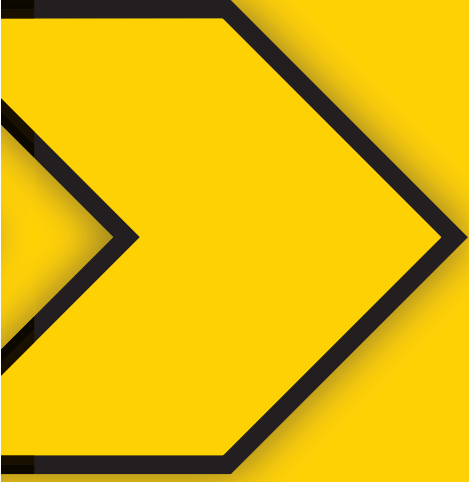




CATALOGUE **INNOVATIONS**

MÉTRIQUE/INCH

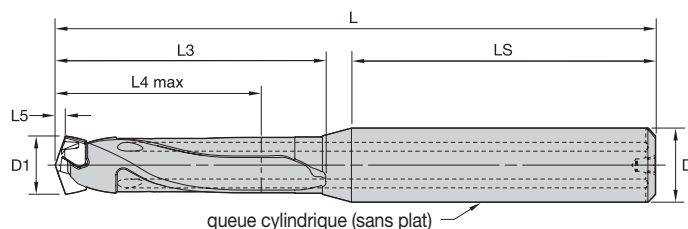
Forets modulaires KenTIP™

Porte-outils à queue cylindrique 12 x D

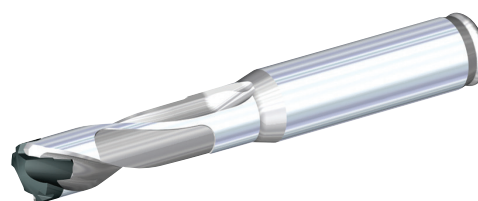
kennametal.com



- Le système de foret modulaire KenTIP offre des niveaux de performance équivalents à ceux des forets carbure monobloc. Le logement robuste assure stabilité et tenue de coupe élevée.
- Le système de perçage KenTIP fait appel à des embouts jetables — pas de frais de reconditionnement, des performances régulières et une logistique des outils considérablement réduite par rapport aux solutions de perçage réaffûtables.
- Arrosage central près de l'arête de coupe pour une bonne tenue de coupe, une finition et une évacuation des copeaux améliorées.
- Corps d'outil livré avec clé pour embout.



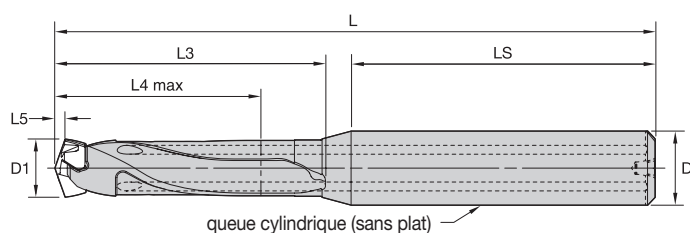
Pour plus d'informations sur L, L3, L4 maxi, L5, LS et D, voir page 4.



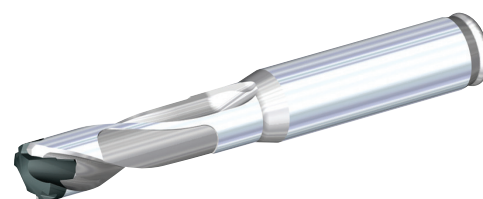
■ Queue cylindrique KenTIP • 1,5 x D/3 x D/5 x D/8 x D12 x D • Métrique

 1,5 x D	 3 x D	 5 x D	 8 x D	 12 x D	D1		D1 max		dimension du logement	clé KenTIP
					Métrique	in	Métrique	in		
KTIP080R1SS10M	KTIP080R3SS10M	KTIP080R5SS10M	KTIP080R8SS10M	KTIP080R12SS10M	8,000	.3150	8,499	.3346	F	170.306
KTIP085R1SS10M	KTIP085R3SS10M	KTIP085R5SS10M	KTIP085R8SS10M	KTIP085R12SS10M	8,500	.3346	8,999	.3543	G	170.306
KTIP090R1SS10M	KTIP090R3SS10M	KTIP090R5SS10M	KTIP090R8SS10M	KTIP090R12SS10M	9,000	.3543	9,499	.3740	H	170.306
KTIP095R1SS10M	KTIP095R3SS10M	KTIP095R5SS10M	KTIP095R8SS10M	KTIP095R12SS10M	9,500	.3740	9,999	.3937	I	170.306
KTIP100R1SS12M	KTIP100R3SS12M	KTIP100R5SS12M	KTIP100R8SS12M	KTIP100R12SS12M	10,000	.3937	10,499	.4133	J	170.307
KTIP105R1SS12M	KTIP105R3SS12M	KTIP105R5SS12M	KTIP105R8SS12M	KTIP105R12SS12M	10,500	.4134	10,999	.4330	K	170.307
KTIP110R1SS12M	KTIP110R3SS12M	KTIP110R5SS12M	KTIP110R8SS12M	KTIP110R12SS12M	11,000	.4331	11,499	.4527	L	170.307
KTIP115R1SS12M	KTIP115R3SS12M	KTIP115R5SS12M	KTIP115R8SS12M	KTIP115R12SS12M	11,500	.4528	11,999	.4724	M	170.307
KTIP120R1SS14M	KTIP120R3SS14M	KTIP120R5SS14M	KTIP120R8SS14M	KTIP120R12SS14M	12,000	.4724	12,499	.4921	N	170.308
KTIP125R1SS14M	KTIP125R3SS14M	KTIP125R5SS14M	KTIP125R8SS14M	KTIP125R12SS14M	12,500	.4921	12,999	.5118	O	170.308
KTIP130R1SS14M	KTIP130R3SS14M	KTIP130R5SS14M	KTIP130R8SS14M	KTIP130R12SS14M	13,000	.5118	13,499	.5315	P	170.308
KTIP135R1SS14M	KTIP135R3SS14M	KTIP135R5SS14M	KTIP135R8SS14M	KTIP135R12SS14M	13,500	.5315	13,999	.5511	Q	170.308
KTIP140R1SS16M	KTIP140R3SS16M	KTIP140R5SS16M	KTIP140R8SS16M	KTIP140R12SS16M	14,000	.5512	14,499	.5708	R	170.309
KTIP145R1SS16M	KTIP145R3SS16M	KTIP145R5SS16M	KTIP145R8SS16M	KTIP145R12SS16M	14,500	.5709	14,999	.5905	S	170.309
KTIP150R1SS16M	KTIP150R3SS16M	KTIP150R5SS16M	KTIP150R8SS16M	KTIP150R12SS16M	15,000	.5906	15,999	.6299	T	170.309
KTIP160R1SS18M	KTIP160R3SS18M	KTIP160R5SS18M	KTIP160R8SS18M	KTIP160R12SS18M	16,000	.6299	16,999	.6693	U	170.309
KTIP170R1SS18M	KTIP170R3SS18M	KTIP170R5SS18M	KTIP170R8SS18M	KTIP170R12SS18M	17,000	.6693	17,999	.7086	V	170.314
KTIP180R1SS20M	KTIP180R3SS20M	KTIP180R5SS20M	KTIP180R8SS20M	KTIP180R12SS20M	18,000	.7087	18,999	.7480	W	170.314
KTIP190R1SS20M	KTIP190R3SS20M	KTIP190R5SS20M	KTIP190R8SS20M	KTIP190R12SS20M	19,000	.7480	19,999	.7874	X	170.314
KTIP200R1SS25M	KTIP200R3SS25M	KTIP200R5SS25M	KTIP200R8SS25M	KTIP200R12SS25M	20,000	.7874	20,999	.8267	Y	170.314
KTIP210R1SS25M	KTIP210R3SS25M	KTIP210R5SS25M	KTIP210R8SS25M	KTIP210R12SS25M	21,000	.8268	21,999	.8661	Z	170.314
KTIP220R1SS25M	KTIP220R3SS25M	KTIP220R5SS25M	KTIP220R8SS25M	KTIP220R12SS25M	22,000	.8661	22,999	.9055	ZA	170.314
KTIP230R1SS25M	KTIP230R3SS25M	KTIP230R5SS25M	KTIP230R8SS25M	KTIP230R12SS25M	23,000	.9055	23,999	.9448	ZB	170.314
KTIP240R1SS25M	KTIP240R3SS25M	KTIP240R5SS25M	KTIP240R8SS25M	KTIP240R12SS25M	24,000	.9449	24,999	.9842	ZC	170.314
KTIP250R1SS32M	KTIP250R3SS32M	KTIP250R5SS32M	KTIP250R8SS32M	KTIP250R12SS32M	25,000	.9843	25,999	1.0236	ZD	170.314
KTIP260R1SS32M	KTIP260R3SS32M	KTIP260R5SS32M	KTIP260R8SS32M	KTIP260R12SS32M	26,000	1.0236	26,999	1.0630	ZE	170.314
KTIP270R1SS32M	KTIP270R3SS32M	KTIP270R5SS32M	KTIP270R8SS32M	KTIP270R12SS32M	27,000	1.0630	27,999	1.1023	ZE	170.314

- Le système de foret modulaire KenTIP offre des niveaux de performance équivalents à ceux des forets carbure monobloc. Le logement robuste assure stabilité et tenue de coupe élevée.
- Le système de perçage KenTIP fait appel à des embouts jetables — pas de frais de reconditionnement, des performances régulières et une logistique des outils considérablement réduite par rapport aux solutions de perçage réaffûtables.
- Arrosage central près de l'arête de coupe pour une bonne tenue de coupe, une finition et une évacuation des copeaux améliorées.
- Corps d'outil livré avec clé pour embout.



Pour plus d'informations sur L, L3, L4 maxi, L5, LS et D, voir page 4.

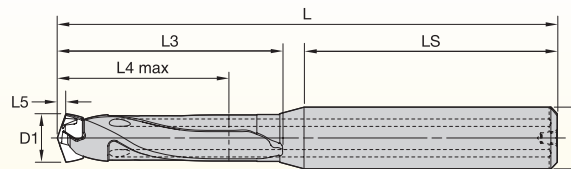


■ Queue cylindrique KenTIP • 3 x D/5 x D/8 x D/12 x D • Inch

3 x D	5 x D	8 x D	12 x D	D1		D1 max		dimension du logement	clé KenTIP
				Métrique	in	Métrique	in		
KTIP0313R3SS038	KTIP0313R5SS038	KTIP0313R8SS038	KTIP0313R12SS038	7,940	.3125	8,499	.3346	F	170.306
KTIP0335R3SS038	KTIP0335R5SS038	KTIP0335R8SS038	KTIP0335R12SS038	8,500	.3346	8,999	.3543	G	170.306
KTIP0354R3SS038	KTIP0354R5SS038	KTIP0354R8SS038	KTIP0354R12SS038	9,000	.3543	9,499	.3740	H	170.306
KTIP0374R3SS038	KTIP0374R5SS038	KTIP0374R8SS038	KTIP0374R12SS038	9,500	.3740	9,999	.3937	I	170.306
KTIP0374R3SS044	KTIP0374R5SS044	KTIP0374R8SS044	KTIP0374R12SS044	9,500	.3740	9,999	.3937	I	170.306
KTIP0394R3SS044	KTIP0394R5SS044	KTIP0394R8SS044	KTIP0394R12SS044	10,000	.3937	10,499	.4133	J	170.307
KTIP0413R3SS044	KTIP0413R5SS044	KTIP0413R8SS044	KTIP0413R12SS044	10,500	.4134	10,999	.4330	K	170.307
KTIP0433R3SS044	KTIP0433R5SS044	KTIP0433R8SS044	KTIP0433R12SS044	11,000	.4331	11,499	.4527	L	170.307
KTIP0453R3SS050	KTIP0453R5SS050	KTIP0453R8SS050	KTIP0453R12SS050	11,500	.4528	11,999	.4724	M	170.307
KTIP0472R3SS050	KTIP0472R5SS050	KTIP0472R8SS050	KTIP0472R12SS050	12,000	.4724	12,499	.4921	N	170.308
KTIP0492R3SS050	KTIP0492R5SS050	KTIP0492R8SS050	KTIP0492R12SS050	12,500	.4921	12,999	.5118	O	170.308
KTIP0492R3SS056	KTIP0492R5SS056	KTIP0492R8SS056	KTIP0492R12SS056	12,500	.4921	12,999	.5118	O	170.308
KTIP0512R3SS056	KTIP0512R5SS056	KTIP0512R8SS056	KTIP0512R12SS056	13,000	.5118	13,499	.5315	P	170.308
KTIP0532R3SS056	KTIP0532R5SS056	KTIP0532R8SS056	KTIP0532R12SS056	13,500	.5315	13,999	.5511	Q	170.308
KTIP0551R3SS056	KTIP0551R5SS056	KTIP0551R8SS056	KTIP0551R12SS056	14,000	.5512	14,499	.5708	R	170.309
KTIP0571R3SS063	KTIP0571R5SS063	KTIP0571R8SS063	KTIP0571R12SS063	14,500	.5709	14,999	.5905	S	170.309
KTIP0591R3SS063	KTIP0591R5SS063	KTIP0591R8SS063	KTIP0591R12SS063	15,000	.5906	15,999	.6299	T	170.309
KTIP0630R3SS069	KTIP0630R5SS069	KTIP0630R8SS069	KTIP0630R12SS069	16,000	.6299	16,999	.6693	U	170.309
KTIP0669R3SS069	KTIP0669R5SS069	KTIP0669R8SS069	KTIP0669R12SS069	17,000	.6693	17,999	.7086	V	170.314
KTIP0709R3SS075	KTIP0709R5SS075	KTIP0709R8SS075	KTIP0709R12SS075	18,000	.7087	18,999	.7480	W	170.314
KTIP0748R3SS075	KTIP0748R5SS075	KTIP0748R8SS075	KTIP0748R12SS075	19,000	.7480	19,999	.7874	X	170.314
KTIP0787R3SS081	KTIP0787R5SS081	KTIP0787R8SS081	KTIP0787R12SS081	20,000	.7874	20,999	.8267	Y	170.314
KTIP0827R3SS088	KTIP0827R5SS088	KTIP0827R8SS088	KTIP0827R12SS088	21,000	.8268	21,999	.8661	Z	170.314
KTIP0866R3SS088	KTIP0866R5SS088	KTIP0866R8SS088	KTIP0866R12SS088	22,000	.8661	22,999	.9055	ZA	170.314
KTIP0906R3SS094	KTIP0906R5SS094	KTIP0906R8SS094	KTIP0906R12SS094	23,000	.9055	23,999	.9448	ZB	170.314
KTIP0945R3SS100	KTIP0945R5SS100	KTIP0945R8SS100	KTIP0945R12SS100	24,000	.9449	24,999	.9842	ZC	170.314
KTIP0984R3SS100	KTIP0984R5SS100	KTIP0984R8SS100	KTIP0984R12SS100	25,000	.9843	25,999	1.0236	ZD	170.314
KTIP1024R3SS125	KTIP1024R5SS125	KTIP1024R8SS125	KTIP1024R12SS125	26,000	1.0236	26,999	1.0630	ZE	170.314
KTIP1063R3SS125	KTIP1063R5SS125	KTIP1063R8SS125	KTIP1063R12SS125	27,000	1.0630	27,999	1.1023	ZE	170.314

Forets modulaires • Tableaux des dimensions

■ Dimensions des forets modulaires KenTIP™ • Queue cylindrique • Métrique



NOUVEAU !

D1 mm	D1 max	loge- ment	L5	LS	d cyl.	1.5 x D L	L3	L4 max	3 x D L	L3	L4 max	5 x D L	L3	L4 max	8 x D L	L3	L4 max	12 x D L	L3	L4 max	clé
8,000	8,499	F	1,4	41	10	67	23	13	79	35	26	97	53	43	123	79	68	157	113	102	170.306
8,500	8,999	G	1,5	41	10	68	24	14	81	37	27	100	56	45	127	83	72	163	119	108	170.306
9,000	9,499	H	1,6	41	10	69	25	14	83	39	29	103	58	48	132	88	76	170	126	114	170.306
9,500	9,999	I	1,6	41	10	70	26	15	85	41	30	107	63	50	137	92	80	177	133	120	170.306
10,000	10,499	J	1,7	46	12	77	28	16	92	43	32	115	66	53	147	98	84	189	140	126	170.307
10,500	10,999	K	1,8	46	12	78	29	17	94	45	33	118	68	55	151	101	88	195	146	132	170.307
11,000	11,499	L	1,9	46	12	79	30	17	96	47	35	121	71	58	156	105	92	202	153	138	170.307
11,500	11,999	M	2,0	46	12	80	31	18	98	49	36	124	75	60	160	110	96	208	159	144	170.307
12,000	12,499	N	2,1	46	14	83	34	19	101	52	38	127	78	63	165	116	100	215	166	150	170.308
12,500	12,999	O	2,2	46	14	84	35	20	103	54	39	130	81	65	169	120	104	221	172	156	170.308
13,000	13,499	P	2,2	46	14	85	36	20	105	56	41	133	84	68	174	125	108	228	179	162	170.308
13,500	13,999	Q	2,3	46	14	86	37	21	107	58	42	137	88	70	179	130	112	235	186	168	170.308
14,000	14,499	R	2,4	49	16	91	39	22	112	60	44	143	91	73	187	135	116	245	193	174	170.309
14,500	14,999	S	2,5	49	16	92	40	23	114	62	45	146	94	75	191	139	120	251	199	180	170.309
15,000	15,999	T	2,6	49	16	94	42	24	118	66	48	152	100	80	200	148	128	264	212	192	170.309
16,000	16,999	U	2,8	49	18	97	45	26	122	70	51	158	106	85	209	157	136	277	225	204	170.309
17,000	17,999	V	2,9	49	18	100	48	27	127	75	54	165	113	90	219	167	144	291	239	216	170.314
18,000	18,999	W	3,1	51	20	105	51	29	133	79	57	173	119	95	230	176	152	306	252	228	170.314
19,000	19,999	X	3,3	51	20	107	53	30	137	83	60	179	125	100	239	185	160	319	265	240	170.314
20,000	20,999	O	3,5	57	25	116	56	32	147	87	63	191	131	105	254	200	168	344	284	252	170.314
21,000	21,999	Z	3,6	57	25	118	58	33	151	91	66	198	138	110	264	204	176	352	292	264	170.314
22,000	22,999	ZA	3,8	57	25	122	62	35	156	96	69	204	144	115	273	213	184	365	305	276	170.314
23,000	23,999	ZB	4,0	57	25	124	64	36	160	100	72	210	150	120	282	222	192	378	318	288	170.314
24,000	24,999	ZC	4,1	57	25	127	67	38	164	104	75	216	156	125	291	231	200	391	331	300	170.314
25,000	25,999	ZD	4,3	61	32	133	69	39	172	108	78	227	163	130	305	241	208	409	345	312	170.314
26,000	26,999	ZE	4,5	61	32	138	74	41	178	114	81	232	168	135	315	251	216	423	359	324	170.314
27,000	27,999	ZE	4,7	61	32	139	75	42	181	117	84	239	175	140	323	259	224	435	371	336	170.314

■ Dimensions des forets modulaires KenTIP • Queue cylindrique • Inch

NOUVEAU !

D1 mm	D1 max	loge- ment	L5	LS	d cyl.	3 x D L	L3	L4 max	5 x D L	L3	L4 max	8 x D L	L3	L4 max	12 x D L	L3	L4 max	clé
.3125	.3346	F	.055	1.59	.3750	3.13	1.29	1.00	3.88	2.05	1.67	4.88	3.17	2.67	6.25	4.54	4.02	170.306
.3346	.3543	G	.059	1.59	.3750	3.25	1.38	1.06	4.00	2.16	1.77	5.13	3.42	2.83	6.50	4.79	4.25	170.306
.3543	.3740	H	.063	1.59	.3750	3.38	1.46	1.12	4.13	2.28	1.87	5.25	3.54	2.99	6.75	5.04	4.49	170.306
.3740	.3937	I	.063	1.59	.3750	3.38	1.54	1.18	4.25	2.44	1.97	5.38	3.67	3.15	7.13	5.34	4.72	170.306
.3740	.3937	I	.063	1.67	.4375	3.38	1.54	1.18	4.38	2.44	1.97	5.38	3.59	3.15	7.00	5.29	4.72	170.306
.3937	.4133	J	.067	1.67	.4375	3.63	1.63	1.24	4.63	2.55	2.07	5.75	3.96	3.30	7.37	5.59	4.96	170.307
.4134	.4330	K	.071	1.67	.4375	3.75	1.71	1.30	4.75	2.67	2.16	6.00	4.21	3.46	7.63	5.84	5.20	170.307
.4331	.4527	L	.075	1.67	.4375	3.88	1.79	1.36	4.88	2.78	2.26	6.25	4.46	3.62	7.87	6.09	5.43	170.307
.4528	.4724	M	.079	1.79	.5000	3.88	1.87	1.42	5.00	2.90	2.36	6.50	4.59	3.78	8.25	6.34	5.67	170.307
.4724	.4921	N	.083	1.79	.5000	4.00	1.95	1.48	5.00	3.01	2.46	6.75	4.84	3.94	8.50	6.59	5.91	170.308
.4921	.5118	O	.087	1.79	.5000	4.13	2.04	1.54	5.13	3.13	2.56	7.00	5.09	4.09	8.75	6.84	6.14	170.308
.4921	.5118	O	.087	1.79	.5625	4.13	2.04	1.54	5.13	3.13	2.56	7.00	5.09	4.09	8.75	6.84	6.14	170.308
.5118	.5315	P	.087	1.79	.5625	4.25	2.11	1.60	5.25	3.24	2.66	7.13	5.22	4.25	9.00	7.09	6.38	170.308
.5315	.5511	Q	.091	1.79	.5625	4.25	2.19	1.65	5.50	3.39	2.75	7.25	5.34	4.41	9.25	7.34	6.61	170.308
.5512	.5708	R	.095	1.79	.5625	4.50	2.27	1.71	5.75	3.50	2.85	7.38	5.47	4.57	9.50	7.59	6.85	170.309
.5709	.5905	S	.098	1.91	.6250	4.50	2.34	1.77	5.75	3.61	2.95	7.50	5.47	4.72	9.87	7.85	7.09	170.309
.5906	.6299	T	.102	1.91	.6250	4.75	2.43	1.89	6.00	3.76	3.15	7.75	5.72	5.04	1.37	8.35	7.56	170.309
.6299	.6693	U	.110	1.91	.6875	4.88	2.59	2.01	6.25	4.06	3.34	8.00	5.97	5.35	11.00	8.97	8.03	170.309
.6693	.7086	V	.116	1.91	.6875	5.00	2.99	2.24	6.50	4.47	3.66	8.75	6.72	5.79	11.50	9.47	8.50	170.314
.7087	.7480	W	.122	2.00	.7500	5.25	3.13	2.25	6.88	4.76	3.86	9.25	7.13	6.11	12.13	1.01	8.98	170.314
.7480	.7874	X	.129	2.00	.7500	5.50	3.38	2.49	7.13	5.01	4.07	9.63	7.51	6.43	12.63	1.51	9.45	170.314
.7874	.8267	O	.136	2.00	.8125	5.75	3.63	2.62	7.50	5.38	4.27	1.00	7.88	6.75	13.13	11.01	9.92	170.314
.8268	.8661	Z	.142	2.07	.8750	5.88	3.69	2.60	7.63	5.44	4.33	1.25	8.06	6.93	13.75	11.56	1.39	170.314
.8661	.9055	ZA	.150	2.07	.8750	6.00	3.81	2.72	7.88	5.69	4.53	1.63	8.44	7.24	14.25	12.06	1.87	170.314
.9055	.9448	ZB	.158	2.15	.9375	6.25	3.98	2.83	8.25	5.98	4.72	11.13	8.86	7.56	14.87	12.61	11.34	170.314
.9449	.9842	ZC	.161	3.00	1.0000	7.25	4.13	2.95	9.38	6.26	4.92	12.25	9.13	7.87	16.25	13.13	11.81	170.314
.9843	1.0236	ZD	.169	3.00	1.0000	7.38	4.26	3.07	9.63	6.51	5.12	12.63	9.51	8.19	16.75	13.63	12.28	170.314
1.0236	1.0630	ZE	.176	3.25	1.2500	7.86	4.49	3.19	9.99	6.62	5.32	13.25	9.88	8.50	17.50	14.13	12.76	170.314
1.0630	1.1023	ZE	.185	3.25	1.2500	7.98	4.61	3.31	1.18	6.81	5.51	13.57	1.20	8.82	18.00	14.63	13.23	170.314

CATALOGUE **INNOVATIONS**

SIÈGE MONDIAL

Kennametal Inc.

1600 Technology Way
Latrobe, PA 15650 USA
Tél. : 1 800 446 7738
ftmill.service@kennametal.com

SIÈGE EUROPÉEN

Kennametal Europe GmbH

Rheingoldstrasse 50
CH 8212 Neuhausen am Rheinfall
Suisse
Tél. : +41 52 6750 100
neuhausen.info@kennametal.com

SIÈGE ASIE/PACIFIQUE

Kennametal Singapore Pte. Ltd.

3A International Business Park
Unit #01-02/03/05, ICON@IBP
Singapour 609935
Tél. : +65 6265 9222
k-sg.sales@kennametal.com

SIÈGE INDE

Kennametal India Limited

CIN : L27109KA1964PLC001546
8/9th Mile, Tumkur Road
Bangalore - 560 073
Tél. : +91 080 22198444 ou +91 080 43281444
bangalore.information@kennametal.com



kennametal.com