HB): 350–450 (HRC): 35–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	125 Cr 1	–	–	–	125 Cr 2	Y2 120 C	–	–	–	–	1.2002	–
–	85 Cr 1	–	–	–	–	Y1 100 C 2	–	–	–	–	1.2004	–
–	140 Cr 3	–	SKS 8	–	140 Cr 2	Y2 140 C	–	–	–	–	1.2008	–
–	105 Cr 4	–	SKC 11	–	–	–	–	–	–	–	1.2057	–
–	21 MnCr 5	–	SCR 420 H	–	21 MnCr 5	20 NC 5	–	–	–	–	1.2162	–
–	35 CrMo 7	–	–	–	35 CrMo 7	–	–	–	–	–	1.2302	–
–	48 CrMoV 67	–	–	–	–	45 CDV 6	–	–	–	–	1.2323	–
P6	15 NiCr 14	–	SNC 22	T51606	–	10 NC 12	–	–	–	–	1.2735	–
–	40 CrMnNiMo 8 6 4	–	–	–	40 CrMnNiMo 8-6-4	–	–	–	–	–	1.2738	–
–	57 NiCrMoV 7 7	–	–	–	55 NiCrMoV 7	–	–	–	–	–	1.2744	–
–	70 MnMoCr 8	–	–	–	70 MnMoCr 8	–	–	–	–	–	1.2824	–
–	95 MnWCr 5	–	–	–	95 MnWCr 5	–	–	–	–	–	1.2825	–
–	60 MnSi 4	–	–	–	–	60 MSC 4	–	–	–	–	1.2826	–
–	101 Cr 6	–	–	–	–	–	102 Cr 6 KU	–	–	–	1.3514	–
–	16 CrNiMo 6	820A16	–	–	–	16 NCD 6	16NiCrMo6	–	–	–	1.3531	–
–	100 CrMn 7 3	–	–	–	100 CrMnMo 7	100 CD 7	–	–	–	–	1.3536	–
–	100 CrMo 7	–	SUS 4	K19965	100 CrMo 7	100 CD 7	100CrMo7	–	–	–	1.3537	–
–	100 CrMnMo 8	–	–	–	–	100 CrMnMo 8	–	–	–	–	1.3539	–
5046	44 Cr 2	–	–	H50460	46 Cr 1 KD	44 Cr 2	–	–	–	–	1.3561	–
4142	43 CrMo 4	–	–	G41420	–	43 Cr Mo 4	–	–	–	–	1.3563	–
4147	48 CrMo 4	817 M 40	SNC 836	H41470	–	48 CrMo 4	–	–	–	–	1.3565	–
–	46 Si 7	–	–	–	45 Si	46 S 7	–	–	–	–	1.5024	–
9259H	51 Si 7	–	–	–	50 Si 7	–	48 Si 7	2090	–	–	1.5025	–
–	55 Si 7	250 A 53	–	G92550	56 Si 7	55 S 7	55 Si 8	2085	–	–	1.5026	–
9260	60 Si 7	251 A 60	–	G92600	60 Si 7	60 S 7	60 Si 7	–	–	–	1.5027	–
–	65 Si 7	–	SUP 7	–	–	–	–	–	–	–	1.5028	–
–	12 Mn 8	–	–	–	11 Mn 8 KE	–	–	–	–	–	1.5086	–
9262	60 SC 7	–	–	G92620	60 SiCr 8	61 SC 7	60 SiCr 8	–	–	–	1.5092	–
–	37 MnSi 5	–	–	–	–	38 MS 5	–	F.130.A	–	–	1.5122	–
–	50 MnSi 4	–	–	K04800	–	–	–	–	–	–	1.5131	–
–	15 MnMoV 4 5	–	–	–	15 MnMoV 4-5	15 MDV 4.05	–	–	–	–	1.5402	–
A 204 Gr. A	15 Mo 3	1501-240	STFA 12	K11820	16 Mo 3	15 D3	16 Mo 3 KW	2912	–	–	1.5415	–
4419	GS-22 Mo 4	243-430	SCPH 11	G44190	G 20 Mo 5	G20Mo5	G 22 Mo 5	–	–	–	1.5419	–
–	20 MnMo 3 5	–	–	K12121	–	–	–	–	–	–	1.5421	–
–	G 18 Mo 5	–	–	–	G18Mo5	–	G 18 Mo5	–	–	–	1.5422	–
4520	16 Mo 5	1503-245-420	SBC 690	K11522	–	–	16 Mo 5	–	–	–	1.5423	–
–	11 MnMo 4 5	–	–	K11123	11 MnMo 45 KE	–	–	–	–	–	1.5425	–
–	13 MnMo 6 5	–	–	K11424	11 MnMo 65 KE	–	–	–	–	–	1.5426	–
–	13 MnMo 8 5	–	–	K11423	11 MnMo 85 KE	–	–	–	–	–	1.5427	–
–	35 B 2	–	SWRCHB 237	–	C 35 B	35 B 3	–	–	–	–	1.5511	–
15B21 H	19 MnB 4	170 H 20	SWRCHB 420	H15211	19 MnB 4	20 MB 5	–	–	–	–	1.5523	–
15B21 H	20 MnB 5	–	SWRCHB 620	–	20 MnB 5	20 MnB 5	20 MnB 5	–	–	–	1.5530	–
–	24 Ni 8	–	SCPL 21	J22501	G 9 Ni 10	22 N 8	G9Ni10	–	–	–	1.5633	–
A 350-LF 5	10 Ni 14	503	SL 3 N 26	K31718	12 Ni 14	12Ni14	18 Ni 14 KT	–	–	–	1.5637	–
P3	10 NC 6	–	–	T51603	15 NiCr 6	10 NC 6	–	–	–	–	1.5713	–
–	10 NiCr 5 4	10NiCr5-4	–	–	10 NiCr 5-4	10 NiCr 5-4	–	–	–	–	1.5805	–
–	18 MnMoNi 5 5	–	–	–	18 MnMoNi 5-5	–	–	–	–	–	1.6308	–
–	20 MnMoNi 4 5	–	SQV 2 B	K12539	20 MnMoNi 4-5	–	–	–	–	–	1.6311	–
–	10 NiMnMo 6 5	–	–	K11160	–	–	–	–	–	–	1.6312	–
–	16 NiCrMO 12 6	–	–	–	–	16 NCD 13	–	–	–	–	1.6782	–
–	15 MnCrMoNiV 5 3	–	–	–	15 MnCrMoNiV 5-3	–	–	–	–	–	1.6920	–
50B40	37 CrB 1	120 M 36	SMnC 3 H	H50401	38 Cr 2	–	35 CB 1	–	–	–	1.7007	–
–	13 Cr 2	–	–	–	–	–	–	–	–	–	1.7012	–
–	17 CrS 3	17 CrS3	–	–	17 CrS 3	17 CrS 3	–	–	–	–	1.7014	–
5015	15 Cr 3	523 M15	SCr 415 H	G50150	15 Cr 2	12 C 3	–	–	–	–	1.7015	–
5117	17 Cr 3	17 Cr 3	–	G51170	(15 Cr 2 KD)	18 C 3	–	–	–	–	1.7016	–
5130 H	34 Cr 4	530 A 32	SCr 430 H	G51300	34 Cr 4 KD	32 C 4	34 Cr 4 KB	–	–	–	1.7033	–
5132 H	37 Cr 4	530 A 36	SCr 435 H	G51320	37 Cr 4	38 C 4	36 CrMn 4	–	–	–	1.7034	–
5140	41 Cr 4	530 M 40	SCr 440 H	G51400	41 Cr 4	42 C 4	41 Cr 4	–	–	–	1.7035	–
–	28 CrS 4	–	–	–	28CrS4	28CrS4	–	–	–	–	1.7036	–
–	34 CrS 4	34 CrS 4	–	–	34 CrS 4	34 CrS 4	34 CrS 4	–	–	–	1.7037	–
–	41 CrS 4	41 CrS 4	–	–	41 CrS 4	41 CrS 4	41 CrS 4	2245	–	–	1.7039	–
–	38 Cr 4	–	–	–	38 Cr 4	–	38 Cr 4	–	–	–	1.7043	–
5140	42 Cr 4	530 A 40	SCr 440	–	40 NiCrMo 3	42 C 4 TS	40 NiCrMo 3	2245	–	–	1.7045	–
–	54 SiCr 6	–	–	–	–	54 SC 6	–	–	–	–	1.7102	–
–	67 SiCr 5	–	–	–	67 SiCr 5	–	67 SiCr 5	–	–	–	1.7103	–
9262	60 SiCr 7	–	–	–	60 SiCr 8	–	–	–	–	–	1.7108	–
–	52 SiCrNi 5	–	–	–	–	52 SCN 5	–	–	–	–	1.7117	–
5115	16 MnCr 5	527 M 17	SCR 415	G 51150	16 MnCr 5 KD	16 MC 5	16 MnCr 5	2173	–	–	1.7131	–
–	49 CrMo 4	–	SCM 445	–	–	–	–	–	–	–	1.7238	–
–	16 CrMo 4	18 CrMo4	SCM 418 H	–	18 CrMo 4	15 CD 3.5	18 CrMo 4	–	–	–	1.7242	–
–	10 CrMo 11	–	–	–	–	12 CD 10	–	–	–	–	1.7276	–
–	16 CrMo 9 3	–	–	–	–	20 CD 8	–	–	–	–	1.7281	–
–	22 CrMoS 3 5	–	–	–	22 CrMoS 3-5	22 CrMoS 3-5	–	–	–	–	1.7333	–
A 387 Gr. 12 Cl. 2	16 CrMo 4 4	–	–	K11564	–	–	A 18 CrMo 4 5 KW	–	–	–	1.7337	–
–	12 CrMo 8 5	–	–	K21509	–	–	–	–	–	–	1.7358	–
–	12 CrMo 19 5	3606-625	SCMV 6	K41545	X 12 CrMo 5	Z 10 CD 5.05	16 CrMo 20 5	–	–	–	1.7362	–
–	X 7 CrMo 6 1	B 5	–	S50281	CM 5-IG	–	–	–	–	–	1.7373	–
–	12 CrMo 9 10	–	–	–	–	12 CrMo 9-10	–	–	–	–	1.7375	–
–	SG-CrMo 9	–	–	S50480	–	–	–	–	–	–	1.7388	–
–	51 CrMoV 4	–	–	–	51 CrMoV 4	51 CDV 4	51 CrMoV 4	–	–	–	1.7701	–
–	21 CrMoV 5 7	–	–	K14073	21 CrmoV 5-7	20 CDV 5.07	–	–	–	–	1.7709	–
–	20 CrMoVTiB 4 10	–	–	–	20 CrMoVTiB 4-10	20 CrMoVTiB 4-10	–	–	–	–	1.7729	–
6150	50 CrV 4	735 A 50	SUP 10	G61500	51 CrV 4	50 CV 4	50 CrV 4	2230	–	–	1.8159	–
–	PS 275 TMK	S 275 ML	–	–	S 275 ML	S 275 ML	S 275 ML	–	–	–	1.8819	–
–	S 355 G1 M	–	–	–	S 355 G 1 M	–	–	–	–	–	1.8822	–
–	BTStE 460 TM	S 460 ML	–	–	S 460 ML	E 460	S 460 ML	–	–	–	1.8838	–
–	S 500 ML	–	–	–	S 500 ML	–	–	–	–	–	1.8839	–

NOTE: For legend, see page Y217.

(continued)

P4 Workpiece Materials Listing • Steel • P4 *(continued)*

P4 Alloy Steels and Tool Steels *Content: C>.25%* *Tensile Strength RM (MPa)*: 850–1400* *Hardness (HB): 350–450 (HRC): 35–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	S 275 MH	–	–	–	S 275 MH	–	S 275 MH	–	–	–	1.8843	–
–	S 275 MLH	–	–	–	S 275 MLH	–	S 275 MLH	–	–	–	1.8844	–
–	S 355 MH	–	–	–	S 355 MH	–	S 355 MH	–	–	–	1.8845	–
–	S 355 MLH	–	–	–	S 355 MLH	–	S 355 MLH	–	–	–	1.8846	–
–	S 420 MH	–	–	–	S 420 MH	–	S 420 MH	–	–	–	1.8847	–
–	S 420 MLH	–	–	–	S 420 MLH	–	S 420 MLH	–	–	–	1.8848	–
–	S 460 MH	–	–	–	S 460 MH	–	S 460 MH	–	–	–	1.8849	–
–	S 460 MLH	–	–	–	S 460 MLH	–	S 460 MLH	–	–	–	1.8850	–
–	FStE 355 OS 4/ S420G5Q	–	–	–	S 420 G 2	–	–	–	–	–	1.8853	–
–	P 550 QL	–	–	–	P 550 QL	–	–	–	–	–	1.8878	–
–	StE 460	S 460 N	–	–	S 460 N	E 460	S 460N	–	–	–	1.8901	–
A 633 Gr. E	St E 420	S 420 N	SM 50 C	K02002	FeE 420 KGN	E 420-I	Fe E 420 KG	2143	–	–	1.8902	–
–	TStE 460	S 460 L	–	–	S 460 NL	E460	S 460 NL	–	–	–	1.8903	–
–	S 550 Q	–	–	–	S 550 Q	E 550	S 550 Q	–	–	–	1.8904	–
A 633 Gr. E	St E 460	P 460 N	SM 53 B	K02900	P 460 N	E 460-I	Fe E 460 KG	2143	–	–	1.8905	–
–	BGH 8906	55 F	–	–	S 460 QL	S 460 QL	S 460 QL	–	–	–	1.8906	–
–	St E 500	–	SM 58	K02001	–	–	–	–	–	–	1.8907	–
–	S 460 Q	55 F	–	–	S 460 Q	E 460	S 460 Q	–	–	–	1.8908	–
–	S 420 NL/TStE 420	S 420 NL	STK 540	K02002	S 420 NL	E 420 T-I	Fe E 420 KT	–	–	–	1.8912	–
–	EStE 420/ S420NL1	–	STK 540	–	–	–	–	–	–	–	1.8913	–
–	S 620 Q	–	–	–	S 620 Q	E 620	S 620 Q	–	–	–	1.8914	–
–	T St E 460/ P460NL1	P 460 NL 1	–	K02900	P 460 NL1	E 460 T-I	Fe E 460 KT	–	–	–	1.8915	–
–	S 460 QL1	55 F	–	–	S 460 QL 1	–	–	–	–	–	1.8916	–
–	T St E 500	–	–	K02001	–	E 500 T-I	–	–	–	–	1.8917	–
–	EStE 460/ P460Nl2	P 460 NL 2	–	–	P 460 NL 2	P 460 NL 2	P 460 NL 2	–	–	–	1.8918	–
–	EStE 500/ S500NL1	–	–	–	S 500 NL 1	–	–	–	–	–	1.8919	–
–	TStE 690 VB/ S690G2QL	–	–	K11646	S 690 G 2 QL	–	–	–	–	–	1.8921	–
–	S 690 G 4 QL/ TStE 690 VC	–	–	–	S 690 G 4 QL	–	–	–	–	–	1.8922	–
–	S 590 QL/TStE 590 V	–	–	–	S 590 QL	–	–	–	–	–	1.8923	–
–	S 500 Q (StE 500 V)	–	–	–	S 500 Q	E 500	S 500 Q	2614	–	–	1.8924	–
–	S 890 QL 1 (EStE 90 V)	–	–	–	S 890 QL 1	–	–	–	–	–	1.8925	–
–	S 690 QL (TStE 690 V)	–	SHY 685 NS	–	S 690 QL	–	–	–	–	–	1.8928	–
–	TStE 690 VD/ S690G3QL	–	–	–	S 690 G 3 QL	–	–	–	–	–	1.8929	–
–	S 690 Q/StE 690 V	–	SHY 685 N	–	S 690 Q	E 690	S 690 Q	–	–	–	1.8931	–
–	WSt E 420/ P420NH	S 420 NL	STK 540	K02002	S 420 NL	S 420 NL	Fe E 420 KW	–	–	–	1.8932	–
–	S 960 QL/TStE 960 V	–	–	–	S 960 QL	–	–	–	–	–	1.8933	–
–	WSt E 460/ P460NH	P 460 NH	–	K02900	P 460 NH	P 460 NH	Fe E 460 KW	–	–	–	1.8935	–
–	P420 QH	–	–	–	P 420 QH	–	–	–	–	–	1.8936	–
–	TStE 770 V/ S770QL	–	–	–	S 770 QL	–	–	–	–	–	1.8938	–
–	EStE 790 V/ S790QL1	–	–	–	S 790 QL 1	–	–	–	–	–	1.8939	–
–	S 960 Q	–	–	–	S 960 Q	E 960 T-II	S 960 Q	–	–	–	1.8941	–
–	S 550 G 1 QL 1/ EStE 550 VA	–	–	–	S 550 G 1 QL 1	–	–	–	–	–	1.8944	–
–	S 355 J 0 WP	WR 50 A	–	–	S 355 J0 WP	E 36 W-A3	S 355 J0 WP	–	–	–	1.8945	–
–	S 355 J 2 WP	S 355 J 2 WP	–	–	S 355 J2 WP	E36W-A4	S 355 J2 WP	–	–	–	1.8946	–
–	L 415 QB	–	–	–	L 415 QB	L 415 QB	–	–	–	–	1.8947	–
–	L 360 QB	–	–	–	L 360 QB	L 360 QB	–	–	–	–	1.8948	–
–	L 450 QB	–	–	–	L 450 QB	L 450 QB	–	–	–	–	1.8952	–
–	S 460 NH (FGS 47)	–	–	–	S 460 NH	–	S 460 NH	–	–	–	1.8953	–
–	EStE620VA/S 620 G 1 QL 1	–	–	–	S 620 G 1 QL 1	–	–	–	–	–	1.8954	–
–	L 485 QB	–	–	–	L 485 QB	L 485 QB	–	–	–	–	1.8955	–
–	S 460 NLH/FG S 47	–	–	–	S 460 NLH	–	S460NLH	–	–	–	1.8956	–
–	L 555 QB	–	–	–	L 555 QB	L 555 QB	–	–	–	–	1.8957	–
–	9 CrNiCuP 3 2 4	WR 50 A	SPA-H	K11430	–	–	–	–	–	–	1.8962	–
–	WTSt 52-3	WR 50 C	SMA 58 W	K11430	S 355 J 2 G 1 W	E 36 W-A2	–	–	–	–	1.8963	–
–	EStE 690 VA	–	–	–	S 690 G1 QL1	–	–	–	–	–	1.8964	–
–	S 355 J 2 G 2 W	S 355 J 2 G 2 W	–	–	S 355 J 2 G 2 W	S 355 J 2 G 2 W	S 355 J 2 G 2 W	–	–	–	1.8965	–
–	S 355 K 2 G 1 W	S 355 K 2 G 1 W	SMA 490 CW	–	S 355 K2 G1 W	S 355 K2 G1 W	S 355 K 2 G 1 W	–	–	–	1.8966	–
–	S 355 K 2 G 2 W	S 355 K 2 G 2 W	–	–	S 355 K2G2W	S 355 K 2 G 2 W	S 355 K 2 G 2 W	–	–	–	1.8967	–
–	QStE 600 TM/S 600 MC	–	–	–	S 600 MC	E 620 D	S 600 MC	–	–	–	1.8969	–
–	StE 415..7/L 415 NB	–	–	–	L 415 NB	L 415 NB	–	–	–	–	1.8972	–
–	StE 415.7 TM/L 415 MB	–	–	–	L 415 MB	L 415 MB	–	–	–	–	1.8973	–
–	S 700 MC (QStE 690 TM)	–	–	–	S 700 MC	E 690 D	S 700 MC	–	–	–	1.8974	–
–	L 450 MB/StE 445.7 TM	–	–	–	L 450 MB	L 450 MB	–	–	–	–	1.8975	–
–	S 650 MC (QStE 650 TM)	–	–	–	S 650 MC	E 620 D	S 650 MC	–	–	–	1.8976	–
–	L 485 MB/StE 480.7 TM	–	–	–	L 485 MB	L 485 MB	–	–	–	–	1.8977	–
–	StE 550.7 TM/L 555 MB	–	–	–	L 555 MB	L 555 MB	–	–	–	–	1.8978	–

(continued)

P4 Workpiece Materials Listing • Steel • P4 *(continued)*

P4 Alloy Steels and Tool Steels *Content: C>.25%* *Tensile Strength RM (MPa)*: 850–1400* *Hardness (HB): 350–450 (HRC): 35–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
A 570 Gr. 50	St 50-2	4360-50 B	SS 50	–	E 295	A 50-2	Fe 490	2172	–	–	1.0050	–
–	St 60-2	4360-55 E	SM 58	–	E 335	A 60-2	Fe 60-2	1650	–	–	1.0060	–
–	St 70-2	E 360	–	–	E 360	A 70-2	Fe 70-2	1655	–	–	1.0070	–
–	C4D	–	–	–	C 4 D	FM 5	C 4 D	–	–	–	1.0300	–
–	C 22 8	–	–	–	P 250 GH	–	–	–	–	–	1.0460	–
–	H 260/ZSt E 260	H 240 LA	–	–	H 240 LA	E 240 C	–	–	–	–	1.0480	–
–	ZStE 380/H 380	H 360 L A	–	–	H 360 LA	E 355 C	–	–	–	–	1.0550	–
–	GL-E - 40 (S 390 G 3 S)	–	–	–	S 390 G 3 S	–	–	–	–	–	1.0560	–
–	C60D	–	–	–	C 60 D	FM 60	C 60 D	–	–	–	1.0610	–
–	C 64/64 Mn 3	–	–	–	C 64	–	–	–	–	–	1.0640	–
–	38 SMn 28	38 SMn 28	–	–	38 SMn 28	38 SMn 28	–	–	–	–	1.0760	–
–	QSt E 260 TM/5260 MC	–	–	–	S 260 MC	41 S 7	Fe E 275 TM	–	–	–	1.0970	–
–	C3D2	–	–	–	C 3 D 2	FM 5	C 3 D 2	–	–	–	1.1110	–
1330	28 Mn 6	150 M 28	SCMn 1	G 13300	28 Mn 6	35 M 5	C 28 Mn	–	–	–	1.1170	–
–	C 42 E Al/Ck 42 Al	–	–	–	S 355 G15	–	–	–	–	–	1.1190	–
–	C56D2/D 55-2	–	–	–	C 56 D 2	FM 56	C 56 D 2	–	–	–	1.1220	–
–	C 70 W1	–	–	–	CT 70	C 70 E 2 U	C 70 K U	–	–	–	1.1520	–
–	C 70 W2	–	–	–	C 70 U	–	–	–	–	–	1.1620	–
–	C 45 W	–	–	–	C 45 U	Y3 42	–	–	–	–	1.1730	–
–	C 60 W	–	SK 7	–	–	Y3 55	–	–	–	–	1.1740	–
–	100 CrMn 6	–	–	K19195	100 CrMn 6	100 CM 6	–	–	–	–	1.3520	–
–	28 B 2	–	SWRCHB 26	–	C 30 B	20 B 3	–	–	–	–	1.5510	–
5130	28 Cr 4	530 A 30	–	G51300	28 Cr 4	30 CD 4	–	–	–	–	1.7030	–
–	S 420 G1 M	–	–	–	P 550 M	–	–	–	–	–	1.8830	–
–	St E 380	–	SM 50 B	–	S 380 N	–	Fe E 390 KG	–	–	–	1.8900	–
–	TStE 380/ S380NL	–	–	–	S 380 NL	–	Fe E 390 KT	2117	–	–	1.8910	–
–	TStE 690 VA/ S690G1QL	–	–	–	S 690 G 1 QL	–	–	–	–	–	1.8920	–
–	WSt E 380/ P380Nh	–	–	–	P 380 NH	–	Fe E 390 KW	2116	–	–	1.8930	–
–	S 890 Q	–	–	–	S 890 Q	S 890 Q	S 890 Q	–	–	–	1.8940	–

P5 Workpiece Materials Listing • Steel • P5

P5 Ferritic, Martensitic, and PH Stainless Steels *Tensile Strength RM (MPa)*: 600–900* *Hardness (HB): <330 (HRC): <35*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
410 S	X 7 Cr 14	–	–	–	–	–	–	–	–	–	1.4001	–
405	X 6 CrAl 13	405 S 17	SUS 405	S40500	X 6 CrAl 13	Z 6 CA 13	X 6 CrAl 13	2302	–	–	1.4002	–
–	X 2 CrNi 1 2	–	–	–	Hyfab3/12	CLC4003	F12N(Mn<1,50)	–	–	–	1.4003	–
416	X 12CrS 13	416 S 21	SUS416	S41600	X 12 CrS 13	Z 12 CF 13	X12CrS13	2380	–	–	1.4005	ATI 416™
410	X 12Cr 13	410 S 21	SUS410	S 41000	(X 12 Cr 13 KD)	Z 12 C 13	X12Cr13	2302	–	–	1.4006	ATI 410™
414	GX 8 CrNi 1 3	410 C 21	SCS 1	S41400	GX 7 CrNiMo 12-1	Z 12 CN 13 M	GX 12 Cr 13	–	–	–	1.4008	–
–	X 8 Cr 14	–	SUS Y 410	S41080	X 8 Cr 13 KE	–	–	–	–	–	1.4009	B13Fe
–	GX 12 Cr 1 2	–	–	–	GX12Cr12	GX12Cr12	–	–	–	–	1.4011	–
–	N 3 2 0 (LW)	–	–	–	3S62	–	–	–	–	–	1.4014	–
–	X 8 Cr 18	–	SUS Y 430	S43080	–	–	–	–	–	–	1.4015	B17Fe
430	X 8 Cr 17	430 S 15	SUS430	S 43000	X 8 Cr 17	Z8C17	X8Cr17	2320	–	–	1.4016	ATI 430™
–	X 6 CrNi 17 1	–	–	–	X6CrNi17-1	F17N	X6CrNi17-1	–	–	–	1.4017	–
420	X20Cr13	420 S 37	SUS 420J1	S42000	X 20 Cr 13	Z20C13	X20Cr13	2303	–	–	1.4021	ATI 420™
403	X 15 Cr 13	420 S 29	SUS 410 J1	J91201	X 15 Cr 13	Z 12 C 13 M	X 12 Cr 13	2301	–	A403M	1.4024	ATI 403™
–	GX 20 Cr 1 4	420 C 29	SCS 2	–	–	Z 20 C 13 M	–	–	–	A743-4	1.4027	–
420	X 40 Cr 13	–	SUS 420 J2	S42080	X 40 Cr 13	Z 40 C 14	X 40 Cr 14	2304	–	–	1.4031	–
–	GX 120 Cr 29	425 C 11	–	–	–	–	–	–	–	F30C	1.4086	–
430 F	X 12 CrMoS 17	441 S 29	SUS 430 F	S 43020	X 14 CrMoS 17	Z 10 CF 17	X 10 CrS 17	2383	–	–	1.4104	–
430	X 4 CrMoS 18	–	SUS 430F	–	X 6 CrMoS 17	Z 6 CDF 18 - 02	–	–	–	–	1.4105	–
–	X 2 CrMoSiS 18 2 1	–	–	J91151	–	–	–	–	–	CA15	1.4106	–
–	GX 8 CrNi 1 2	–	–	–	GX 8 CrNi 12	GX8CrNi 12	G X 8 CrNi 12	–	–	–	1.4107	–
434	X 6CrMo 17	434 S 17	SUS434	S43400	434S17	Z8CD17-01	X8CrMo17	2325	–	–	1.4113	AL 434
–	X 15 CrMo 13	–	–	–	–	–	–	–	–	–	1.4119	–
–	GX 70 CrMo 29 2	–	–	–	–	Z 60 CD 29.2 M	–	–	–	–	1.4136	–
–	X 2 CrNi 24 12	309 S 93	–	–	X 2 CrNi 24 13 KE	Z 2 CN 24-14	–	–	–	–	1.4332	CN23/12-IG
–	X 5 NiCr 32 21	–	–	S33200	–	–	–	–	–	B536	1.4333	H521
–	GX 5 CrNiMo 16 5	–	–	–	GX 4 CrNiMo 16-5-1	GX4CrNiMo 16-5-1	G X 4 CrNiMo 16-5-1	–	–	–	1.4405	–
–	ERO 4411 A	–	–	–	GX 4 CrNiMo 16-5-2	GX 4 CrNiMo 16-5-2	–	–	–	–	1.4411	–
–	X 38 CrMo 14	–	–	–	–	–	–	–	–	–	1.4419	–
–	X 8 CrTi 18	–	–	–	X 6 Cr 18 KE	–	–	–	–	–	1.4502	–
430 Nb	X 6 CrNb 17	–	SUS 430 LX	–	X 3 CrNb 17	Z 8 CNb 17	X 6 CrNb 17	–	–	–	1.4511	AXC525
409	X 6 CrTi 12	409 S 19	SUH 409	S40900	X 5 CrTi 12	Z 6 CT 12	X 6 CrTi 12	–	–	–	1.4512	–
–	X 6 CrNiTi 12	–	–	–	X 6 CrNiTi 12	X 6 CrNiTi 12	X 6 CrNiTi 12	–	–	–	1.4516	–
–	X 2 CrTi 17	–	SUS 430 LX	–	X 2 CrTi 17	F 20T	X 2 CrTi 17	–	–	–	1.4520	–
–	X 8 CrMoTi 17	–	–	–	X 2 CrMoTiS 18 2	X2CrMoTiS18-2	–	–	–	–	1.4523	1802
–	GX 5 CrNiCu 16 4	–	–	–	GX 5 CrNiCu 16-4	GX 5 CrNiCu 16-4	–	–	–	–	1.4525	–
–	X 6 CrMoNb 17 1	–	–	–	X 6 CrMoNb 17-1	X6CrMoNb 17-1	F 17 MNb	–	–	–	1.4526	–
904 L	X 1 NiCrMoCuN 25 20 5	904 S 13	–	N08904	X 1 NiCrMoCuN 25 20 5	Z 1 NCDU 25 20	–	2562	–	–	1.4539	ATI 904L™
348	X 5 CrNiNb 18 10	S 527	–	J92640	–	–	X 6 CrNiNb 18 11	–	–	–	1.4546	ATI 348™
–	X 5 CrNiNb 19 9	–	SUS Y 347	S34780	X 5 CrNiNb 20 10 KE	Z 6 CNNb 20-10	–	–	–	–	1.4551	–
–	GX 7 NiCrMoCuNb 42 20	–	–	–	GX 7 NiCrMoCuNb 4220	–	–	–	–	–	1.4559	–
–	X 5 CrNiMoNb 19 12	318 S 96	–	S31980	X 5 CrNiMoNb 19 12 03 KE	Z 4 CNDSNb 19-12-03	–	–	–	–	1.4576	–
–	X 2 CrAlTi 18 2	–	–	–	X 2 CrAlTi 18-2	DMV 59	X 2 CrAlTi 18-2	–	–	–	1.4605	–
–	X 10 CrAl 7	–	–	–	X 10 CrAl 7	–	–	–	–	–	1.4713	–

NOTE: For legend, see page Y217.

(continued)

P5 Workpiece Materials Listing • Steel • P5 *(continued)*

P5 Ferritic, Martensitic, and PH Stainless Steels *Tensile Strength RM (MPa)*: 600–900* *Hardness (HB): <330 (HRC): <35*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	X 215 Cr 12	–	–	–	–	–	–	–	–	–	1.4721	–
H-12	X 10 CrAl 13	BH 12	SUS 405	T20812	X 10 CrAl 13	Z 10 C 13	X 10 CrAl 12	–	–	–	1.4724	–
430	X 10 CrAl 18	(430 S 15)	SUH 21	S43000	–	Z 10 CAS 18	(X 8 Cr 17)	–	–	–	1.4742	–
446	X 10 CrAl 25	–	SUH 442	S44600	X 10 CrAl 24	Z 10 CAS 24	X 16 Cr 26	2322	–	–	1.4762	–
–	GX 40 CrNiSi 27 4	–	–	J92605	–	–	–	–	–	–	1.4823	–
–	X 12 CrNi 22 12	311 S 94	SUS Y 309	S30980	X 15 CrNi 23 13	–	X 16 CrNi 23 14	–	–	309	1.4829	–
–	X 9 CrNiSiNCe 21 11 2	–	–	–	X 9 CrNiSiNCe 21-11-2	–	–	–	–	–	1.4835	–
314	X 15 CrNiSi 25 20	314 S 25	SUH 310	S31400	X 15 CrNiSi 25 20	Z 15 CNS 25.20	X 16 CrNiSi 25 20	–	–	–	1.4841	Cronifer® 2520
–	X 12 CrNi 25 20	310 S 94	–	S31080	X 12 CrNi 26 21 KE	Z 12 CN 26-21	–	–	–	–	1.4842	–
–	CrNi 25 20	–	SCS 18	S31400	–	–	–	–	–	–	1.4843	–
310 S	X 12 CrNi 25 21	310 S 24	SUS 310 S	S31008	X 8 CrNi 25 21	Z 12 CN 25.20	X 6 CrNi 25 20	2361	–	–	1.4845	ATI 310S™
HK	X 40 CrNiSi 25 20	310 C 40	SCH 21	J94204	–	–	GX 40 CrNi 26 20	–	–	–	1.4848	–
–	GX 40 NiCrSiNb 38-18	–	–	–	3072.76	–	–	–	–	–	1.4849	–
–	GX 10 NiCrNb 32 20	–	–	J95151	–	–	–	–	–	–	1.4859	–
330	X 12 NiCrSi 35 16	NA 17	SUH 330	N08330	X 12 NiCrSi 35 1 6	Z 12 NCS 37.18	–	–	–	–	1.4864	–
–	X40NiCrSi38-18	330 C 40	SCH15/SCH16	J94605	330C11/330C40/331C40	–	GX50NiCr39-19	–	–	–	1.4865	–
–	GX 50 CrNi 30-30	–	–	N08801	–	Z5NCT3220	–	–	–	–	1.4868	–
B163	X 10 NiCrAlTi 32 20	NA 15	NCF800(TP)	–	NA15(H)	Z10NC32.21	–	–	B163	–	1.4876	B163
–	X 6 NiCrNbCe 32 27	–	–	–	X 6 NiCrNbCe 32-27	–	–	–	–	–	1.4877	–
–	X 12 NiCrSi 35 19	–	–	N08830	X1 0 NiCrSi 35 19	–	–	–	–	–	1.4886	330
–	X 10 NiCrSiNb 35 22	–	–	–	X10NiCrSiNb35-22	–	–	–	–	–	1.4887	–
–	X 10 CrMoV 9 1	–	–	S59180	X 10 CrMoV 9-1	–	–	–	–	–	1.4903	–
–	X 20 CrMoV 12 1	–	–	–	X 20 CrMoV 11-1	–	X 20 CrMoV 12 01 KW	2317	–	–	1.4922	–
–	GX 22 CrMoV 12 1	–	–	–	G-X 22 CrMoV 12 1	GX23CrMoV12-1	G X 23 CrMoV 12-1	–	–	–	1.4931	–
422	X 20 CrMoWV 12 1	–	SUH 616	S42200	–	–	X 22 CrMoWV 12 1	–	–	–	1.4935	–
661	X 12 CrCoNi 21 20	–	SUH 661	R30155	–	–	–	–	–	–	1.4971	–
R30155	X 12 CrCoNiMoWNb 21 20 20	–	–	R30155	X 12 CrCoNiMoWNb 21 20 20	Z 12 CKNDWNb 21.20.20	N-155	–	–	–	1.4974	–
–	X 40 CoCrNi 20 20	–	–	–	–	Z 42 CNKDWNb	–	–	–	–	1.4977	–
403	X 6 Cr 13	403 S 17	SUS 403	S 40300	X 6 Cr 13	Z 6 C 13	X 6 Cr 13	2301	–	A240	1.4000	ATI 410S™
439	X 6 CrTi 17	–	SUS 430 LX	S 43035	X 8 CrTi 1 7	Z 8 CT 1 7	X 6 CrTi 17	–	–	–	1.4510	430 Ti
–	X 22 CrMoV 1 -1 = ST12T	–	–	–	–	–	–	–	–	A437-76 Grade B4B	–	ATI FV448™
409 Cb	–	–	–	–	–	–	–	–	–	–	–	ATI 409Cb™
436 S	–	–	–	–	–	–	–	–	–	–	–	ATI 436S™
439 HP	–	–	–	S43035	–	–	–	–	–	–	–	ATI 439 HP™
441 HP	–	–	–	–	–	–	–	–	–	–	–	ATI 441 HP™
–	–	–	–	S44735	–	–	–	–	–	A240	–	AL 29-4C®
–	–	–	–	–	–	–	–	–	–	B625	–	ATI E-BRITE®
403Cb	–	–	–	–	–	–	–	–	–	–	–	T656
420 modified	–	–	–	–	–	–	–	–	–	–	–	Stavax ESR
–	–	–	–	–	–	–	–	–	–	–	–	420HC
–	–	–	–	–	–	–	–	–	–	–	–	CPM 154
–	–	–	–	–	–	–	–	–	–	–	–	CPM® S30V®
–	–	–	–	–	–	–	–	–	–	–	–	CPM® S35VN®
420 V	–	–	–	–	–	–	–	–	–	–	–	CPM® S90V®
–	–	–	–	–	–	–	–	–	–	–	–	M390
422	–	–	–	S42200	–	–	–	–	–	–	–	616

P6 Workpiece Materials Listing • Steel • P6

P6 High-Strength Ferritic, Martensitic, and PH Stainless Steels *Tensile Strength RM (MPa)*: 900–1350*
Hardness (HB): 350–450 (HRC): 35–48

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	17-7 PH	301 S 81	SUS 631	S17700	X 7 CrNiAl 17-7	X7CrNiAl17-7; Z9CNA17-07	X 7 CrNiAl 17-7	2388	–	A693	1.4564	ATI 17-7™
–	GX 22 CrNi 17	ANC 2	–	J91803	–	Z 20 CN 17.2 M	–	–	–	CB30	1.4059	–
–	GX 30 CrSi 6	–	–	–	–	–	–	–	–	–	1.4710	–
–	GX 4 CrNi 13 4	–	–	–	GX 4 CrNi 13-4	GX 4 CrNi 13-4	GX 4 CrNi 13-4	–	–	–	1.4317	–
–	GX 40 CrSi 17	–	–	–	–	–	GX 35 Cr 17	–	–	–	1.4740	–
–	GX 40 CrSi 24	–	SCH 1	–	–	–	GX 35 Cr 13	–	–	–	1.4745	–
–	GX 40 CrSi 28	452 C 11	SCH 2	J92605	–	–	GX 35 Cr 28	–	–	CC50	1.4776	–
–	X 105 CrCoMo 18 2	–	–	–	–	–	–	–	–	–	1.4528	N690
440 C	X 105CrMo 17	–	SUS 440C	S44004	X 105 CrMo 17	Z 100 CD 17	X 105 CrMo 17	–	–	–	1.4125	ATI 440C™
–	X 110 CrMoV 15	–	SUS 430 LX	–	–	Z 4 CN b 17	X 6 CrNb 17	–	–	–	1.4111	–
5718.9	X 12 CrNiMo 12	S.151	–	S64152	–	Z12CNDV12	–	–	–	–	1.4939	ATI Jethete™ M152
–	X 12 CrNiMoV 12 3	–	–	–	X 12 CrNiMoV 12-3	X 12 CrNiMoV 12-3	–	–	–	–	1.4938	T522
–	X 15 TN	–	–	–	420S25	Z40CDV16-02	X40CrMoVN16-2	–	–	F899	1.4123	X 15 TN
15-5 PH	X 15 U 5 W	–	–	S15500	–	Z6CNU15.05	–	–	–	A564/ A693/A705	1.4545	ATI 15-5™
–	X 19 CrMoNbVN 11 1	–	–	–	–	Z 21 CDNbV 11	–	–	–	–	1.4913	Jethete X19
431	X 19 CrNi 17 2	431 S 29	SUS 431	S 43100	X 19 CrNi 17 2	Z 15 CN 16.02	X 16 CrNi 16	2321	–	–	1.4057	431 (HT)
–	X 20 CrMo 17 1	–	–	–	–	–	–	–	–	–	1.4115	B17MoFe
420F Mod	X 22 CrMoNiS 13 1	–	–	–	–	–	–	–	–	–	1.4121	Bioline 4C27A
–	X 22 CrMoV 12 1	762	–	–	X 22 CrMoV 12-1	Z 21 CDV 12	X 22 CrMoV 12 1	–	–	–	1.4923	Jethete X20
420	X 29 CrS 13	416 S 37	SUS 416	–	X 29 CrS 13	Z29CF13	X 29 CrS 13	–	–	–	1.4029	–
–	X 3 CrNiCuTi 12 9	–	–	S45500	–	–	X 6 CrNiNb 18 11	–	–	–	1.4543	ATI 455™
13-8 PH	X 3 CrNiMoAl 13 8 2	–	–	S13800	–	Z4 CNDAT 13 09	–	–	–	–	1.4534	ATI 13-8Mo™
420 F	X 30 Cr 13	420 S 45	SUS420J2	S42020	X 30 Cr 13	Z 30 C 13	X 30 Cr 13	2304	–	CA40	1.4028	–
–	X 30CrMoN 15 1	–	–	–	420S45	Z33C13	–	2304	–	–	1.4108	N360
–	X 35 CrMo 17	–	–	–	X 39 CrMo 17 1	X39CrMo17-1	X 35 CrMo 17	–	–	–	1.4122	–
–	X 4 CrNiCuNb 16 4	–	–	J92200	–	Z 4 CNUNb 16.4 M	–	–	–	–	1.4540	–
415 M	X 4 CrNiMo 16 5 1	–	–	–	X 4 CrNiMo 16 5 1	Z 6 CND 16.05.01	–	2387	–	–	1.4418	APX4
–	X 40 CrNi 25 21	310 S 98	SCH 13	–	–	–	–	–	–	–	1.4846	–
–	X 40 CrSiMo 10 2	–	SUH3	–	X 40 CrSiMo 10-2	Z40CSD10	–	–	–	–	1.4731	–
420	X 45 Cr 13	(420 S45)	–	–	X 45 Cr 13	Z 40 C 14	X 40 Cr 14	–	–	–	1.4034	–
–	X 45 CrMoV 15	–	–	–	X 50 CrMoV 15	Z 50 CD 15	X 50 CrMo V 15	–	–	–	1.4116	UGI 4116N
HNV3	X 45 CrSi 9 3	–	SUH1	–	401S45	Z45CS9	X45CrSi8	–	HNV3	–	1.4718	–
HNV 2	X 45 SiCr 4	–	–	S64006	–	–	–	–	–	–	1.4704	–
CA 6-NM	X 5 CrNi 134	425 C 11	SCS 5	J91540	X 3 CrNiMo 13 4	Z 4 CDN 13.4	X 6 CrNi 13 04	2385	–	–	1.4313	–
630	X 5 CrNiCuNb 16 4	–	SUS 630	–	X 5 CrNiCuNb 16-4	Z6CNU17.04	–	–	–	CB7Cu	1.4542	UGIMA® 4542
17-4 PH	X 5 CrNiCuNb 17 4 4	–	SUS 630	S17400	X 5 CrNiCuNb 16-4	X5CrNiCuNb16.4	–	–	–	A693	1.4548	–
–	X 5 CrNiMoCuNb 14 5	–	–	–	X 5 CrNiMoCuNb 14-5	X 5 CrNiMoCuNb 14-5	X 5 CrNiMoCuNb 14-5	–	–	–	1.4594	–
–	X 50 CoCrNi 20 20	–	–	–	–	–	–	–	–	–	1.4978	–
EV8	X 53 CrMnNiN 2 9	349 S 54	SUH35/SUH36	S63008	349S54	Z52CMN21.09	X53CrMnNiN21-9	–	EV8	–	1.4871	–
–	X 55 CrMo 14	–	–	–	–	Z 50 CD 13	–	–	–	–	1.4110	–
–	X 60 CrMnMoVNbN 21 10	–	–	–	–	Z 60 CMDVNb 21-10 Az	–	–	–	–	1.4785	–
440 A	X 65 CrMo 14	–	SUS 440A	S44002	X 70 CrMo 15	Z 70 CD 14	–	–	–	–	1.4109	ATI 440A™
–	X 7 CrNiAl 17 7	301 S 81	SUS 631	S17700	X 7 CrNiAl 17-7	X7CrNiAl17-7;Z9CNA17-07	X 7 CrNiAl 17-7	2388	–	A693	1.4568	–
632	X 7 CrNiMoAl 15 7	–	–	S15700	–	–	–	–	–	–	1.4574	PH 15-7 Mo®
–	X 8 CrCoNiMo 10 6	Z 9 CKD 11	–	–	S152	Z10CKD10	–	–	–	–	1.4911	ATI FV535™
15-7 PH	X 8 CrNiMoAl 15 7 2	–	–	S15700	X 8 CrNiMoAl 15-7-2	Z8CNDA15.07	X 8 CrNiMoAl 15-7-2	–	–	A693	1.4532	ATI 15-7™
HNV 6	X 80 CrNiSi 20	443 S 65	SUH 4	S65006	X 80 CrNiSi 20	Z 80 CSN 20.02	X 80 CrSiNi 20	–	–	–	1.4747	–
–	X 85 CrMoV 18 2	–	–	–	X 85 CrMoV 18 2	Z 85 CDMV 18.02	X 85 CrMoV 19 3	–	–	–	1.4748	–
440 B	X 90 CrMoV 18	409 S 1 9	SUS 440 B	S44003	X 90 CrMoV 18	Z 3 CT 1 2	X 6 Cr Ti 1 2	–	–	–	1.4112	–
–	X45CrNiW18-9	331 S 40	SUH31	–	X 45 CrNiW 18 9	Z35CNWS14.14	X45CrNiW18-9	–	–	–	1.4873	–

NOTE: For legend, see page Y217.

M1 Workpiece Materials Listing • Stainless Steel • M1

M1 Austenitic Stainless Steel *Tensile Strength RM (MPa)*: <600* *Hardness (HB): 130–200*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
CF-8	X 6 CrNi 18 9	304 C 15	SCS 13	–	X 2 CrNiN 18 7	Z 6 CN 18.10 M	G X 5 CrNi 19-10	2333	–	CF8	1.4308	CF-8
–	X 2 NiCr 18 16	–	–	–	–	Z 3 CDT 18-02	–	–	–	–	1.4321	–
–	X 1 CrNi 25 21	–	–	–	X 1 CrNi 25 21	X1CrNi25-21	X 1 CrNi 25-21	–	–	–	1.4335	Uranus 65
610	X1CrNiSi 18-15-4	–	–	S30600	X 1 CrNiSi 18-15-4	Z1 CNS 17.5	X 1 CrNiSi 18-15-4	–	–	A240-97A	1.4361	ATI 610™
CF-8M	X 6 CrNiMo 18 10	316 C 16	SCS 14	J92900	GX 5 CrNiMo 19-11-2	GX5CrNiMo 19-11-2	G X 5 CrNiMo 19-11-2	2343	–	–	1.4408	–
–	GX 2 CrNiMo 19 11 2	–	–	–	GX 2 CrNiMo 19-11-2	GX 2 CrNiMo 19-11-2	GX 2 CrNiMo 19-11-2	–	–	–	1.4409	–
–	ER0 4412 AHMo	–	–	J92900	GX 5 CrNiMo19-11-3	GX 5 CrNiMo 19-11-3	–	–	–	A743CF8M	1.4412	–
–	ER0 4416 AHCRMo	–	–	–	GX 2 NiCrMoN 25-20-5	GX2NiCrMoN 25-20-5	–	–	–	–	1.4416	–
–	GX 6 CrNiMo 18 12	317 C 12	–	–	–	–	–	–	–	–	1.4437	–
–	X 2 CrNiMo 18 16 5	–	–	S31780	–	–	–	–	–	–	1.4440	–
–	GX 2 CrNiMoN 17 1 3 4	–	–	–	GX 2 CrNiMoN 17 1 3 4	–	–	–	–	–	1.4446	–
–	GX 6 CrNiMo 17 13	317 C 16	–	J93000	–	–	–	–	–	CG8M	1.4448	–
–	GX 2 NiCrMo 28 20 2	–	–	–	GX 2 NiCrMo 28-20-2	GX 2 NiCrMo 28-20-2	GX 2 NiCrMo 28-20-2	–	–	–	1.4458	–
–	GX 4 NiCrCuMo 30 20 4	–	–	–	GX 4 NiCrCuMo 30-20-4	GX 4 NiCrCuMo 30-20-4	–	–	–	–	1.4527	–
–	GX 5 CrNiNb 18 9	347 C 17	SCS 21	J92710	GX 5 CrNiNb 19-11	Z 4 CNNb 19.10 M	G-X 5 CrNiNb 19-11	–	–	–	1.4552	–
–	GX 2 CrNiMoCuN 20 18 6	–	–	–	GX 2 CrNiMoCuN 20-18-6	GX 2 CrNiMoCuN 20-18-6	–	–	–	–	1.4557	–
–	X 3 CrNiCuMo 17 11 3 2	–	–	–	X 3 CrNiCuMo17 11 3 2	X3CrNiCuMo 17-11-3-2	X 3 CrNiCuMo 17-11-3-2	–	–	–	1.4578	–
–	GX 5 CrNiMoNb 18 10	318 C 17	SCS 22	–	GX 5 CrNiMoNb 19-11-2	Z 4 CNDNb 18.12 M	GX 6 CRNOMONB 20 11	–	–	–	1.4581	–
–	GX 2 NiCrMoCu 25 2 0 5	–	–	–	GX 2 NiCrMoCu 25-20-5	GX 2 NiCrMoCu 25-20-5	–	–	–	–	1.4584	–
–	GX 7 CrNiMoCuNb 18 18	–	–	J94651	–	–	–	–	–	–	1.4585	–
–	GX 2 NiCrMoCuN 29 25 5	–	–	–	GX 2 NiCrMoCuN 29-25-5	GX 2 NiCrMoCuN 29-25-5	–	–	–	–	1.4587	–
–	GX 2 NiCrMoCuN 25 20 6	–	–	–	GX 2 NiCrMoCuN 25-20-6	GX 2 NiCrMoCuN 25-20-6	–	–	–	–	1.4588	–
–	GX 25 CrNiSi 18 9	302 C 35	–	J92602	–	–	G X 16 CrNi 20 10	–	–	CF20	1.4825	–
–	GX 40 CrNiSi 22 9	–	SCH 12	J92603	–	–	–	–	–	–	1.4826	–
–	GX 50 CrNiNb 25 22	–	–	–	–	–	–	–	–	–	1.4836	–
–	GX 40 CrNiSi 25 12	309 C 30	SCS 17	J93503	–	–	GX 35 CrNi 25 12	–	–	CE30	1.4837	–
334	X 8 CrNiAlTi 20 20	–	–	S33400	–	–	–	–	–	–	1.4847	ATI 334™
–	GX 40 NiCrSiNb 38 18	–	–	N08004	–	–	–	–	–	–	1.4849	–
–	GX 40 NiCrSiNb 35 25	–	–	–	–	–	–	–	–	–	1.4852	–
–	GX 40 NiCrSi 35 25	–	–	J95705	–	–	GX 50 NiCr 35 25	–	–	–	1.4857	–
105 MA	BGH 4892	–	–	–	–	–	–	–	–	–	1.4892	–
–	X 3 CrNi 18 11	–	–	–	–	–	X 2 CrNiN 18 11	–	–	–	1.4949	–
–	X 2 CrNiMo 19 12	316 S 93	–	S31683	x 2 CrNiMo 19 13 03 KE	Z 2 CND 19-12-03	–	–	–	–	1.4430	–
–	GX 7 NiCrMoCuNb 25 20	–	SCS 23	J95150	10.204.3.1B	Z 3 NCDU 25.20 M	GX 5 NiCrCuMo 29 21	–	–	–	1.4500	–
–	X 3 CrNiCu 19 9 2	–	–	–	S 124 M	PHYHQ 4560	304 RH1	–	–	–	1.4560	ACX276
–	–	–	–	S63198	–	–	–	–	19-9 DL	–	–	19-9 DL
–	X 2 CrNiMoN 17 13 3	–	–	–	–	Z 2 CND 17.13	X 2 CrNiMoN 17 13 3	–	–	–	–	–
332	–	–	–	N08800	–	–	–	–	–	–	–	ATI 332™
–	–	–	–	N08367	–	–	–	–	–	–	–	AL-6XN®
611	–	–	–	S30601	–	–	–	–	–	A240-97A	–	ATI 611™

M2 Workpiece Materials Listing • Stainless Steel • M2

M2 High-Strength Austenitic Stainless and Cast Stainless Steels *Tensile Strength RM (MPa)*: 600–800*
Hardness (HB): 150–230 (HRC): <25

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
304 H	X 5 CrNi 18 10	304 S 15	SUS 304	S30409	X 6 CrNi 18 10 KD	Z 6 CN 18.09	X 5 CrNi 18 10	2332	–	–	1.4301	–
–	X 5 CrNi 19 9	308 S 96	–	S30888	X 6CrNi 20 10 KE	–	–	–	–	–	1.4302	–
305	X 4 CrNi 18 12	305 S 19	SUS 305	S30500	X 4 CrNi18 12 KD	Z 5 CN 18.12	X 4 CrNi 19 10	–	–	–	1.4303	–
303	X 10 CrNiS 18 9	303 S 21	SUS 303	S30300	X 10 CrNiS 18 9	Z 10 CNF 18.09	X 10 CrNiS 18 09	2346	–	–	1.4305	ATI 303™
304 L	X 2 CrNi 19 11	304 C 12	SUS 304L	S30403	X 3 CrNi18 10 KD	Z 2 CN 18.09	GX 2 CrNi 19 10	2352	–	CF3	1.4306	ATI 304L™
304 L	X 2 CrNi 18 9	304 S 11	SUS 304L	–	X 2 CrNi 18 9	CLC18.9.L	X 2 CrNi 18-9	–	–	–	1.4307	–
–	GX 2 CrNi 19 11	304 C 12	–	J92500	GX2CrNi19-11	GX2CrNi19-11	GX2CrNi19-11	2352	–	CF3	1.4309	–
304 LN	X 2 CrNiN 18 10	304 S 62	SUS 304 LN	S30453	X 2 CrNiN 18 10	Z 8 CN 18.12	X 8 CrNi 19 10	2371	–	–	1.4311	–
305	GX 10 CrNi 18 8	302 C 25	SCS 12	–	–	Z 10 CN 18.9 M	–	–	–	–	1.4312	ATI 305™
308 L	X 2 CrNi 19 9	308 S 92	SUS Y 308L	S30883	X 2 CrNi 20 10 KE	Z 2 CN 20.10	–	–	–	–	1.4316	–
–	X 2 CrNiN 18 7	–	–	–	X 2 CrNiN 18-7	18-7L	18-7L	–	–	–	1.4318	–
302	X 10 CrNi 18 9	302 S 26	SUS 302	S20200	302S31	Z10CN18-09	X 10 CrNi 18 09	2330	–	–	1.4319	ATI 302™
301	X 10 CrNi 18 9	302 S 26	–	J92501	X 10 CrNi 18 9	–	–	–	–	–	1.4324	–
–	X 10 CrNi 30 9	312 S 94	–	–	X 12 CrNi 30 09 KE	Z 10 CN 31-10	–	–	–	–	1.4337	–
–	X 3 CrNi 13 4	–	–	S41086	X 3 CrNi 14 04 KE	–	–	–	–	–	1.4351	410NiMo
202	X 3CrMnNiN 18 8 7	–	–	–	284S16	Z8CMN18-08-05	–	–	–	–	1.4371	–
201	X 12 CrMnNiN 17 7 5	284 S 16	SUS 201	–	X 12 CrMnNiN 17-7-5	X 12 CrMnNiN17-7-5	X 12 CrMnNiN 17-7-5	–	–	–	1.4372	ACX060
316	X 5 CrNiMo 17 12 2	316 S 16	SUS 316	S31600	X6 CrNiMo 17 12 2 KD	Z 6 CND 17.11	X 5 CrNiMo 17 12	2347	–	–	1.4401	ATI 316™
316L	X 2 CrNiMo 17 13 2	316 S 12	SUS 316 L	S31603	GX 3 CrNiMo 17 12 2 KD	Z 3 CND 19.10 M	GX 2 CrNiMo 19 11	2348	–	–	1.4404	ATI 316L™
316 LN	X 2 CrNiMoN 17 12 2	316 S 61	SUS 316 LN	S31653	X 3 CrNiMoN 17 12 2	Z 2 CND 17.12 Az	X 2 CrNiMoN 17 12	2353	–	–	1.4406	ATI 316LN™
–	X 5 CrNiMo 13 4	–	–	J91550	–	Z 6 CND 16.05.01	–	–	–	–	1.4407	–
–	X12CrNiMoS18-11	–	–	–	–	Z3CNDF17-13	–	–	–	–	1.4427	Chronifer® Special KL
316L	X 2 CrNiMo 17 12 3	316 S 13	SUS 316L	–	X 2 CrNiMo 17 12 2	Z 3 CND 17-13-30	X 2 CrNiMo 17-12-3	2348/2353/2354	–	–	1.4432	–
–	X 2 CrNiMoN 18 12 4	–	–	–	317 LN	CLC18.12.4.LN	X2CrNiMoN1812-4	–	–	–	1.4434	–
316 L	X 2 CrNiMo 18 14 3	316 S 11	SCS 16	S31603	X 2 CrNiMo 18 16	Z 2 CND 17.13	X 2 CrNiMo 17 13	2353	–	–	1.4435	–
316	X 5 CrNiMo 17 1 3 3	316 S 16	SUS 316	S31600	X6 CrNiMo 18 13 3 KD	Z 6 CND 17.12	X 5 CrNiMo 17 13	2343	–	–	1.4436	–
317 L	X 2 CrNiMo 18 16 4	317 S 12	SUS 317 L	S31703	X 3 CrNiMo 18 16 4	Z 2 CND 19.15	X 2 CrNiMo 18 15	2367	–	–	1.4438	ATI 317L™
–	X 2 CrNiMoN 17 13 5	–	–	–	X 3 CrNiMo 17 13 5	Z 3 CND 18.14-05 AZ	–	–	–	–	1.4439	–
–	X 2 CrNiMo 18 15 4	–	–	S31675	–	X 3 CrNiMoN 19-14	–	–	–	–	1.4442	–
317	X 5 CrNiMo 17 13	317 S 16	SUS 317	S31700	–	–	X 5 CrNiMo 18 15	–	–	–	1.4449	AL 317L+E55
–	X 5 CrNiCuNb 16 4	–	–	–	–	Z7CNU16.04	–	–	–	–	1.4452	–
–	–	–	–	S21904	–	–	–	–	–	A666	1.4454	ATI 219
–	X 2 CrNiMnMoN 20 16	–	–	–	X 2 CrNiMnMoN 20 15 08 KE	–	–	–	–	–	1.4455	–
–	X 1 CrNiMoN 25 2 5 2	–	–	S31050	–	–	–	–	–	–	1.4465	2RE69

(continued)

M2 Workpiece Materials Listing • Stainless Steel • M2 *(continued)*

M2 High-Strength Austenitic Stainless and Cast Stainless Steels *Tensile Strength RM (MPa)*: 600–800*
Hardness (HB): 150–230 (HRC): <25

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	X 1 CrNiMoN 25 22 2	–	–	–	725 LN	DMV 25.22.2	X 1 CrNiMoN 25-22-2	–	–	–	1.4466	–
–	X 1 NiCrMoCuN 25 20 6	–	–	–	–	–	–	–	–	–	1.4529	Uranus B26 6Mo
–	GX 2 NiCrMoCuN 25 20	–	–	J94650	GX 2 CrNiMoCuN 25-20-6	–	–	–	–	–	1.4536	–
–	X 1 CrNiMoCuN 25 25 5	–	–	–	X 1 CrNiMoCuN 25-25-5	X 1 CrNiMoCuN 25-25-5	X 1 CrNiMoCuN 25-25-5	–	–	–	1.4537	–
321	X 6 CrNiTi 18 10	321 S 12	SUS 321	S32100	X 6 CrNiTi 18 10	Z 6 CNT 18.10	X 6 CrNiTi 18 11	2337	–	–	1.4541	ATI 321™
321	A 700	304 S 31	–	J92630	–	Z 10 CNT 18 11	X 6 CrNiTi 18 11	–	–	–	1.4544	–
–	X 1 CrNiMoCuN 20 18 7	X 1 CrNiMoCuN 20 18 7	–	S31254	X 1 CrNiMoCuN 20-18-7	X 1 CrNiMoCuN 20-18-7	X 1 CrNiMoCuN 20-18-7	–	–	–	1.4547	Uranus B25 6Mo
–	X 2 NiCrAlTi 32 20	–	NCF 800 TB	–	–	–	–	–	–	–	1.4558	–
–	X 1 NiCrMoCuN 31 27 4	–	–	–	X 1 NiCrMoCu 31 27 4	X 1 NiCrMoCuN 31 -27-4	X 1 NiCrMoCuN 31 -27-4	2584	–	–	1.4563	–
–	X 3 CrNiCu 18 9 4	394 S 17	SUS XM7	–	X3CrNiCu18-9-4	304CU	304K	–	–	–	1.4567	–
316 Ti	X 6 CrNiMoTi 17 12 2	320 S 31	SUS 316Ti	–	X 6 CrNiMoTi 17 12 2	Z 6 CNDT 17.12	X 6 CrNiMoTi 17 12	2350	–	–	1.4571	ATI 316Ti™
–	GX 5 CrNiMoNb 23 9	–	–	–	–	–	–	–	–	–	1.4572	–
316 Ti	X 10 CrNiMoTi 18 12	320 S 33	SUS 316Ti	S31635	–	–	X 6 CrNiMoTi 17 13	–	–	–	1.4573	–
318	X 10 CrNiMoNb 18 12	–	–	–	–	–	X 6 CrNiMoNb 17 13	–	–	–	1.4583	–
–	X 2 CrNiCu 19 10	–	–	–	X 2 CrNiCu 19-10	TX 304L	–	–	–	–	1.4650	–
–	X1CrNiMoCuN24-22-8	–	–	S32654	–	–	–	–	–	–	1.4652	654 SMO®
–	153 MA	–	–	S30415	X 6 CrNiSiNCe 19 10	–	–	–	–	–	1.4818	153 MA™
–	X 20 CrNiSi 25 4	–	–	S44635	X 15 CrNiSi 25 4	Z 20 CNS 25.04	X 20 CrNiSi 25 4	–	–	–	1.4821	–
309	X 15 CrNiSi 20 12	309 S 24	SUH 309	S30900	X 15 CrNiSi 20 12	Z 15 CNS 20.12	X 16 CrNiSi 25,20	–	–	–	1.4828	ATI 309™
309 S	X 7 CrNi 23 14	309 S 24	SUS 309 S	J93400	X 12 CrNi 23 13	Z 15 CN 24.13	X 6 CrNi 23 14	–	–	–	1.4833	–
–	353 MA	–	–	S35315	X 6 NiCrSiNCe 35-25	–	–	–	–	–	1.4854	353 MA®
–	X 8 NiCrSi 38 18	NA 17	–	N08330	–	Z 12 NCS 37.18	–	–	–	–	1.4862	–
–	X 33 CrNiMnN 23 8	–	–	–	X 33 CrNiMnN 23-8	X 33 CrNiMnN 23-8	–	–	–	–	1.4866	–
EV 12	X 55 CrMnNiN 20 8	–	–	S63012	X 55 CrMnNiN 20-8	Z 55 CMN 20.08 Az	–	–	–	–	1.4875	–
321	X 12 CrNiTi 18 9	321 S 20	SUS 321	S32100	X 10 CrNiTi 18 10	Z 6 CNT 18.12	X 6 CrNiTi 18.11	2337	–	–	1.4878	ACX315
EV 11	X 70 CrMnNiN 21 6	–	–	S63011	–	–	X 70 CrMnNiN 21 6	–	–	–	1.4881	–
–	X 50 CrMnNiNbN 21 9	–	–	–	X 50 CrMnNiNbN 21-9	Z 50 CMNNb 21.09	–	–	–	–	1.4882	–
–	X 7 CrNiNb 18 10	–	SUS347H	S34709	X7CrNiNb18-10	X7CrNiNb18-10	–	–	–	–	1.4912	–
316 H	X 6 CrNiMo 17 13	316 S 51	–	S31609	X 6 CrNiMo 17 12 2	Z 6 CND 17-13 B	–	–	–	–	1.4919	–
321 H	X 8 CrNiTi 18 10	–	–	–	X 6 CrNiTiB 18-10	Z 6 CNT 18-10 B	X 6 CrNiTiB 11	–	–	–	1.4941	–
A660	X 4 NiCrTi 25 15	HR251	SUH 660	S66286	–	Z 6 NCTDV 25.15 B	–	–	–	–	1.4943	Discaloy
–	X 6 CrNiWNb 16 16	–	–	–	–	–	–	–	–	–	1.4945	–
–	X 6 CrNi 18 11	304 S 51	–	S30480	X 6 CrNi 18 10	Z 6 CN 18-09	X 5 CrNi 18 10 KW	2333	–	–	1.4948	–
–	X 6 CrNi 25 20	–	–	–	310 H	–	–	–	–	–	1.4951	–
–	X 8 CrNiNb 16 13	347 S 51	–	–	–	–	–	–	–	–	1.4961	–
–	Esshete12 50	–	–	S21500	X 10 CrNiMoMnNbVB 15-10-1	X 10 CrNiMoMnNbVB 15-10-1	–	–	–	A213	1.4982	Esshete 1250
–	X 8 CrNiMoBNb 16 16	–	–	–	X 7 CrNiMoBNb 16-16	–	–	–	–	–	1.4986	–
301	X 12 CrNi 17 7	301 S 21	SUS 301	S30100	X 12 CrNi 17 7	Z 12 CN 17.07	X 12 CrNi 17 07	2331	–	–	1.4310	ATI 301™
–	GX 40 CrNi 27 4	–	–	J92615	–	–	GX 35 CrNi 28 05	–	–	–	1.4340	–
304	X 5 CrNi 18 9	304 S 31	SUS 304	S30400	1	Z6CN18.09	X5CrNi1810	2332/2333	–	A276	1.4350	ATI 304™
–	X 15 CrNiMn 18 8	307 S 98	–	–	X 15 CrNiMn 18 08 KE	Z 8 CNM 19-09-07	–	–	–	–	1.4370	–
S32750	GX 10 CrNiMo 18 9	–	SCS 14 A	S32750	X 2 CrNiMoN 25-7-4	Z 5 CND 20.10 M	X 2 CrNiMoN 25-7-4	–	–	–	1.4410	–
–	X 5 CrNiMo 18 11	315 S 16	–	–	–	–	–	2340	–	–	1.4420	–
347	X 6 CrNiNb 18 10	347 S 17	SUS 347	S34700	X 6 CrNiNb 18 10	Z 6 CNNb 18.10	X 6 CrNiNb 18 11	2338	–	–	1.4550	ATI 347™
316 Cb	X 6 CrNiMoNb 17 12 2	318 S 17	–	–	X 6 CrNiMoNb 17 12 2	Z 6 CNDNb 17.12	X 6 CrNiMoNb 17 12	–	–	–	1.4580	–
–	X 3 CrNiMoN 17 13	–	–	–	X 3 CrNiMoN 17-13-3	–	X 2 CrNiMoN 17 12	–	–	–	1.4910	–
–	X 6 CrNi 23 13	–	–	–	309 H	–	–	–	–	–	1.4950	–
A286	X 6 NiCrTiMoVB 25-15-2	286 S 31	–	S66286	X 6 NiCrTiMoVB 21-15-2	–	–	–	–	–	1.4980	Incoloy A 286
XM-19	–	–	–	S20910	–	–	–	–	–	F1314	–	ATI XM-19™
303 plus X	–	–	–	S30310	–	–	–	–	–	XM-5	–	303 plus X
–	X 2 CrNi 18 13 3	–	–	–	–	–	–	–	–	–	–	Staybrite® 4435NCu
218	–	–	–	S21800	–	–	–	–	–	–	–	Nitronic 60
201LN	–	–	–	S20153	–	–	–	–	–	–	–	ATI 201LN™-MIL
–	X 2 CrNiMoN 17 13 3	–	–	–	–	Z 2 CND 17.13	X 2 CrNiMoN 17 13 3	–	–	–	–	AL 316LXN
–	–	–	–	S31675	–	–	–	–	–	F1586	–	ATI REX 734™
–	–	–	–	–	–	–	–	–	–	–	–	P558
–	X 1 NiCrMoCu 22 24 6	–	–	–	–	–	–	–	–	–	–	Uranus B66
–	–	–	–	–	–	–	–	–	–	–	–	ATI Datalloy 2®
–	–	–	–	–	–	–	–	–	–	–	–	ATI Staballoy® AG17®
–	–	–	–	–	–	–	–	–	–	–	–	P530
–	X 1 NiCrMoCu 31 27 4	–	–	N08028	–	–	–	–	–	–	–	Uranus B28
–	–	–	–	–	–	–	–	–	–	–	–	P750
–	–	–	–	–	–	–	–	–	–	–	–	P750-I
–	X 4 CrNiMoN 21 9 4	–	–	–	–	–	–	–	–	F1586	–	M30NW
–	–	–	–	–	–	–	–	–	–	–	–	P550
–	–	–	–	–	–	–	–	–	–	–	–	P580
–	–	–	–	–	–	–	–	–	–	–	–	P650
–	–	–	–	–	–	–	–	–	–	–	–	ATI Datalloy HP™

NOTE: For legend, see page Y217.

M3 ■ Workpiece Materials Listing • Stainless Steel • M3

M3 Duplex Stainless Steel *Tensile Strength RM (MPa)*: <800* *Hardness (HB): 135–275 (HRC): <30*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	GX 120 CrMo 29 2	–	–	–	–	–	–	–	–	F30M	1.4138	PK324
–	X 2 CrMnNiN 21 5 1	–	–	S32101	–	–	–	–	–	–	1.4162	LDX2101
–	GX 6 CrNiN 26 7	–	–	–	GX 6 CrNiN 26-7	–	–	–	–	–	1.4347	–
S32304	X 2 CrNiN 23 4	–	–	S32304	SAF 2304	35 N	X 2 CrNiN 23-4	2327	–	A240	1.4362	ATI 2304™
S31500	X 2 CrNiMoSi 19 5	–	–	S39215	GX 2 CrNiMoN 25-7-3	GX 2 CrNiMoN 25-7-3	–	2376	–	–	1.4417	–
S31803	X 2 CrNiMoN 22 5 3	318 S 13	SUS 329J 3L	S31803, S32205	X 2 CrNiMoN 22 5 3	Z 3 CND 22.05 AZ	X 2 CrNiMoN 22-5-3	2377	F51	2205	1.4462	ATI 2205™
–	GX 6 CrNiMo 24 8 2	–	–	–	–	–	–	–	–	–	1.4463	–
–	GX 2 CrNiMoN 25 6 3	–	–	–	GX 2 CrNiMoN 25-6-3	GX 2 CrNiMoN 25-6-3	–	–	–	–	1.4468	–
–	GX 2 CrNiMoN 26 7 4	–	–	J93404	GX 2 CrNiMoN 26-7-4	GX 2 CrNiMoN 26-7-4	GX 2 CrNiMoN 26-7-4	–	–	–	1.4469	–
–	X 2 CrNiMoCuWN 25 7 4	–	–	S32760	X 2 CrNiMoCuWN 25 7 4	X 2 CrNiMoCuWN 25-7-4	X 2 CrNiMoCuWN 25-7-4	–	–	F 55	1.4501	F55
2507	X 2 CrNiMoCuN 25 6 3	–	–	–	X 2 CrNiMoCuN 25-6-3	DMV25.7Cu	329SK	–	–	–	1.4507	Uranus 52N+
–	GX 2 CrNiMoCuWN 25 8 4	–	–	–	X 6 CrNiCu 18 10 4 KD	Z 4 CNUD 17-11-03 FF	–	–	–	–	1.4508	–
–	GX 2 CrNiMoCuN 25 6 3 3	–	–	–	GX 2 CrNiMoCuN 25-6-3-3	GX 2 CrNiMoCuN 25-6-3-3	GX 2 CrNiMoCuN 25-6-3-3	–	–	–	1.4517	–
–	X 4 CrNiMoNb 25 7	–	SCS 22	–	–	–	–	–	–	–	1.4582	PK343
–	BGH 4593	–	–	–	GX 3 CrNiMoCuN 24 6 2 3	–	–	–	–	–	1.4593	Noridur®
329	X 4 CrNiMo 27 5 2	–	SUS 329 J1	S32900	X 3 CrNiMo 27 5 2	X 2 CrNiMo 25-7-3	X 3 CrNiMo 27-5-2	2324	–	A240	1.4460	10RE51
–	GX 2 CrNiMoN 22 5 3	–	–	–	GX 2 CrNiMoN 22-5-3	GX 2 CrNiMoN 22-5-3	GX 2 CrNiMoN 22-5-3	–	–	–	1.4470	–
S32550	–	–	–	S32550	–	–	–	–	–	–	–	Ferralium® alloy 255
–	–	–	–	S32003	–	–	–	–	–	–	–	ATI 2003®
–	–	–	–	S80211	–	–	–	–	–	–	–	ATI 2102™
–	–	–	–	S32550	–	–	–	–	–	–	–	ATI 255™
–	–	–	–	S34565	–	–	–	–	–	–	–	ATI 4565™
–	X 2 CrNiMoN 25 6 3	–	–	–	–	–	–	–	–	–	–	Uranus 47N+
–	–	–	–	–	–	–	F60	–	–	32760	–	Zeron® 100

Cast Iron

K1 ■ Workpiece Materials Listing • Cast Iron • K1

K1 Grey Cast Iron *Tensile Strength RM (MPa)*: 125–500* *Hardness (HB): 120–290 (HRC): <32*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	GG-150HB	–	–	–	GJL-HB 170	–	–	–	–	–	0.6012	–
A48-25 B	GG-15	Grade 150	FC 150	–	GJL-150	FGL 150	G 15	0115-00	–	A 48 Class 25	0.6015	–
–	GG-170HB	–	–	N06985	GJL-HB 205	–	–	–	–	–	0.6017	–
–	GG-190HB	–	–	N06022	GJL-HB 230	–	–	–	–	–	0.6022	–
A48-35 B	GG-25	Grade 260	FC 250	–	GJL-250	FGL 250	G 25	0125-00	–	A 48 Class 35	0.6025	–
–	GG-26	–	FC260	–	–	–	G 26	0126-00	–	–	0.6026	–
–	GG-220HB	–	–	W06027	GJL-HB 250	FGL 250	–	–	–	–	0.6027	–
–	GG-240HB	–	–	–	GJL-HB 275	–	–	–	–	–	0.6032	–
A48-50 B	GG-35	Grade 350	FC 350	–	GJL-350	FGL 350	G 35	0135-00	–	A 48 Class 50	0.6035	–
–	GG-260HB	–	–	–	GJL-HB 275	–	–	–	–	–	0.6037	–
A48-20 B	GG-10	Grade 100	FC 100	–	GJL-100	FGL 100	G 10	0110-00	–	A 48 Class 20	0.6010	–
A48-30 B	GG-20	Grade 220	FC 200	W06020	GJL-200	FGL 200	G 20	0120-00	–	A 48 Class 30	0.6020	–
A48-45 B	GG-30	Grade 300	FC 300	–	GJL-300	FGL 300	G 30	0130-00	–	A 48 Class 45	0.6030	–
A48-55 B	GG-40	Grade 400	–	–	GJL-400	FGL 400	–	0140-00	–	A 48 Class 55	0.6040	–
A48-40	–	–	–	–	–	–	–	–	–	A 48 Class 40	–	–
A48-60	–	–	–	–	–	–	–	–	–	A 48 Class 60	–	–
–	–	–	–	–	–	–	–	–	G1800	A 159 G1800	–	–
–	–	–	–	–	–	–	–	–	G3000	A 159 G3000	–	–
–	–	–	–	–	–	–	–	–	G10H18	A 159 G3000	–	–
–	–	–	–	–	–	–	–	–	G11H18	A 159 G3000	–	–
–	–	–	–	–	–	–	–	–	G3500	A 159 G3500	–	–
–	–	–	–	–	–	–	–	–	G11H20	A 159 G3500	–	–
–	–	–	–	–	–	–	–	–	G4000	A 159 G4000	–	–
–	–	–	–	–	–	–	–	–	G13H19	A 159 G4000	–	–
–	–	–	–	–	–	–	–	–	G12H21	A 159 G4000	–	–
–	–	–	–	–	–	–	–	–	G9H12	A 159 G1800	–	–
–	GG-26-Cr	–	–	–	–	–	–	–	–	–	–	–
–	GG-25-Cr	–	–	–	–	–	–	–	–	–	–	–

K2 Workpiece Materials Listing • Cast Iron • K2

K2 Low- and Medium-Strength Ductile Irons (Nodular Irons) and Compacted Graphite Irons (CGI) *Tensile Strength RM (MPa)*: <600*
Hardness (HB): 130–260 (HRC): <28

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	GGL-NiMn137	L-NiMn 13 7	FCA NiMn 13 7	F43000	GJLA-XNiMn 13-7	L-NM 13 7	–	–	–	–	0.6652	–
A 436 Type 1	GGL- NiCuCr1562	L-NiCuCr 15 6 2	FCA-NiCuCr 15 6 2	F41000	GJLA-XNiCuCr 15-6-2	L-NUC 15 6 2	–	–	–	–	0.6655	–
A 436 Type 1b	GGL-NiCuCr1563	L-NiCuCr 15 6 3	FCA-NiCuCr 15 6 3	F41001	GJLA-XNiCuCr 15-6-3	L-NUC 15 6 3	–	–	–	–	0.6656	–
A 436 Type 2b	GGL-NiCr203	L-NiCr 20 3	FCA-NiCr 20 3	F41003	GJLA-XNiCr 20-3	L-NC 20 3	–	–	–	–	0.6661	–
–	GGL-NiSiCr2053	L-NiSiCr 20 5 3	FCA-NiSiCr 20 5 3	–	GJLA-XNiSiCr 20-5-3	L-NSC 20 5 3	–	–	–	–	0.6667	–
A 436 Type 3	GGL- NiCr303	L-NiCr 30 3	FCA-NiCr 30 3	F41004	GJLA-XNiCr 30-3	L-NC 30 3	–	–	–	–	0.6676	–
–	GGG-35.3	–	–	–	GJS-350-22	–	–	0717-15	–	–	0.7033	–
–	GGG-40.3	SNG 370/17	FCD 370	–	GJS-400-18	FGS 370-17	GSO 42/15	0717-15	–	–	0.7043	–
–	GGG-45	–	FCD 450	–	–	–	–	–	–	–	0.7045	–
–	–	–	–	–	–	FGS450.10	–	–	–	–	0.7049	–
–	GGG-65	–	–	–	–	–	–	–	–	–	0.7065	–
–	GGG-NiMn137	S-NiMn 13 7	FCDA-NiMn 13 7	–	GJSA-XNiMn 13-7	S-Mn 13 7	–	0772-00	–	–	0.7652	–
–	GGG-NiCrNb202	S2W	FCDA-NiCrNb 20 2	–	GJSA-XNiCrNb 20-2	–	–	–	–	–	0.7659	–
A 439 Type D-2B	GGG-NiCr203	S-NiCr 20 3	FCDA-NiCr 20 3	F43001	GJSA-XNiCr 20-3	–	–	–	–	–	0.7661	–
–	GGG-NiSiCr2052	S-NiSiCr 20 5 2	FCDA-NiSiCr 20 5 2	–	GJSA-XNiSiCr 20-5-2	S-NSC 20 5 2	–	–	–	–	0.7665	–
A 571 Type D-2M	GGG-NiMn234	S-NiMn 23 4	FCDA-NiMn 23 4	–	GJSA-XNiMn 23-4	S-NM 23 4	–	–	–	–	0.7673	–
A 439 Type D-3	GGG-NiCr303	S-NiCr 30 3	FCDA-NiCr 30 3	F43003	GJSA-XNiCr 30-3	S-NC 30 3	–	–	–	–	0.7676	–
A 439 Type D-3A	GGG-NiCr301	S-NiCr 30 1	FCDA-NiCr 30 1	F43004	GJSA-XNiCr 30-1	S-NC 30 1	–	–	–	–	0.7677	–
–	GGG-NiSiCr3055	–	FCDA-NiSiCr 30 5 5	–	GJSA-XNiSiCr 30-5-5	–	–	–	–	–	0.7679	–
A 439 Type D-5	GGG-Ni35	S-Ni 35	FCDA-Ni 35	F43006	GJSA-XNi 35	S-N 35	–	–	–	–	0.7683	–
A 439 Type D-5A	GGG-NiCr353	S-NiCr 35 3	FCDA-NiCr 35 3	F43007	GJSA-XNiCr 35-3	S-NC 35 3	–	–	–	–	0.7685	–
–	GGG-NiSiCr3552	–	FCDA-NiSiCr 35 5 2	–	GJSA-XNiSiCr 35-5-2	FGS Ni35 Si 5 Cr2	–	–	–	–	0.7688	–
–	GTW-35-04	W 35-04	FCMW 330 class 1	–	GJMW-35-0-4	MB 35-7	W 35-04	–	–	–	0.8035	–
–	GTW-S-38-1 2	W 38-12	–	–	GJMW-360-12	MB 300-12	–	–	–	–	0.8038	–
–	GTW-45-07	W 45-07	FCMWP 440 class 3	–	GJMW-450-7	MB 450-7	GMB 45	–	–	–	0.8045	–
–	GTW-55	–	–	–	–	–	GMB 55	–	–	–	0.8055	–
–	GTW-65	–	–	–	–	–	GMB 65	–	–	–	0.8065	–
32510	GTS-35-10	B 340/12	FCMP 330	–	GJMB-350-10	MN 350-10	–	815	–	–	0.8135	–
40010	GTS-45-06	P 440/7	FCMP 440	–	GJMB-450-6	MN 450 - 6	P 45-06	852	–	–	0.8145	–
50005	GTS-55-04	P 510/4	FCMP 490	–	GJMB-550-4	MN 550-4	P 55-04	854	–	–	0.8155	–
70003	GTS-65-02	P 570/3	FCMP 540	–	GJMB-650-2	MN 650-3	P 65-02	0858-00, 0856-00	–	–	0.8165	–
90001	GTS-70-02	P 690/2	FCMP 690	–	GJMB-700-2	MN 700-2	P 70-02	0862-03; 0864-03	–	–	0.8170	–
–	GGV-30	–	–	–	GJV-300	–	–	–	–	–	0.9991	–
A 436 Type 2	GGL-NiCr202	L-NiCr 20 2	FCA-NiCr 20 2	F41002	GJLA-XNiCr 20-2	L-NC 20 2	–	0523-00	–	–	0.6660	–
A 436 Type 4	GGL- NiSiCr3055	L-NiSiCr 30 5 5	FCA-NiSiCr 30 5 5	F41005	GJLA-XNiSiCr 30-5-5	L-NSC 30 5 5	–	–	–	–	0.6680	–
60-40-18	GGG-40	SNG 420/12	FCD 400 class 1	F32800	GJS-400-15	FGS400-12	GS400-12	0717-02	60-40-18	60-40-18	0.7040	–
65-45-12	GGG-50	SNG 500/7	FCD 500	F33100	GJS-500-7	FGS 500-7	GS 500/7	0727-02	65-45-12	65-45-12	0.7050	–
–	GGG-60	SNG 600/3	FCD 600-3	–	GJS-600-3	–	GS 600/3	–	80-55-06	80-55-06	0.7060	–
100-70-03	GGG-70	SNG 700/2	FCD 700	F34800	GJS-700-2	FGS 700-2	GS 700-2	0737-01	100-70-03	100-70-03	0.7070	–
120-90-02	GGG-80	SNG 800/2	FCD 800	F36200	GJS-800-2	FGS 800-2	GS 800-2	–	120-90-02	120-90-02	0.7080	–
A 439 Type D-2	GGG-NiCr202	L-NiCuCr 20 2	FCDA-NiCr 20 2	–	GJSA-XNiCr 20-2	L-NC 20 2	–	0523-00	–	–	0.7660	–
A 439 Type D-2C	GGG-Ni22	S-Ni 22	FCDA-Ni 22	F43002	GJSA-XNi 22	S-N 22	–	–	–	–	0.7670	–
A 439 Type D-4	GGG-NiSiCr3053	S-NiSiCr 30 5 5	FCDA-NiSiCr 30 5 4	F43005	GJSA-XNiSiCr 30-5-3	S-NSC 30 5 5	–	–	–	–	0.7680	–
–	GTW-40-05	W 40-05	FCMW 370	–	GJMW-400-5	MB 400-5	GMB 40	–	–	–	0.8040	–
–	GGV-40	–	–	–	GJV-400	–	–	–	–	–	0.9990	–
80-55-06	–	–	–	F33800	–	FGS 350-22	–	0732-03	D5506	–	–	–
–	–	–	–	–	–	–	–	–	D4018	–	–	–
–	–	–	–	–	–	–	–	–	D400	–	–	–
–	–	–	–	–	–	–	–	–	D4512	–	–	–
–	–	–	–	–	–	–	–	–	D450	–	–	–
–	–	–	–	–	–	–	–	–	M3210	–	–	–
–	–	–	–	–	–	–	–	–	M4504	–	–	–
–	–	–	–	–	–	–	–	–	M5003	–	–	–
–	–	–	–	–	–	–	–	–	M5503	–	–	–
–	–	–	–	–	–	–	–	–	M7002	–	–	–
–	–	–	–	–	–	–	–	–	D7003	–	–	–
–	–	–	–	–	–	–	–	–	M8501	A 602 M8501	–	–
–	GGV-45	–	–	–	GJV-450	–	–	–	–	–	–	–
–	GGG-SiMo3.08	–	–	–	–	–	–	–	–	–	–	–
–	GGG-SiMo4.10	–	–	–	–	–	–	–	–	–	–	–
–	GGG-SiMo5.10	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	HPI C13 06
–	GGV-35	–	–	–	GJV-350	–	–	–	–	–	–	–
–	GGV-50	–	–	–	GJV-500	–	–	–	–	–	–	–

K3 Workpiece Materials Listing • Cast Iron • K3

K3 High-Strength Ductile Irons and Austempered Ductile Iron (ADI) *Tensile Strength RM (MPa)*: >600* *Hardness (HB): 180–350 (HRC): <43*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	–	–	–	–	–	–	–	–	–	A 897 125-80-10	–	–
–	–	–	–	–	–	–	–	–	–	A 897 150-100-7	–	–
–	–	–	–	–	–	–	–	–	–	A 897 175-125-4	–	–
–	–	–	–	–	–	–	–	–	–	A 897 200-150-1	–	–
–	–	–	–	–	–	–	–	–	–	A 897 230-185	–	–

NOTE: For legend, see page Y217.

N1 Workpiece Materials Listing • Non-Ferrous Metals • N1

N1 Wrought Aluminium

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
1080	Al99.8	–	1A	–	–	–	–	–	–	–	3.0128	–
1050	Al99.5	L 31	1B	–	–	A 59050 C	–	–	–	–	3.0255	–
–	SG-Al 99,5	–	–	–	–	–	–	–	–	–	3.0259	–
1070	Al99.7	–	–	–	–	–	4508	–	–	–	3.0275	–
3103	AlMn	–	N3	–	–	–	–	–	–	–	3.0515	–
3003	AlMnCu	–	–	–	–	–	–	–	–	–	3.0517	–
3005	AlMn1Mg0.5	–	–	–	–	–	–	–	–	–	3.0525	–
3004	AlMn1Mg1	–	–	–	–	–	–	–	–	–	3.0526	–
–	AlMgSiPb	–	–	–	–	–	–	–	–	–	3.0615	–
–	SG-Al 99,5Ti	–	–	–	–	–	–	–	–	–	3.0805	–
–	SG-Al 99,5 Ti	–	–	–	–	–	–	–	–	–	3.0805	–
2014	AlCuSiMn	–	H15	–	–	A-U4SG	3581	–	–	–	3.1255	–
2017	AlCuMg 1	–	–	–	AW-2017 A	A-U4G	3579	–	–	–	3.1325	–
2024	AlCuMg 2	–	L97	–	AW-2024	A-U4G1	–	–	–	–	3.1355	–
–	AlCuMgPb	–	–	–	–	–	–	–	–	–	3.1645	–
2011	AlCuBiPb	–	FC1	–	–	A-U5PbBi	6362	–	–	–	3.1655	–
6082	AlMgSi 1	–	H30	–	AW-6005 A	A-SGM0.7	3571	–	–	–	3.2315	–
6060	AlMgSi0.5	–	–	–	–	–	–	–	–	–	3.3206	–
6063	AlMgSi0.7	–	H9	–	–	A-GS	3569	–	–	–	3.3206	–
6463	EAlMgSi0.5	–	91E	–	–	–	–	–	–	–	3.3207	–
5005	AlMg 1	–	N41	–	AW-6082	A-G0.6	5764-66	–	–	–	3.3315	–
5050	–	–	–	–	–	–	–	–	–	–	3.3316	–
5052	AlMg2.5	–	2L56	–	–	A-G2.5C	4574	–	–	–	3.3523	–
5754	AlMg 3	–	N5	–	–	A-G3M	3575	–	–	–	3.3535	–
5454	AlMg2.5Mn	–	N51	–	–	A-G2.5MC	7789	–	–	–	3.3537	–
5086	AlMg4Mn	–	–	–	–	–	–	–	–	–	3.3545	–
–	SG-Al Mg 4,5 Mn Zr	–	–	–	–	–	–	–	–	–	3.3546	–
5083	AlMg4,5Mn	–	N8	–	–	A-G4.5MC	7790	–	–	–	3.3547	–
5056	AlMg5	–	N6	–	–	A-G5	3576	–	–	–	3.3549	–
–	AlMg 5	–	–	–	–	–	–	–	–	–	3.3555	–
7050	AlZnMgCu0,5	L 86	–	–	–	AZ 4 GU/9051	811-04	–	–	–	3.4144	–
7020	AlZn4.5Mg1	–	H17	–	–	A-Z5G	–	–	–	–	3.4335	–
7022	AlZnMgCu0.5	–	–	–	–	–	–	–	–	–	3.4345	–
–	AlZn5,5MgCu	–	–	–	–	–	–	–	–	–	3.4365	–
7075	AlZnMgCu 1.5	–	DTD5074	A97075	AL-P7075	A-Z5GU	3735	–	7075	–	3.4365	–
1000	Al99.5H	L31	–	–	–	A59050C	–	–	–	–	3.0250	–
–	Al99.8	–	–	–	–	–	–	–	–	–	3.0280	–
–	AlMg3Mn	–	–	–	–	–	–	–	–	–	–	–
2025	–	–	A 2025 FD	A92025	–	–	–	–	2025	B 247 2025	–	–
1100	–	–	–	–	–	–	–	–	–	–	–	–
3105	–	–	–	–	–	–	–	–	–	–	–	–
5657	AlMg0.8Si	–	–	–	–	–	–	–	–	–	–	–
6070	–	–	–	–	–	–	–	–	–	–	–	–
6262	–	–	–	–	–	–	–	–	–	–	–	–
7003	–	–	–	–	–	–	–	–	–	–	–	–
2050	–	–	–	–	–	–	–	–	–	–	–	–
7475	–	–	–	–	–	–	–	–	–	–	–	–
7175	–	–	–	–	–	–	–	–	–	–	–	–
7178	–	–	–	–	–	–	–	–	–	–	–	–
5251	AlMg2Mo3	–	N4	–	–	A-G2M	3574	–	–	–	–	–
6151	–	–	–	–	–	–	–	–	–	–	–	–
7001	–	–	–	–	–	–	–	–	–	–	–	–
7040	–	–	–	–	–	–	–	–	–	–	–	–

N2 Workpiece Materials Listing • Non-Ferrous Metals • N2

N2 Low-Silicon Aluminium Alloys and Magnesium Alloys *Content: Si <12,2%*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	SG-Al99,8	–	–	–	–	–	–	–	–	–	3.0286	–
–	G-AlCu 4 TiMg	–	–	–	–	–	–	–	–	–	3.1371	–
–	G-AlCu 4 TiMg	–	–	–	–	–	–	–	–	–	3.1371	–
–	G-AlCu 5 Ni 1,5	–	–	–	–	–	–	–	–	–	3.1754	–
–	G-AlCu 4 Ti	–	–	–	–	–	–	–	–	–	3.1841	–
–	G-AlSi 5 Cu 1	–	–	–	–	–	–	–	–	–	3.2131	–
–	G-AlSi 6 Cu 4	–	–	–	–	–	–	–	–	–	3.2151	–
–	G-AlSi 8 Cu 3	–	–	–	–	–	–	–	–	–	3.2161	–
–	G-AlSi 9 Cu 3	–	–	–	–	–	–	–	–	–	3.2163	–
–	G-AlSi 1 1	–	–	–	–	–	–	–	–	–	3.2211	–
–	SG-AlSi 5	–	–	–	–	–	–	–	–	–	3.2245	–
–	SG-AlSi 5	–	–	–	–	–	–	–	–	–	3.2245	–
–	G-AlSi 5 Mg	–	–	–	–	–	–	–	–	–	3.2341	–
4218 B	G-AlSi 7 Mg	–	–	–	–	–	–	–	–	–	3.2371	–
–	G-AlSi 9 Mg	–	–	–	–	–	–	–	–	–	3.2373	–
–	G-AlSi 10 Mg	–	–	–	–	–	–	–	–	–	3.2381	–
–	G-D AlSi 10 Mg	–	–	–	–	–	–	–	–	–	3.2382	–
A 360.2	G-AlSi 10 Mg(Cu)	LM 9	–	–	–	–	–	4253	–	–	3.2383	–
A 413.0	G-D AlSi 12	–	–	–	–	–	–	4247	–	–	3.2582	–
–	SG-AlSi 12	–	–	–	–	–	–	–	–	–	3.2585	–
–	G-D AlSi 12(Cu)	–	–	–	–	–	–	–	–	–	3.2982	–
6061	AlMgSiCu	–	H20	–	–	A-GSUC	6170	–	–	–	3.3211	–
–	G-AlMg 3 Si	–	–	–	–	–	–	–	–	–	3.3241	–
–	G-AlMg 5 Si	–	–	–	–	–	–	–	–	–	3.3261	–
–	G-D AlMg 9	–	–	–	–	–	–	–	–	–	3.3292	–
–	G-AlMg5Si(Cu,Mn)	–	–	–	–	–	–	–	–	–	3.3458	–
–	SG-AlMg 3	–	–	–	–	–	–	–	–	–	3.3536	–

(continued)

N2 Workpiece Materials Listing • Non-Ferrous Metals • N2 *(continued)*

N2 Low-Silicon Aluminium Alloys and Magnesium Alloys *Content: Si <12,2%*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	G-AlMg 3	–	–	–	–	–	–	–	–	–	3.3541	–
–	SG-AlMg 4,5 Mn	–	–	–	–	–	–	–	–	–	3.3548	–
–	SG-AlMg 5	–	–	–	–	–	–	–	–	–	3.3556	–
–	G-AlMg 5	–	–	–	–	–	–	–	–	–	3.3561	–
ZE 41	G-MgZn 4 SE 1 Zr 1	MAG 5	–	–	MCMgZn 4 RE 1 Zr	G-Z 4 TR	–	–	–	–	3.5101	–
–	G-MgZn 5 Th 2 Zr 1	–	–	–	–	–	–	–	–	–	3.5102	–
EZ 33	MgSE 3 Zn 2 Zr 1	MAG 6	–	–	MCMgRE 3 Zn 2 Zr	G-TR 3 Z 2	–	–	–	–	3.5103	–
–	MgAl 9 Zn 1	–	–	–	–	–	–	–	–	–	3.5104	–
–	G-MgTh 3 Zn 2 Zr 1	–	–	–	–	–	–	–	–	–	3.5105	–
QE 22	G-MgAg 3 SE 2 Zr 1	MAG 12	–	–	MCMgRE 2 Ag 2 Zr	G-Ag 22,5	–	–	–	–	3.5106	–
–	G-D MgAl 6 Zn 1	–	–	–	–	–	–	–	–	–	3.5612	–
–	G-D MgAl 6	–	–	–	–	–	–	–	–	–	3.5662	–
AZ 81	G-MgAl 8 Zn 1	MAG 1	–	–	MCMgAl 8 Zn 1	G-A 9	–	–	–	–	3.5812	–
AZ 91	G-MgAl 9 Zn 1	MAG 7	–	–	MCMgAl 9 Zn 1	G-A 9 Z 1	–	–	–	–	3.5912	–
–	G-MgAl 8 Zn 1	–	–	–	–	–	–	–	–	–	3.5200	–
AS 41	G-D MgAl 4 Si 1	–	–	–	MCMgAl4Si	G-A4S 1	–	–	–	–	3.5470	–
–	G-AlZn10Si8Mg	–	–	–	–	–	–	–	–	–	–	–
AS 7 G	AlSi7Mg	–	–	–	–	–	–	–	–	–	–	–
2117	–	–	–	–	–	–	–	–	–	–	–	–
2218	AlCuMgNi2	–	–	–	–	–	–	–	–	–	–	–
2091	–	–	–	–	–	–	–	–	–	–	–	–
8090	–	–	–	–	–	–	–	–	–	–	–	–
2090	–	–	–	–	–	–	–	–	–	–	–	–
2224	–	–	–	–	–	–	–	–	–	–	–	–
2094	–	–	–	–	–	–	–	–	–	–	–	–
2095	–	–	–	–	–	–	–	–	–	–	–	–
2097	–	–	–	–	–	–	–	–	–	–	–	–
2098	–	–	–	–	–	–	–	–	–	–	–	–
2099	–	–	–	–	–	–	–	–	–	–	–	–
2195	–	–	–	–	–	–	–	–	–	–	–	–
2196	–	–	–	–	–	–	–	–	–	–	–	–
2197	–	–	–	–	–	–	–	–	–	–	–	–
2198	–	–	–	–	–	–	–	–	–	–	–	–
2297	–	–	–	–	–	–	–	–	–	–	–	–
2397	–	–	–	–	–	–	–	–	–	–	–	–
8017	–	–	–	–	–	–	–	–	–	–	–	–
8024	–	–	–	–	–	–	–	–	–	–	–	–
8091	–	–	–	–	–	–	–	–	–	–	–	–
8093	–	–	–	–	–	–	–	–	–	–	–	–
2199	–	–	–	–	–	–	–	–	–	–	–	–

N3 Workpiece Materials Listing • Non-Ferrous Metals • N3

N3 High-Silicon Aluminium Alloys and Magnesium Alloys *Content: Si >12,2%*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
A 413.1	G-AlSi 12(Cu)	LM 20	–	–	–	–	–	4260	–	–	3.2583	–
A 413.2	G-AlSi 12	LM 6	–	–	–	–	–	4261	–	–	3.2581	–
–	G-AlSi17Cu4Mg	–	–	–	–	–	–	–	–	–	–	–
–	GK-AlSi18CuNiMg	–	–	–	–	–	–	–	–	–	–	–
–	GK-AlSi21CuNiMg	–	–	–	–	–	–	–	–	–	–	–
–	GK-AlSi12CuNiMg	–	–	–	–	–	–	–	–	–	–	–
–	GK-AlSi25CuNiMg	–	–	–	–	–	–	–	–	–	–	–
–	G-AlSi 21 CuNiMg	–	–	–	–	–	–	–	–	–	–	–
4032	–	–	–	–	–	–	–	–	–	–	–	–

N4 Workpiece Materials Listing • Non-Ferrous Metals • N4

N4 Copper-, Brass-, Zinc-Based on Machinability Index Range of 70–100

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
C 11000	E-Cu 58	C 101	–	–	–	Cn-a2	–	–	–	–	2.0065	–
C 81100	G-CuL 45	HCC 1	–	–	–	–	–	–	–	–	2.0082	–
C 81100	G-Cu L 50	HCC 1	–	–	–	–	–	–	–	–	2.0085	–
–	CuZn 40 MnPb	–	–	–	–	–	–	–	–	–	2.0241	–
C 26000	CuZn 30	CZ 102	C 2600	–	–	CuZn 30	–	–	–	–	2.0265	–
C 27200	CuZn 37	CZ 108	–	–	–	CuZn 37	C 2720	–	–	–	2.0321	–
–	CuZn 36 Pb 1.5	–	–	–	–	–	–	–	–	–	2.0331	–
–	S-CuZn40	–	–	–	–	–	–	–	–	–	2.0366	–
–	CuZn 39 Pb 3 + D567	–	–	–	–	–	–	–	–	–	2.0401	–
–	CuZn 40 Pb 2	–	–	–	–	–	–	–	–	–	2.0402	–
B-198	G-CuZn 15Si 4	–	–	–	–	–	–	–	–	–	2.0492	–
–	CuZn 40Al 1	–	–	–	–	–	–	–	–	–	2.0561	–
–	G-KCuZn 38 Al	–	–	–	–	–	–	–	–	–	2.0591	–
C 86500	G-CuZn 35 Al 1	HTB 1	–	–	–	U-Z 36 N 3	–	–	–	–	2.0592	–
–	G-KCuZn 37 Al 1	–	–	–	–	–	–	–	–	–	2.0595	–
C 86200	G-CuZn 34 Al 2	HTB 1	–	–	–	U-Z 36 N 3	–	–	–	–	2.0596	–
–	G-CuZn 25 Al 5	–	–	–	–	–	–	–	–	–	2.0598	–
–	S - CuNi 30 Fe	–	–	–	–	–	–	–	–	–	2.0837	–
–	CuNi 10 Fe 1 Mn	–	–	–	–	–	–	–	–	–	2.0872	–

NOTE: For legend, see page Y217.

(continued)

N4 Workpiece Materials Listing • Non-Ferrous Metals • N4 *(continued)*

N4 Copper-, Brass-, Zinc-Based on Machinability Index Range of 70–100

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	S - CuNi 10 Fe	–	–	–	–	–	–	–	–	–	2.0873	–
–	CuNi 30 Mn 1 Fe	–	–	–	–	–	–	–	–	–	2.0882	–
–	SG-Cu Al 8	–	–	–	–	–	–	–	–	–	2.0921	–
–	SG-CuAl 8 Ni 2	–	–	–	–	–	–	–	–	–	2.0922	–
–	SG-CuAl 9 Ni5 Fe	–	–	–	–	–	–	–	–	–	2.0927	–
–	CuAl 10 Fe 3 Mn 2	CA 103	–	–	–	U-A 10 Fe	–	–	–	–	2.0936	–
–	SG-Cu Al 10 Fe	–	–	–	–	–	–	–	–	–	2.0937	–
C 63000	CuAl 10 Ni 5 Fe 4	Ca 104	–	–	–	U-A 10 N	–	–	–	–	2.0966	–
B-148-52	G-CuAl 10 Ni	–	–	–	–	–	–	–	–	–	2.0975	–
–	SG-Cu Sn	–	–	–	–	–	–	–	–	–	2.1006	–
–	SG-Cu Sn 6	–	–	–	–	–	–	–	–	–	2.1022	–
C 90800	G-CuSn 12	Pb 2	–	–	–	UE 12 P	–	–	–	–	2.1052	–
–	G-CuSn 12 Pb	–	–	–	–	–	–	–	–	–	2.1061	–
–	G-CuSn 10 Zn	–	–	–	–	–	–	–	–	–	2.1086	–
C 93200	G-CuSn 7 ZnPb	–	–	–	–	U-E 7 Z 5 Pb 4	–	–	–	–	2.1091	–
–	G-CuSn 6 ZnNi	LG 4	–	–	–	–	–	–	–	–	2.1093	–
C 83600	G-CuSn 5 ZnPb	LG 2	–	–	–	U-E 5 Pb 5 Z 5	–	–	–	–	2.1096	–
–	G-CuSn 2 ZnPb	–	–	–	–	–	–	–	–	–	2.1098	–
C 93700	G-CuPb 10 Sn	LB 2	–	–	–	U-E 10 Pb 10	–	–	–	–	2.1176	–
C 93800	G-CuPb 15 Sn	LB 1	–	–	–	U-Pb 15 E 8	–	–	–	–	2.1182	–
C 94100	G-CuPb 20 Sn	LB 5	–	–	–	U-Pb 20	–	–	–	–	2.1188	–
C 81500	G-CuCrF 35	CC1-FF	–	–	–	–	–	–	–	–	2.1292	–
C 18200	CuCrZr	CC 102	–	–	–	U-Cr 0,8 Zr	–	–	–	–	2.1293	–
–	SG-Cu Mn 13 Al 7	–	–	–	–	–	–	–	–	–	2.1367	–
–	SG-Cu Si 3	–	–	–	–	–	–	–	–	–	2.1461	–
CuSi 3 Mn	–	–	–	–	–	–	–	–	–	–	2.1525	–
–	OF-Cu	–	–	–	–	–	–	–	–	–	2.0040	–
B-120	E-Cu 57	–	–	–	–	–	–	–	–	–	2.0060	–
C 10300	SE-Cu	C 101	–	–	–	Cu-c1	–	–	–	–	2.0070	–
–	CuZn 5	–	–	–	–	–	–	–	–	–	2.0220	–
C 23000	CuZn 15	CZ 102	C 2300	–	–	CuZn 15	–	–	–	–	2.0240	–
–	G-CuZn 33 Pb	–	–	–	–	–	–	–	–	–	2.0290	–
–	CuZn 36 Pb 2	–	–	–	–	–	–	–	–	–	2.0330	–
–	G-CuZn 37 Pb	–	–	–	–	–	–	–	–	–	2.0340	–
–	CuZn 40	–	–	–	–	–	–	–	–	–	2.0360	–
–	CuZn 39 Pb 2	–	–	–	–	–	–	–	–	–	2.0380	–
–	CuZn 20 Al 2	–	–	–	–	–	–	–	–	–	2.0460	–
–	CuZn 37Al 1	–	–	–	–	–	–	–	–	–	2.0510	–
–	CuZn 40 Al 2	–	–	–	–	–	–	–	–	–	2.0550	–
–	G-CuZn 40 Fe	–	–	–	–	–	–	–	–	–	2.0590	–
–	G-CuAl 10 Fe	–	–	–	–	–	–	–	–	–	2.0940	–
C 90700	G-CuSn 10	CT 1	–	–	–	–	–	–	–	–	2.1050	–
C 91700	G-CuSn 12 Ni	–	–	–	–	–	–	–	–	–	2.1060	–
–	C35100	–	–	–	–	–	–	–	–	–	–	–
–	17665	–	–	C95500	–	–	–	–	–	–	–	–
–	MS60	–	–	–	–	–	–	–	–	–	–	–

N5 Workpiece Materials Listing • Non-Ferrous Metals • N5

N5 Nylon, Plastics, Rubbers, Phenolics, Resins, Fibreglass

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	LEXAN	–	–	–	–	–	–	–	–	–	–	–
–	HOSTALEN	–	–	–	–	–	–	–	–	–	–	–
–	Polystyrol	–	–	–	–	–	–	–	–	–	–	–
–	Makralon	–	–	–	–	–	–	–	–	–	–	–

N6 Workpiece Materials Listing • Non-Ferrous Metals • N6

N6 Carbon, Graphite Composites, CFRP

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	GFK	–	–	–	–	–	–	–	–	–	–	–
–	CFK	–	–	–	–	–	–	–	–	–	–	–
Graphite	–	–	–	–	–	–	–	–	–	–	–	–
CFRP	–	–	–	–	–	–	–	–	–	–	–	–

S1 Workpiece Materials Listing • High-Temp Alloys • S1

S1 Iron-Based, Heat-Resistant Alloys *Tensile Strength RM (MPa)*: 500–1200* *Hardness (HB): 160–260 (HRC): 25–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	X 10 Cr 25	–	–	–	–	–	–	–	–	–	1.3811	–
–	D 1 a	–	–	–	–	–	–	–	–	–	1.3915	–
–	D 3	BD 3	–	–	X 210 Cr 1 2	Z 200 C 12	X 205 Cr 12 KU	–	–	–	1.3916	–
–	RNi 12	–	–	–	–	–	–	–	–	–	1.3926	–
–	RNi 8	–	–	–	–	–	–	–	–	–	1.3927	–
–	GX 2 NiCoMoTi1 7 10	–	–	–	–	–	–	–	–	–	1.6351	Maraging
6501, 6512, 6520	X 2 NiCoMo 18 8 5	–	–	UNS K92890	S162	Z2NKD18.8	–	–	–	ASTM A646	1.6359	ATI VascoMax® C-250
–	X 2 NiCoMo 18-8-5	–	–	K92890	–	–	–	–	–	–	1.6359	Maraging
–	X 1 CrNiCoMo 13 8 5	–	–	–	–	–	–	–	–	–	–	Maraging
–	Ni 36	–	–	–	–	–	–	–	–	–	1.3910	Magnifer 36
–	Ni 46	–	–	–	–	–	–	–	–	–	1.3920	–
–	X 2 CrNiCoMo 12 8 5	–	–	–	–	–	–	–	–	–	1.6980	Maraging
ASTM B463	–	–	–	UNS N08020	–	–	–	–	–	ASTM B463	2.4660	20CB-3
ASTM A666	–	–	–	–	–	–	–	–	–	ASTM A666	–	6/21/09
ASTM B753	–	–	–	–	–	–	–	–	–	ASTM B753	–	AL 4750
S66286	–	–	NAS 660	UNS S66286	–	–	A-286	–	–	–	–	ATI A286™
–	–	–	–	UNS K92810	–	–	–	–	–	–	–	ATI VascoMax® C-200
6514	–	–	–	UNS K93120	–	–	–	–	–	–	–	ATI VascoMax® C-300
–	–	–	–	–	–	–	–	–	–	–	–	ATI VascoMax® C-350
–	–	–	–	–	–	–	–	–	–	–	–	ATI VascoMax® T-200
6518, 6519, 6591	–	–	–	–	–	–	–	–	–	–	–	ATI VascoMax® T-250
–	–	–	–	–	–	–	–	–	–	–	–	ATI VascoMax® T-300
5725	–	–	–	–	–	Z3NCT25	–	–	SAE 16-25-6	–	–	Discaloy 16-25-6
ASTM A638	–	–	–	–	–	Z3NCT25	–	–	Discaloy	ASTM A638	–	Discaloy 24
–	–	–	–	R30556	–	–	–	–	–	–	–	Haynes® 556
5768	X 12 CrCoNi 21 20	–	–	–	–	Z12CKNDWNb21.20.20	–	–	–	–	–	Haynes 556
ASTM F30	–	–	–	–	–	–	–	–	Invar	ASTM F30	–	Invar 42
5768	–	–	–	UNS R30155	–	Z12CNKDW20	–	–	–	–	–	Multimet N-155
–	–	–	–	–	–	–	–	–	–	–	–	Multimet N-156
5533	X 40 CoCrNi 20 20	–	–	–	–	Z42CKNDW	–	–	–	–	–	S 590
–	X 2 NiCrAlTi 32 20	–	–	–	–	–	–	–	–	–	–	Sanicro 30
AISI:665	–	–	–	–	–	Z8NCTDA2613	–	–	–	–	–	W-545

S2 Workpiece Materials Listing • High-Temp Alloys • S2

S2 Cobalt-Based, Heat-Resistant Alloys *Tensile Strength RM (MPa)*: 1000–1450* *Hardness (HB): 250–450 (HRC): 25–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	CoCr 26 Ni 9 Mo	–	–	–	–	–	–	–	–	–	2.4681	–
–	CoCr 25 NiW	–	–	–	–	KC25WN	–	–	–	ASTM A567	2.4682	Stellite® 31 (X40)
–	CoCr 22 NiW	–	–	–	–	–	–	–	–	–	2.4683	–
–	CoCr 28 Mo	–	–	–	–	KC27D5NFe	–	–	–	ASTM F-75	2.4691	HS 21
–	CoCr 20 Ni 15 Mo	–	–	–	–	–	–	–	–	–	2.4711	–
–	CoCr 29 Mo	–	–	–	–	–	–	–	–	–	2.4723	–
–	CoCr 33 W	–	–	–	–	–	–	–	–	–	2.4775	–
–	CoCr 28	–	–	–	–	–	–	–	–	–	2.4778	–
–	CoCr 28 Nb	–	–	–	–	–	–	–	–	–	2.4779	–
–	–	–	–	–	–	–	–	–	–	ASTM F90	2.4964	F 90
–	–	–	–	R30605	–	KC20WN	–	–	–	–	2.4964	Haynes 25
–	CoCr 20 W 15 Ni	HR 240	–	R30605	–	KC20WN	–	–	–	5759	2.4964	L 605
–	CoCr 20 W 15 Ni	–	–	CAST Version of L605	–	KC20WN	–	–	–	5759	2.4964	Stellite 25
AMS 5399	NiCr 19 Co 11 MoTi	–	–	–	–	NC 19 KDT	–	–	–	–	2.4973	–
–	CoCr 20 Ni 20 W	–	–	–	–	–	–	–	–	5534	2.4979	S 816
–	CoCr20NiW	–	–	–	–	–	–	–	–	–	2.4989	–
–	–	–	–	R31537 & R31538	–	CoCr28Mo	–	–	–	ASTM F1537	–	F 1537
–	–	–	–	–	–	–	–	–	–	ASTM F562	–	F 562
–	–	–	–	–	–	–	–	–	–	ASTM F563	–	F 563
–	–	–	–	R30188	–	KC22N22W14Fe	–	–	–	–	–	Haynes 188
AISI 670	CoCr 20 W 15 Ni	–	–	–	–	KC20WN	–	–	–	–	–	HS 25
–	CoCr 26 Ni 14 Mo	–	–	–	–	–	–	–	–	5380	–	HS 30
–	CoCr 19 W 14 NiB	–	–	–	–	–	–	–	–	–	–	HS 36
–	–	–	–	–	–	–	–	–	–	–	–	L 251
–	CoCrW 10 TaZrB	–	–	–	–	KC21W10Ta9	–	–	–	–	–	MAR-M 302
–	CoCr 22 W 9 TaZrNb	–	–	–	–	KC21W9Ta	–	–	–	–	–	MAR-M 322
–	CoCr 24 Ni 10 WTaZrB	–	–	–	–	KC23N10W7Ta	–	–	–	–	–	MAR-M 509
–	–	–	–	–	–	KC20N20Ta7	–	–	–	–	–	MAR-M 905
–	CoCr 20 Ni 20 Ta	–	–	–	–	KC20N20Ta7	–	–	–	–	–	MAR-M 918
–	–	–	–	R30159	–	–	–	–	–	–	–	MP159
–	–	–	–	R30035	–	–	–	–	–	–	–	MP35N
–	–	–	–	–	–	KC33W13	–	–	–	–	–	Stellite 1
–	–	–	–	–	–	KC28W8	–	–	–	–	–	Stellite 12
–	–	–	–	–	–	KC22N22W14Fe	–	–	–	–	–	Stellite 188
–	–	–	–	–	–	KC26NW	–	–	–	–	–	Stellite 6
–	–	–	–	–	–	–	–	–	–	–	–	Stellite 8 (F75)
–	CoCr 25 Ni 20 MoWNb	–	–	–	–	KC25N20DFeWNb	–	–	–	–	–	V-36
–	CoCr 21 Mo 11 W	–	–	–	–	KC21W11ANbT	–	–	–	–	–	WI-52
–	–	–	–	–	–	KC25N10W7Fe	–	–	–	–	–	X 45
–	–	–	–	–	–	–	–	–	J-1570	–	–	–
–	K13C20N126Fe15D7	–	–	R3003 & R3008	–	K13C20N126Fe15D7	–	–	–	ASTM F1058	–	–

NOTE: For legend, see page Y217.

S3 Workpiece Materials Listing • High-Temp Alloys • S3

S3 Nickel-Based, Heat-Resistant Alloys *Tensile Strength RM (MPa)*: 600–1700* *Hardness (HB): 160–450 (HRC): <48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	X 7 NiCrCoMo 54 20	–	–	–	–	–	–	–	–	–	1.2789	–
–	Ni 99,7 Mg 0,07	–	–	J24053	–	–	–	–	–	A 915 J24053	2.4053	–
–	LC-Ni 99,6	–	–	N02201	–	–	–	–	–	–	2.4061	–
–	–	–	–	N02200	–	–	–	–	–	–	2.4066	200
Nickel 200	Ni 99,2	NA 11	–	N02200	–	–	–	–	–	–	2.4066	–
–	–	–	–	N02201	–	–	–	–	–	–	2.4068	201
Nickel 201	LC-Ni 99	NA 12	–	–	–	–	–	–	–	–	2.4068	–
–	NiMn 1	–	–	–	–	–	–	–	–	–	2.4106	–
–	NiMn 1 C	–	–	–	–	–	–	–	–	–	2.4108	–
–	NiMn 1,5	–	–	–	–	–	–	–	–	–	2.4109	–
–	NiMn 3 Al	–	–	–	–	–	–	–	–	–	2.4122	–
–	NiMn 3 SiMg	–	–	–	–	–	–	–	–	–	2.4126	–
–	NiCr 2 Mn	–	–	–	–	–	–	–	–	–	2.4145	–
–	NiCr 2 MnSi	–	–	–	–	–	–	–	–	–	2.4146	–
–	NiCr 5 MnSi	–	–	–	–	–	–	–	–	–	2.4151	–
–	SG-NiTi 4	NA32	–	–	NA 32	–	–	–	–	–	2.4155	–
CZ-100	G-Ni 93 C	–	–	–	–	–	–	–	–	–	2.4175	–
–	NiCr 4 Mn	–	–	–	–	–	–	–	–	–	2.4199	–
M 35-1/2	G-NiCu 30 Nb	–	–	N24030	–	–	–	–	–	–	2.4365	–
–	EL-NiCu 30 Mn	–	–	N04402	–	–	–	–	–	–	2.4366	–
M 30-H	G-NiCu 30 Si 3	–	–	–	–	–	–	–	–	–	2.4367	–
M-255	G-NiCu 30 Si 4	–	–	–	–	–	–	–	–	–	2.4368	–
–	NiCu 30 Al	–	–	–	–	–	–	–	–	–	2.4374	–
–	NiCu 30 Al	NA 18	–	N05500	3072.76	NU 30 AT	–	–	–	–	2.4375	Monel® K500
–	SG-NiCu 30 MnTi	NA 33	–	–	–	–	–	–	–	–	2.4377	–
–	NiFe 16 CuCr	–	–	–	–	–	–	–	–	–	2.4501	–
–	G-NiMo 16 CrW	–	–	–	–	–	–	–	–	–	2.4537	–
–	NiCr 21 Mo 14 W	–	–	N26022	–	–	–	–	–	–	2.4602	INCONEL® alloy 622
–	NiCr 30 FeMo	–	–	–	–	–	–	–	–	–	2.4603	Hastelloy® G-30
–	–	–	–	N06059	–	–	–	–	–	ASTM B575	2.4605	Allcorr
–	NiCr 23 Mo 16 Al	–	–	–	–	–	–	–	–	–	2.4605	–
–	SG/UP-NiCr 23 Mo 16	–	–	–	–	–	–	–	–	–	2.4607	–
–	NiCr 26 MoW	–	–	–	–	–	–	–	–	–	2.4608	–
–	SG-NiMo 27	–	–	–	–	–	–	–	–	–	2.4615	–
–	NiMo 28	–	–	N10665	–	NiMo 28	–	–	–	–	2.4617	–
–	NiCr 22 Mo 6 Cu	–	–	–	–	–	–	–	–	–	2.4618	–
–	–	–	–	N06985	–	–	–	–	–	–	2.4619	Hastelloy G-3
–	NiCr 22 Mo 7 Cu	–	–	N06985	–	–	–	–	–	–	2.4619	–
–	SG-NiCr 23 Al	NA 49	–	–	–	–	–	–	–	–	2.4626	–
–	SG-NiCr 22 Co 12 Mo	NA 50	–	–	–	–	–	–	–	–	2.4627	–
–	NiCr 20 Ti	HR5	–	N06075	HR5, 203.4	NC 20 T	–	–	–	–	2.4630	Nimonic® 75
–	NiCr 20 TiAl	NA 20	NCF 80A	N07080	HR401, 601	NC 20 TA	–	–	–	–	2.4631	Nimonic 80A
–	NiCr 20 Co 18 Ti	NA 36	–	N07090	HR2, 202	NC20KTA	–	–	–	–	2.4632	Nimonic 90
–	NiCo 20 Cr 15 MoAlTi	–	–	N13021	HR3	NCKD20ATV	–	–	–	–	2.4634	Nimonic 105
–	NiCo 15 Cr 15 MoAlTi	HR4	–	–	HR401, 601	NCVK15ATD	–	–	–	–	2.4636	Nimonic 115
AISI 687	NiCo 15 Cr 15 MoAlTi	–	–	–	–	NCKD20AT	–	–	–	–	2.4636	Udimet® 700
–	NiCr 22 Mo 8 AlCuTi	–	–	–	–	–	–	–	–	–	2.4637	–
–	SG-NiCr 20	NA 34	–	–	–	–	–	–	–	–	2.4639	–
–	NiCr 21 Mo 6 Cu	–	NCF 600 TP	–	–	–	–	–	–	–	2.4641	–
–	NiCr 29 Fe	–	NCF 690	N06690	–	NC 30 Fe	–	–	–	–	2.4642	INCONEL® alloy 690
–	NiCr 25 FeAlYC	–	–	–	–	–	–	–	–	–	2.4647	–
–	NiCr 20 CoMoTi	NA 38	NCF 690	N07263	HR10	NCK 20 D	–	–	–	–	2.4650	Nimonic C263
–	EL-NiCr 26 Mo	–	–	–	–	–	–	–	–	–	2.4652	–
–	NiCr 19 Co 14 Mo 4 Ti	–	–	N07001	–	NC20K14Y	–	–	–	–	2.4654	Waspaloy
–	SG-NiCr 29 Mo	–	–	–	–	–	–	–	–	–	2.4656	–
–	NiCr 70 30	–	–	N06008	–	–	–	–	–	–	2.4658	–
–	SG-NiCr 30 Mo 5 W	–	–	–	–	–	–	–	–	–	2.4659	–
–	EL-NiCr 29 Mo 5 W	–	–	–	–	–	–	–	–	–	2.4661	–
–	NiFe 35 Cr 14 MoTi	–	–	N09901	–	Z8NCDT42	–	–	–	–	2.4662	INCOLOY® 901
–	NiCr 13 Mo 6 Ti 3	–	–	N09901	–	Z8NCDT42	–	–	–	–	2.4662	Nimonic 901
–	NiCr 23 Co 12 Mo	–	–	N06617	–	NC22K12D9A	–	–	–	–	2.4663	INCONEL® alloy 617
–	NiCr 22 FeMo	–	–	N06002	HR6, 204	NC22FeD	–	–	–	–	2.4665	Hastelloy X
–	NiCr 22 Fe 18 Mo	NA 40	–	N06002	–	NC22FeD	–	–	–	–	2.4665	INCONEL alloy HX
–	NiCr 18 CoMo	–	–	–	–	NKCD20ATU	–	–	–	–	2.4666	Nimonic PK25
–	SG-NiCr 19 NbMoTi	NA 51	–	–	–	–	–	–	–	–	2.4667	–
–	NiCr 19 FeNbMo	–	–	N07718	HR8	NC 19 Fe Nb	–	–	–	–	2.4668	INCONEL alloy 718
–	NiCr 15 Fe 7 TiAl	–	–	N07750	–	NC 15 Fe 7 TA	–	–	–	–	2.4669	INCONEL alloy X750
–	G-NiCr 12 Al 6 MoNb	–	–	–	–	–	–	–	–	–	2.4671	–
–	G-NiCr 20 Co 20 MoTi	–	–	–	–	–	–	–	–	–	2.4672	–
–	NiCo 15 Cr 10 MoAlTi	–	–	N13100	–	NK15CAT	–	–	–	–	2.4674	IN 100
–	NiCo 15 Cr 10 MoAlTi	–	–	–	–	NK15C10A5T	–	–	–	–	2.4674	René 100
–	G-NiCo 15 Cr 10 AlTiMo	–	–	–	–	–	–	–	–	–	2.4674	–
–	G-NiCo 10 W 10 CrAlNb	–	–	–	–	–	–	–	–	–	2.4676	–
–	G-NiCr 50	–	–	–	–	–	–	–	–	–	2.4678	–
–	G-NiCr 35	–	–	–	–	–	–	–	–	–	2.4679	–
–	–	–	–	N10665	–	–	–	–	–	N7M	2.4685	Hastelloy B-2
CW-12 MW	G-NiMo 17 CrW	–	–	–	–	–	–	–	–	–	2.4686	–
–	NiCr 25 Mo 7 Ti	–	–	–	–	–	–	–	–	–	2.4693	–
–	NiCr 16 Fe 7 TiAl	–	–	N 07751	–	–	–	–	–	–	2.4694	INCONEL alloy 751
–	G-NiCr 20 Mo 15	–	–	–	–	–	–	–	–	–	2.4697	–
–	NiCr 22 W 14 Mo	–	–	–	–	–	–	–	–	–	2.4733	–
–	NiCr 20 AlY	–	–	–	–	–	–	–	–	–	2.4764	–
–	NiCr 17 AlWY	–	–	–	–	–	–	–	–	–	2.4765	–
–	SG-NiCr 20 Nb	NA 35	–	–	–	–	–	–	–	–	2.4806	–
–	G-NiCr 50 Nb	–	–	–	–	–	–	–	–	–	2.4813	–
–	NiCr 15 Fe	NA 14	NCF 600	N06600	3072.76	NC 15 Fe	–	–	–	–	2.4816	INCONEL alloy 600
–	G-NiMo 30	–	–	N10276	–	NC 15 D 14 KFe	–	–	–	–	2.4819	Hastelloy C-276
ASME SB575	NiMo 16 Cr 15 W	–	–	N10276	–	NC 17 D	–	–	–	–	2.4819	Nimonic C276

(continued)

S3 Workpiece Materials Listing • High-Temp Alloys • S3 *(continued)*

S3 Nickel-Based, Heat-Resistant Alloys *Tensile Strength RM (MPa)*: 600–1700* *Hardness (HB): 160–450 (HRC): <48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	SG-NiCr 21 Mo 9 Nb	–	–	–	–	–	–	–	–	–	2.4831	–
–	NiCr 20 Mo 15	–	–	–	–	–	–	–	–	–	2.4836	–
–	SG-NiCr 20 Mo 15	–	–	–	–	–	–	–	–	–	2.4839	–
–	–	–	–	N06601	–	–	–	–	–	–	2.4851	Haynes® 601
–	NiCr 23 Fe	–	NCF 601	N06601	–	NC 23 Fe 14 A	–	–	–	–	2.4851	INCONEL alloy 601
–	NiFe 33 Cr 25 Co	–	–	–	–	–	–	–	–	–	2.4854	–
–	NiCr 19 Mo 9 Si	–	–	–	–	–	–	–	–	–	2.4855	–
ASME SB443	NiCr 22 Mo 9 Nb	–	–	N06625	–	NC 22 Fe DNb	–	–	–	–	2.4856	Haynes 625
ASME SB443.4	NiCr 22 Mo 9 Nb	NA 21	NCF 625	N06625	–	NC 22 Fe DNb	–	–	–	–	2.4856	INCONEL alloy 625
ASME SB163	NiCr 21 Mo	–	–	N08825	3072.76	NC21FeDU	–	–	–	–	2.4858	INCOLOY® 825
–	NiCr 60 15	–	–	–	–	–	–	–	–	–	2.4867	–
–	NiCr 80 20	–	–	–	–	–	–	–	–	–	2.4869	–
–	NiCr 20 AlSi	–	–	–	–	–	–	–	–	–	2.4872	–
–	G-NiCr 28 W	–	–	–	–	–	–	–	–	–	2.4879	Centralloy® 4879
–	NiCr 17 Mo 17 FeW	–	–	N10002	–	NC17DWY	–	–	–	CW12MW	2.4883	Hastelloy C
–	G-NiMo 16 Cr	–	–	–	–	–	–	–	–	–	2.4883	–
–	SG-NiMo 16 cr 16 W	NA 48	–	–	–	–	–	–	–	–	2.4886	–
–	G-NiCr 13 MoAl	–	–	–	–	–	–	–	–	–	2.4888	–
–	NiCr 20 Ti	HR 5	–	N06621	–	NC 20 T	–	–	–	–	2.4951	–
–	NiCr 20 TiAl	NA 20	NCF 80 A	N07080	–	NC 20 TA	–	–	–	–	2.4952	–
–	NiFe 25 Cr 20 NbTi	–	–	–	NiFe 25 Cr 20 NbTi	–	–	–	–	–	2.4955	–
–	NiCr 20 Co 18 Ti	NA 19	–	N07090	–	–	–	–	–	–	2.4969	–
–	NiCr 22 W 12 Fe	–	–	–	–	–	–	–	–	–	2.4972	–
–	NiCr 19 Co 11 MoTi	–	–	N07041	–	NC19KDT	–	–	–	–	2.4973	René 41
–	NiFeCr 12 Mo	–	–	–	–	–	–	–	–	–	2.4975	–
–	NiCr 20 Mo	–	–	–	–	–	–	–	–	–	2.4976	–
–	NiCr 20 CoMo	–	–	–	–	–	–	–	–	–	2.4982	–
–	NiCr 18 Co	–	–	N07500	–	–	–	–	–	–	2.4983	Co500
AISI 684	NiCr 18 CoMoAlTi	–	–	N07500	–	NCK19DAT	–	–	–	–	2.4983	Udimet® 500
–	Ni 99,6	NA 46	–	–	–	–	–	–	–	–	2.4060	–
–	NiMn 2	–	–	–	–	–	–	–	–	–	2.4110	–
SZ-100	G-Ni 95	–	–	–	–	–	–	–	–	–	2.4170	–
–	G-Ni 93 Si	–	–	–	–	–	–	–	–	–	2.4180	–
–	NiCu 30 Fe	–	–	N04400	3072.76	NU30	–	–	–	–	2.4360	Monel® 400
–	NiCu 30 Ti	–	–	–	–	–	–	–	–	–	2.4370	Monel 60
–	NiFe 44	–	–	–	–	–	–	–	–	–	2.4420	Magnifer 53
–	NiFe 16 CuMo	–	–	–	–	–	–	–	–	–	2.4530	Perm 77
–	NiFeK 6040	–	–	–	–	–	–	–	–	–	2.4560	–
–	NiMo 16 Cr 16 Ti	NA 45	–	N26455	–	–	–	–	–	–	2.4610	Hastelloy C-4
–	–	–	–	–	–	20CB-3	–	–	–	ASTM B463	2.4660	INCOLOY 020
–	NiCr 20 CuMo	–	–	N08020	–	–	–	–	–	–	2.4660	–
–	G-NiCr 13 Al 16 MoNb	–	–	–	HC203	NC13AD	–	–	–	–	2.4670	Nimocast 713
–	G-NiCr 50 Nb	–	–	–	–	–	–	–	–	–	2.4680	–
–	NiMo 23 Cr 8 Fe	–	–	–	–	–	–	–	–	–	2.4710	–
–	NiMo 30	–	–	–	–	ND27FeV	–	–	–	N-12 MV	2.4810	Hastelloy B
–	NiCr 45 23	–	–	–	–	–	–	–	–	–	2.4890	–
–	–	–	–	N13017	–	NK17C15D5AT	–	–	–	–	–	Astroloy
–	–	–	–	–	–	–	–	–	–	–	–	Centralloy® 60HTD
AISI 686	–	–	–	–	–	NC15Fe10D5AT	–	–	–	–	–	GMR 235
–	NiCr 16 MoAl	–	–	–	–	NC15D5FeAT	–	–	–	–	–	GMR 235-D
–	–	–	–	–	–	–	–	–	–	CW6M	–	Hastelloy C-22
–	–	–	–	N06007	–	NC22Fe19D6KTa	–	–	–	–	–	Hastelloy G
–	–	–	–	N10003	–	–	–	–	–	–	–	Hastelloy N
–	–	–	–	N06635	–	NC15D14KFe	–	–	–	–	–	Hastelloy S
–	–	–	–	N10004	–	–	–	–	–	–	–	Hastelloy W
–	–	–	–	N07263	–	NC20K20D6T	–	–	–	–	–	Haynes® 263
–	–	–	–	–	–	–	–	–	–	–	–	Haynes 282
–	NiCr 15 Fe	–	–	N06600	–	–	–	–	–	–	–	Haynes 600
–	–	–	–	–	–	–	–	–	–	–	–	Haynes 75
–	NiCo 32 Cr 26 Mo	–	–	–	–	–	–	–	–	–	–	HS27
–	–	–	–	N06102	–	–	–	–	–	–	–	IN 102
ASME SB409	X 10 NiCrAlTi 32-20	–	–	N08800	3082.76	Z10NC3221	–	–	–	–	–	INCOLOY 800
–	–	–	–	–	–	Z4NC3221	–	–	–	–	–	INCOLOY 802
–	–	–	–	–	–	NC29Fe25	–	–	–	–	–	INCOLOY 804
–	NiFe 42 K 15 Nb	–	–	N19903	–	Z3NK28	–	–	–	–	–	INCOLOY 903
–	–	–	–	N19907	–	–	–	–	–	–	–	INCOLOY 907
–	–	–	–	N09925	–	–	–	–	–	–	–	INCOLOY 925
–	–	–	–	N09945	–	–	–	–	–	–	–	INCOLOY 945
ASME SB575	–	–	–	–	–	NiMo16Cr15	–	–	–	–	–	INCONEL alloy 22
–	–	–	–	–	–	–	–	–	–	–	–	INCONEL alloy 230
–	–	–	–	–	–	–	–	–	–	–	–	INCONEL alloy 600SP
–	–	–	–	–	–	–	–	–	–	–	–	INCONEL alloy 62
–	–	–	–	N06626	–	–	–	–	–	–	–	INCONEL alloy 625LCF
–	–	–	–	–	–	NC15A	–	–	–	–	–	INCONEL alloy 702
–	–	–	–	N09706	–	NFe10C16NbT	–	–	–	–	–	INCONEL alloy 706
–	–	–	–	N07718	–	–	–	–	–	–	–	INCONEL alloy 718 OP
–	–	–	–	–	–	NC16Fe8TM	–	–	–	–	–	INCONEL alloy 721
–	NiCr 16 FeTi	–	–	N07722	–	NC16FeTi	–	–	–	–	–	INCONEL alloy 722
–	–	–	–	R30783	–	–	–	–	–	–	–	INCONEL alloy 783
–	–	–	–	N09925	–	–	–	–	–	B983 N09925	–	INCONEL alloy 925
–	–	–	–	N10276	–	–	–	–	–	–	–	INCONEL alloy C-276
–	–	–	–	N07754	–	–	–	–	–	–	–	INCONEL alloy MA754
–	–	–	–	N07751	–	–	–	–	–	–	–	INCONEL alloy X751
–	–	–	–	K93600 K93603	–	–	–	–	–	ASTM F1684	–	INVAR® 36
–	NiCr 20 Co 18 Ti	–	–	–	–	–	–	–	–	–	–	Jessop G81
–	G-NiCr 19 Co	–	–	N07252	–	–	–	–	–	–	–	M 252
–	–	–	–	N04405	–	–	–	–	–	–	–	Monel® R405

NOTE: For legend, see page Y217.

(continued)

S3 Workpiece Materials Listing • High-Temp Alloys • S3 *(continued)*

S3 Nickel-Based, Heat-Resistant Alloys *Tensile Strength RM (MPa)*: 600–1700* *Hardness (HB): 160–450 (HRC): <48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
–	NiFe 33 Cr 17 Mo	–	–	–	–	–	–	–	–	–	–	Nimocast PD16
–	–	–	–	–	HC202	NC20N13	–	–	–	–	–	Nimocast PE10
–	–	–	–	–	–	NC19K18Fe5TA	–	–	–	–	–	Nimonic® 95
ASME SB575	–	–	–	N06022	–	–	–	–	–	–	–	Nimonic C22
–	NiCr 22 Fe 18 Mo	–	–	–	HR6, 204	NC22FeD	–	–	–	–	–	Nimonic PE13
–	NiFe 33 Cr 17 Mo	–	–	–	HR207	NW11AC	–	–	–	–	–	Nimonic PE16
–	NiCr 20 Co 16 MoTi	–	–	–	–	NC19KDUN	–	–	–	–	–	Nimonic PK33
–	–	–	NCF 3015	–	–	–	–	–	–	–	–	NiReVa 3015
AISI 686	–	–	–	–	–	–	–	–	–	–	–	R-235
AISI 690	–	–	–	–	–	Z6NKCDT38	–	–	–	–	–	Refractaloy 26
–	–	–	–	–	–	NK10C8W7ATaTD	–	–	–	–	–	René 125
–	–	–	–	–	–	NK15C14D6AWT	–	–	–	–	–	René 65
–	–	–	–	–	–	NC15K15ADT	–	–	–	–	–	René 77
–	–	–	–	–	–	NC14K9T5DWA	–	–	–	–	–	René 80
–	–	–	–	–	–	NC14K8	–	–	–	–	–	René 95
–	NiTa 9 Co 8 W 6 CrAl	–	–	–	–	NTa9K7C6W5A5DT	–	–	–	–	–	TRW VIA
–	NiCr 19 NbMo	–	–	–	–	NC18Fe18Nb6DWT	–	–	–	–	–	Udimet® 630
–	–	–	–	–	–	NCK18TDA	–	–	–	–	–	Udimet 710
–	–	–	–	–	–	NC18K15TDA	–	–	–	–	–	Udimet 720

S4 Workpiece Materials Listing • High-Temp Alloys • S4

S4 Titanium and Titanium Alloys *Tensile Strength RM (MPa)*: 900–1600* *Hardness (HB): 300–400 (HRC): 33–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
R 50250	Ti-99.8	2 TA 1	–	UNS R50250	TA6, TA7, TA8, TA9	AIR:9182T35	–	–	–	ASTM B381F1	3.7025	ATI 30 CP Grade 1
R 50400	Ti-99.7	2 TA 2-5	–	UNS R50400	TA2.5	AIR:9182T40	–	–	–	ASTM B381F2	3.7035	ATI 40 CP Grade 2
–	SG-Ti 2	–	–	–	–	–	–	–	–	–	3.7036	–
R 50550	Ti-99.6	TA 3	–	UNS R50550	TA2, TA3, TA4, TA5	AIR:9182T50	–	–	–	ASTM B381F3	3.7055	ATI 55 CP Grade 3
R 50700	Ti-99.5	2 TA 6-9	–	UNS R50700	–	AIR:9182T60	–	–	–	ASTM B381F4	3.7065	ATI 70 CP Grade 4
–	TiNi 0,8 Mo 0,3	–	–	UNS R53400	–	–	–	–	Ti-3Al-1.5Mn	ASTM Grade 12	3.7105	–
Ti 5Al-2.5Sn	TiAl 5 Sn 2,5	–	–	UNS R54520	TA 14,17	T-A5E	–	–	Ti-5Al-2.5Sn	–	3.7115	ATI Grade 6
–	TiCu 2	2 TA 21-24	–	–	–	–	–	–	Ti-2Cu	–	3.7124	–
R 54620	TiAl 6 Sn 2 Zr 4 Mo 2 Si	–	–	UNS R54620	–	–	–	–	Ti-6Al-2Sn-2Zr-4Mo-2Si	–	3.7145	–
–	TiAl 6 ZrMo 0,5	TA 43	–	–	–	–	–	–	Ti-6-5-0.5	–	3.7155	–
R 56400	TiAl 6 V 4	TA 10-13	TC4	UNS R56400	TA10 TA11 TA12 TA13 TA28 TA56	TA6V	–	–	Ti-6Al-4V	–	3.7164	ATI 6-4™
–	TiAl 6 V4	–	TC4	UNS R56400	TA10 TA11 TA12 TA13 TA28 TA56	TA6V; AIR:9183	–	–	Ti-6Al-4V (Beta)	–	3.7164	–
R 56620	TiAl 6 V 6 Sn2	–	–	UNS R56620	–	–	–	–	Ti-6Al-6V-2Sn	–	3.7175	ATI 6-6-2™
–	TiAl 4 Mo 4 Sn 2	TA 45-51	–	–	–	–	–	–	Ti-4Al-4Mo-2Sn	–	3.7185	–
–	TiAl 3 V2.5	–	–	UNS R56320	–	–	–	–	Ti-3Al-2.5V	ASTM Grade 9	3.7195	ATI 3-2.5-MIL™
R 52250	Ti 1 Pd	TP 1	–	UNS R 52250	–	–	–	–	–	ASTM Grade 11	3.7225	–
R 52400	Ti 2 Pd	–	–	UNS R 52400	–	–	–	–	–	ASTM Grade 7	3.7235	–
–	Ti 3 Pd	–	–	–	–	–	–	–	–	–	3.7255	–
–	TiAl 5 Fe 2,5	–	–	–	–	–	–	–	Ti-5Al-2.5Fe	–	3.7110	–
–	TiV13Cr11Al3	–	–	–	–	–	–	–	Ti-13V-11Cr-3Al	–	–	11/13/03
–	Ti-10V-2Fe-3Al	–	–	–	–	–	–	–	Ti-10.2.3	–	–	ATI 10-2-3™
–	–	–	–	UNS R58153	–	–	–	–	Ti-15-333	–	–	ATI 15-333™
–	–	–	–	–	–	–	–	–	Ti-15Mo (Alpha + Beta)	–	–	ATI 15Mo™ (Alpha + Beta)
–	–	–	–	–	–	–	–	–	Ti-15Mo (Beta)	–	–	ATI 15Mo™ (Beta)
–	Ti5Al2Sn2Zr4Cr4Mo	–	–	UNS R58650	–	–	–	–	–	–	–	ATI 17™
–	TIAl 3 V 8 Cr 6 Mo 4 Z 4	–	–	–	–	–	–	–	Ti-3Al-8V-6Cr-4Mo-4Zr	ASTN Grade 19	–	ATI 38-644™
–	–	–	–	UNS R54250	–	–	–	–	Ti-425	ASTM B265	–	ATI 425®
–	–	–	–	–	–	–	–	–	Ti-425 MIL	–	–	ATI 425®-MIL
–	TiAl 4 Mo 4 Sn 2 Si 0.5	–	–	–	5103	T-A4DE	–	–	Ti-4Al-4Mo-2Sn-0.5Si	–	–	ATI 4-4-2™
–	–	–	–	–	–	–	–	–	Ti-45Nb	–	–	ATI 45Nb™
–	–	–	–	–	–	–	–	–	Ti-5Al-5V-5Mo-3Cr	–	–	ATI 5-5-5-3 PM™
–	–	–	–	–	–	–	–	–	Ti-6Al-2Sn-2Zr-2Mn-2Cr-0.2Si	–	–	ATI 6-2222™
–	–	–	–	UNS R54620	–	–	–	–	Ti-6Al-4Zr-2Mo-2Sn	–	–	ATI 6-2-4-2 PM™
–	TiAl6Zr4Mo2Sn2	–	–	UNS R54620 modified	–	–	–	–	Ti-6Al-4Zr-2Mo-2Sn-0.2Si	–	–	ATI 6-2-4-2-Si PM™
–	–	–	–	UNS R56260	–	–	–	–	Ti-6-2-4-6	–	–	ATI 6-2-4-6™
–	–	–	–	UNS R56401	–	–	–	–	Ti-6Al-4V ELI	–	–	ATI 6-4 ELI™
–	TiAl 6 V4	–	–	UNS R56400	TA10 TA11 TA12 TA13 TA28 TA56	TA6V; AIR:9183	–	–	Ti-6Al-4V MIL	–	–	ATI 6-4-MIL™
–	TiAl 6 V4	–	–	UNS R56400	TA10 TA11 TA12 TA13 TA28 TA56	TA6V; AIR:9183	–	–	Ti-6Al-4V MIL (HT)	–	–	ATI 6-4-MIL™
–	–	–	–	UNS R56700	–	–	–	–	Ti-6-7	ASTM F 1295	–	ATI 6-7™
–	TiAl8Mo1V1	–	–	UNS R54810	–	–	–	–	Ti-8Al-1Mo-1V	–	–	ATI 8-1-1™
–	–	–	–	–	–	–	–	–	Ti-15Mo-3Nb-3Al-0.2Si	ASTM Grade 21	–	Beta 21-S
–	–	–	–	–	–	–	–	–	Ti-12Mo-6Zr-2Fe	–	–	TMZF
–	TiAl7Nb	–	–	–	–	–	–	–	Ti-6Al-7Nb	–	–	–
–	TiAl7Mo4	–	–	–	–	–	–	–	–	ASTM B381	–	–
–	TiAl 4 Mo 4 Sn 4 Si 0.5	–	–	–	5203	–	–	–	Ti-4Al-4Mo-4Sn-0.5Si	–	–	–
–	TiA6Zr5Mo0.5Si0.25	–	–	–	–	T.AGZ.50	–	–	Ti-6Al-5Zr-0.5Mo-0.25Si	–	–	–
–	TiAl6Zr5Mo4CuSi0.2	–	–	–	M201	–	–	–	Ti-6Al-5Zr-4Mo-Cu-0.2Si	–	–	–
–	–	–	TC18	–	–	–	–	–	Ti-5Al-5Mo-5V-1Cr-1Fe	–	–	–
–	–	–	–	UNS %58210	–	–	–	–	Ti Beta 21 S	ASTM Grade 21	–	–
Ti 98.8	Ti 98.8	–	–	–	–	–	–	–	–	–	–	–
Ti 99.9	Ti 99.9	–	–	–	–	–	–	–	–	–	–	–
–	TiAL 6 Sn 2 Zr 4 Mo 2	–	–	–	–	–	–	–	–	–	–	–

NOTE: For legend, see page Y217.

H1 ■ Workpiece Materials Listing • Hardened Steels and Irons • H1

H1 Hardened Materials *Hardness (HRC): 44–48*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
H 11	X 38 CrMoV 5 H1	BH 11	SKD 6	T20811	X 38 CrMoV 5 H1	Z 38 CDV 5	X 37 CrMoV 5 1 KU	–	–	–	1.2343	–
H11	X 38 CrMoV 5 H1	BH 11	SKD 6	T20811	X 38 CrMoV 5 H1	Z 38 CDV 5	X 37 CrMoV 5 1 KU	–	–	–	1.2343	–
H 13	X 40 CrMoV 5 1	BH 13	SKD 61	T20813	X 40 CrMoV 5 1	Z 40 CDV 5	X 40 CrMoV 5 1 1 KU	2242	–	–	1.2344	–
H 10	X 32 CrMoV 3 3	BH 10	SKD 7	T 20810	X 32 CrMoV 12H-28	32 DCV 28	30 CrMoV 12 27 KU	–	–	–	1.2365	–
H19	X 45 CrCoVW 5 5 5	–	–	–	–	–	–	–	–	–	1.2678	–
A 532 I B NiCr-LC	GX 260 NiCr 42	Grade 2 A	0512-00	F45001	GJH-X260NiCr 4-2	–	–	0512-00	–	–	0.9620	–
L6	–	–	–	–	–	55 NCDV 07 (HT)	–	–	–	–	–	–

H2 ■ Workpiece Materials Listing • Hardened Steels and Irons • H2

H2 Hardened Materials *Hardness (HRC): 48–55*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
A 532 I A NiCr-HC	G-X 330 NiCr 42	Grade 2 B	0513-00	F45000	GJH-X330NiCr 4-2	FB Ni 4 Cr2 HC	–	0513-00	–	–	0.9625	–
H 21	X 30 WCrV 93	BH 21	SKD 5	T 20821	X 30 WCrV 9 3	Z 30 WCV 9	X 30 WCrV 9 3 KU	–	–	–	1.2581	–
H 12	X 37 CrMoW 5 1	BH 12	SKD 62	T20812	–	Z 35 CWDV 5	X 35 CrMoW 05 KU	–	–	–	1.2606	–
–	G-X 300 NiMo 3 Mg	–	–	–	GJH-X300NiMo 3 Mg	–	–	–	–	–	0.9610	–
A 532 I B NiCr-LC	GX 260 NiCr 42	Grade 2 A	0512-00	F45001	GJH-X260NiCr 4-2	–	–	0512-00	–	–	0.9620	–
A 532 III A 25% Cr	GX 260 Cr 27	Grade 3 D	0466-00	–	GJH-X260Cr 27	–	–	–	–	–	0.9650	–
–	X 2 NiCoMoTi 180905	–	–	–	–	Z 2 NKD 180905	–	–	–	–	–	Durimphy
K12	–	–	–	–	–	–	–	–	–	–	–	ATI K12 MIL

H3 ■ Workpiece Materials Listing • Hardened Steels and Irons • H3

H3 Hardened Materials *Hardness (HRC): 56–60*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
A 532 IIC15% CrMo-HC	G-X 300CrMo 15 3	Grade 3 A	–	–	GJH-X300CrMo 15-3	–	–	–	–	–	0.9635	–
–	G-X 300 CrMoNi 15 2 1	Grade 3 B	–	F45005	GJH-X300CrMoNi15-2-1	–	–	–	–	–	0.9640	–
A 532 IID20% CrMo-LC	GX 260 CrMoNi 20 2 1	Grade 3 C	–	F45007	GJH-X260CrMoNi20-2-1	–	–	–	–	–	0.9645	–
A 532 III A 25% Cr	G-X 300 CrMo 27 1	Grade 3 E	–	–	GJH-X300CrMo 27-1	–	–	–	–	–	0.9655	–
A 2	X 100 CrMoV 5 1	SKD 12	–	–	BA 2	Z 100 CDV 5 (HT)	X 100 CrMoV 51 KU	2260	–	–	1.2363	–
D7 (HT)	–	–	–	T30407	–	Z 230 CVA 12 04	–	–	–	–	1.2378	–
O 2	90 MnCrV 8	BO 2	–	T31502	90 MnV 8	90 MnV 8	90 MnVCr 8 KU	–	–	–	1.2842	–
A 532 I D Ni-HiCr	G-X 300 CrNiSi 95 2	Grade 2 C	0457-00	F45003	GJH-X300CrNiSi 9-5-2	–	–	–	–	–	0.9630	Nihard type 4
S 1	60 WCrV 7	BS 1	–	–	6020 WCrV 8	55 WC 20	55 WCrV 8 KU	–	–	–	1.2550	–
S 1	60 WCrV 7	BS 1	–	–	60 WCrV 8	55 WC 20	55 WCrV 8 UK	–	–	–	1.2550	–
S 7	50 CrMoV 13 14	–	–	–	–	–	–	–	–	–	–	Cryodur 2357
K 12 (HT)	–	–	–	–	–	–	–	–	–	–	–	ATI K12-MIL

H4 ■ Workpiece Materials Listing • Hardened Steels and Irons • H4

H4 Hardened Materials *Hardness (HRC): >60*

AISI**	DIN	BTS	JIS	UNS	EN	AFNOR	UNI	SIS	SAE	ASTM	Material Number	Manufacturer Reference
W 108	C 80 W 1	–	–	T72301	C 80 U	Y1 90	C 80 KU	1880	–	–	1.1525	–
D 2	X 155 CrVMo 12 1	BD 2	SKD §§	T 30402	X 153 CrMoV 12	Z 160 CDV 12	X 155 CrVMo 12 1 KU	2310	–	–	1.2379	–
–	100 WV4	–	SKS 21	–	–	–	–	–	–	–	1.2515	–
D 3	X 210 Cr 12	BD 3	SKD 1	T30403	X 210 Cr 1 2	Z 200 C 12	X 205 Cr 12 KU	–	–	–	1.2080	–
O 7	110 WCrV 5	–	–	–	–	–	–	–	–	–	–	–
–	Mh97 + Pb	–	–	–	–	–	–	–	–	–	–	LAW 100 Pb

■ Workpiece Materials Listing Legend

* 1 Mpa = 145 psi.
** Includes ASTM and SAE material specifications.
AISI — American Iron and Steel Institute
AFNOR — French National Organisation for Standardisation
AMS — Aerospace Material Specifications
ASTM — American Society of Mechanical Engineers
BS — British Standards
DIN — German Institute for Standardisation
EN — European Standards
JIS — Japanese Industrial Standards
SAE — Society of Automotive Engineers
SIS — Swedish Standards Institute
UNI — Italian Organisation for Standardisation
UNS — Unified Numbering System

Service and Support

Customer Application Support (CAS)

Get Fast and Reliable Answers to Your Toughest Metalcutting Problems

Our Customer Application Support (CAS) Team is the metalworking industry's leading help desk resource for tooling application solutions and problem resolution.

Easy Access to Proven Metalworking Expertise!

Kennametal Customer Application Engineers assist customers and engineering groups throughout the world with expert tool selection and application recommendations for the entire range of Kennametal tooling.

SERVICE LEVEL EXCELLENCE	Fast telephone response. Quick technical solutions. Efficient case management.
SERVICES	Operating parameters. Process optimisation. Hardware support. Tooling selection. Troubleshooting.
BEST-IN-CLASS SUPPORT TOOLS AND TECHNOLOGY	Materials database. Application calculators. Tooling performance experts.



Originating Country	Language	Phone	E-mail
Australia	English	1800 666 667	ap-kmt.techsupport@kennametal.com
Austria	German	0800 202873	eu.techsupport@kennametal.com
Belgium	English/French	0800 80850	eu.techsupport@kennametal.com
China	Chinese	400 889 2238	k-cn.techsupport@kennametal.com
Denmark	English	808 89298	na.techsupport@kennametal.com
Finland	English	0800 919412	na.techsupport@kennametal.com
France	French	080 5540 367	eu.techsupport@kennametal.com
Germany	German	0800 0006651	eu.techsupport@kennametal.com
India	English	1 800 103 5227	in.techsupport@kennametal.com
Israel	English	1809 449889	na.techsupport@kennametal.com
Italy	Italian	800 916561	eu.techsupport@kennametal.com
Japan	English	03 3820 2855	ap-kmt.techsupport@kennametal.com
Korea (South)	English	+82 2 2100 6100	ap-kmt.techsupport@kennametal.com
Malaysia	English	1800 812 990	ap-kmt.techsupport@kennametal.com
Mexico	Spanish	1800 253 0758	na.techsupport@kennametal.com
Netherlands	English	0800 0201 130	eu.techsupport@kennametal.com
New Zealand	English	0800 450 941	ap-kmt.techsupport@kennametal.com
Norway	English	800 10080	na.techsupport@kennametal.com
Poland	Polish	0080 04411887	eu.techsupport@kennametal.com
Russia (landline)	Russian	8800 5556394	eu.techsupport@kennametal.com
Russia (cell phone)	Russian	+7 8005556394	eu.techsupport@kennametal.com
Singapore	English	1800 6221031	ap-kmt.techsupport@kennametal.com
South Africa	English	0800 981643	na.techsupport@kennametal.com
Sweden	English	020799246	na.techsupport@kennametal.com
Taiwan	English	0800 666 197	ap-kmt.techsupport@kennametal.com
Thailand	English	1800 4417820	ap-kmt.techsupport@kennametal.com
UK	English	0800 032 8339	na.techsupport@kennametal.com
Ukraine	Russian	0800502664	eu.techsupport@kennametal.com
USA	English	800 835 3668	na.techsupport@kennametal.com

Numbers shown only serve the originating country listed.

METALCUTTING SAFETY

IMPORTANT SAFETY INSTRUCTIONS

Read before using the tools in this catalogue!

Projectile and Fragmentation Hazards:

Modern metalcutting operations involve high spindle and cutter speeds and high temperatures and cutting forces. Hot metal chips may fly off the workpiece during metalcutting. Although cutting tools are designed and manufactured to withstand high cutting forces and temperatures, they can sometimes fragment, particularly if they are subjected to over-stress, severe impact, or other abuse.

To avoid injury:

- Always wear appropriate personal protective equipment, including safety goggles, when operating metalcutting machines or working nearby.
- Always make sure all machine guards are in place.

Breathing and Skin Contact Hazards:

Grinding carbide or other advanced cutting tool materials produces dust or mist containing metallic particles. Breathing this dust or mist — especially over an extended period — can cause temporary or permanent lung disease or make existing medical conditions worse. Contact with this dust or mist can irritate eyes, skin, and mucous membranes and may make existing skin conditions worse.

To avoid injury:

- Always wear breathing protection and safety goggles when grinding.
- Provide ventilation control and collect and properly dispose of dust, mist, or sludge from grinding.
- Avoid skin contact with dust or mist.

For more information, read the applicable Material Safety Data Sheet provided by Kennametal and consult General Industry Safety and Health Regulations, Part 1910, Title 29 of the Code of Federal Regulations.

These safety instructions are general guidelines. Many variables affect machining operations. It is impossible to cover every specific situation. The technical information included in this catalogue and recommendations on machining practices may not apply to your particular operation. For more information, consult the Kennametal Metalcutting Safety booklet, available free from Kennametal at 724 539 5747 or fax 724 539 5439. For specific product safety and environmental questions, contact our Corporate Environmental Health and Safety Office at 724 539 5066 or fax 724 539 5372.

Kennametal, the stylised K, A2, A4, AluMill, Beyond, Beyond Blast, Beyond Drive, Beyond Evolution, Blue Box, CTR, DFC, DFR, DFS, DFSP, DFT, Dodeka, Dodeka MAX, Drill Fix, ERICKSON, Fix-Perfect, GOdrill, GOmill, GOtap, Green Box, HARVI, HexaCut, HTS, HydroForce, K10, K715, KB1345, KB5630, KBK45, KC5010, KC5025, KC522M, KC625M, KC633M, KC635M, KC637M, KC639M, KC643M, KC7135, KC7210, KC7225, KC725M, KC7315, KC7320, KC7325, KC7410, KC9105, KCK10, KCM15, KCMS, KCMS35, KCN05, KCP15, KCPK10, KCPK15, KCPK20, KCPK30, KCPM15, KCPM40, KCPM45, KCSM15, KCU10, KCU25, KCU40, KCU45, KD1400, KD1405, KD1415, KD1420, KD1425, KDF400, KDMB, KDMT, KenClamp, Kendex, KenFeed, Kenlever, Kenloc, Kenna Perfect, Kenna Universal, KenTIP, KF1, KGEM, KIPR, K-Lock, KM, KM25, KM40, KM40TS, KM4X, KM4X100, KM-TS, KN25, KNS, KP6505, KP6525, KSCM, KSEM, KSEM PLUS, KSOM, KSRM, KSSM, KSSM8+, KSSR, KSSS, KTMS, KTP10, KU25T, KVNS, KY1310, KY3500, KYK10, KYK25, KYS40, Load Optimised Insert Spacing, MaxiMet, MEGA, Mill 1-7, Mill 1-10, Mill 1-14, Mill 1-18, Mill 1-25, Mill 4, Mill 4-11, Mill 4-15, Mill 16, ModBORE, NOVO, RIQ, RHR, Rodeka, Romicron, RMS, SIF, SEFAS, Stellite, Stellram, Top Notch, Wedgelock, X-Grade, and Y-TECH are trademarks of Kennametal, Inc. and are used as such herein. The absence of a product, service name, or logo from this list does not constitute a waiver of the Kennametal trademark or other intellectual property rights concerning that name or logo.

Android™ is a trademark of Google Inc.
ATI 416™, ATI 410™, ATI 430™, ATI 420™, ATI 403™, ATI 904L™, ATI 348™, etc. are trademarks of Allegheny Technologies, Inc.
Discaloy™ is a trademark of Westinghouse Electric Corporation.
DUO-λOCK® is a registered trademark and Duo-Lock™ is a trademark of Haimer GmbH.
Google Play™ is a trademark of Google Inc.
Hardox® is a registered trademark of SSAB Technology AB Corporation.
Hastelloy® and Haynes® are registered trademarks of Haynes International, Inc. Corporation.
Hostalen™ is a trademark of Hoechst GmbH Corporation.
INCONEL®, Monel®, NIMONIC®, and Udimet® are registered trademarks of Special Metals Corporation.
iPhone® and iTunes® are registered trademarks of Apple Inc., registered in the U.S. and other countries.
Lexan® is a registered trademark of Sabic Innovative Plastics IP B.V. Company.
Makrolon® is a registered trademark of Bayer Aktiengesellschaft.
Mazak® and INTEGREX® are registered trademarks of Yamatomo Kosan Kabushiki Kaisha Corporation.
Roto-Glyd® is a registered trademark and Roto-Glyd™ Ring is a trademark of Trelleborg Sealing Solutions.
SAFE-λOCK® is a registered trademark and Safe-Lock™ is a trademark of Haimer GmbH.
Teflon™ is a trademark of The Chemours Company FC, LLC.
Weldon® is a registered trademark of Weldon Tool Company.

©2017 Kennametal Inc. All rights reserved.

MASTER CATALOGUE

WORLD HEADQUARTERS
Kennametal Inc.
600 Grant Street I Suite 5100
Pittsburgh, PA 15219 USA
Tel: 1 800 446 7738
ftmill.service@kennametal.com

EUROPEAN HEADQUARTERS
Kennametal Europe GmbH
Rheingoldstrasse 50
CH 8212 Neuhausen am Rheinfall
Switzerland
Tel: +41 52 6750 100
neuhausen.info@kennametal.com

ASIA-PACIFIC HEADQUARTERS
Kennametal Singapore Pte. Ltd.
3A International Business Park
Unit #01-02/03/05, ICON@IBP
Singapore 609935
Tel: +65 6265 9222
k-sg.sales@kennametal.com

INDIA HEADQUARTERS
Kennametal India Limited
CIN: L27109KA1964PLC001546
8/9th Mile, Tumkur Road
Bangalore - 560 073
Tel: +91 080 22198444 or +91 080 43281444
bangalore.information@kennametal.com

KENNAMETAL®

kennametal.com

©2017 Kennametal Inc. I All rights reserved. I A-16-05216EN_me