POWERED BY NOVO KENNAMETAL

KenDrill™ Deep HPR

Solid Carbide Deep-Hole Drilling



NEW!

Materials

K P

Applications

- Drilling
- Drilling: Inclined Exit
- Drilling: Stacked Plate
- Drilling: Cross Hole

The new KenDrill Deep HPR improves on our existing range of solid carbide deep-hole drilling tools with its steel and and iron capabilities.

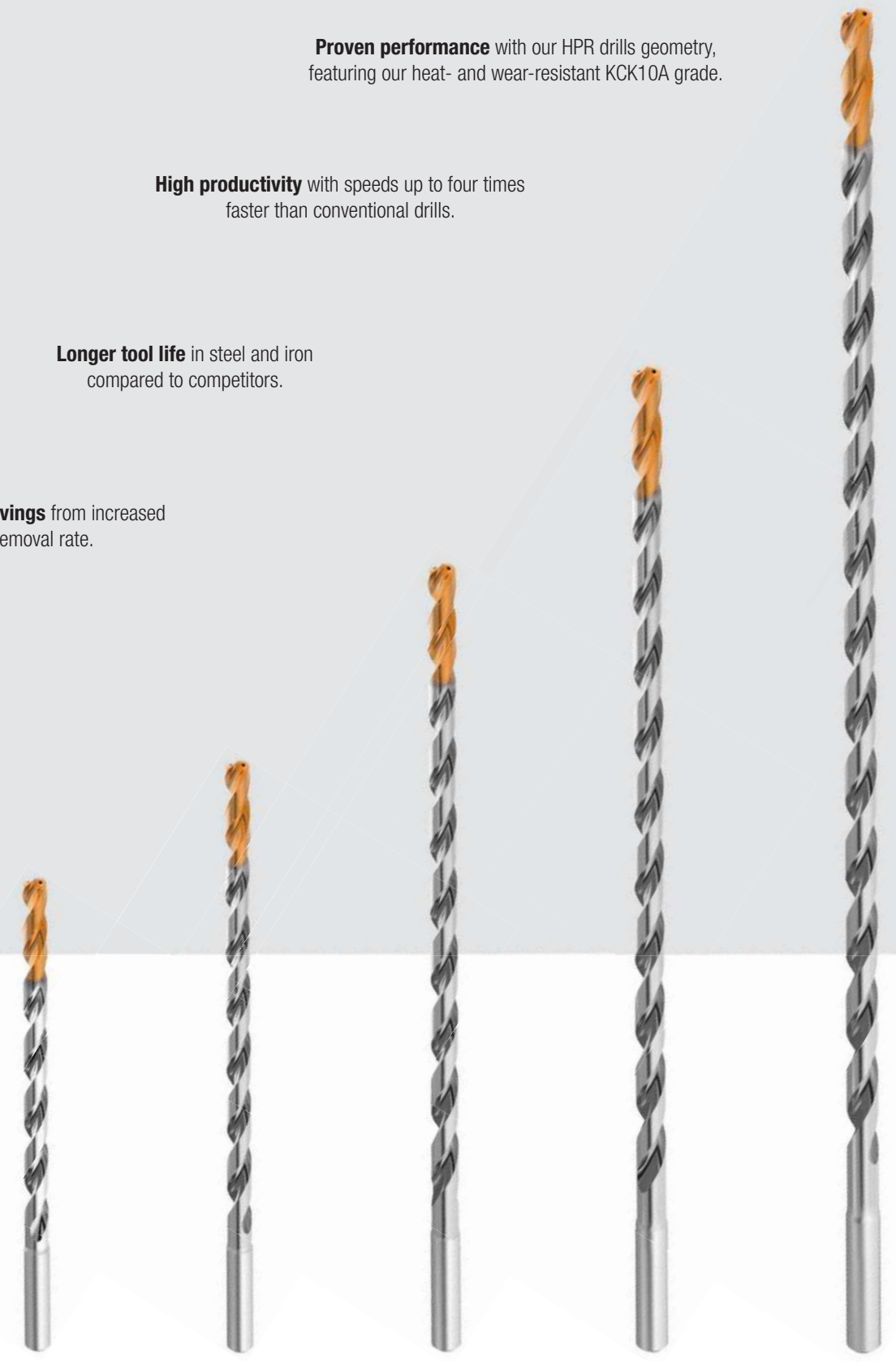
A material-specific deep-hole drill, KenDrill Deep HPR is in stock and available in an extensive range of lengths and diameters.

Proven performance with our HPR drills geometry, featuring our heat- and wear-resistant KCK10A grade.

High productivity with speeds up to four times faster than conventional drills.

Longer tool life in steel and iron compared to competitors.

Bottom-line savings from increased metal removal rate.



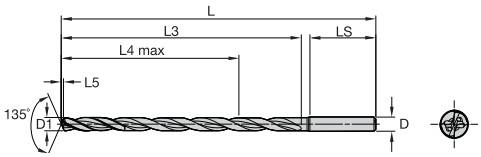
15 x D **20 x D** **25 x D** **30 x D** **40 x D**

Solid Carbide Drills

KenDrill™ Deep HPR • 15 x D • Internal Coolant • Straight Shank • Metric

NEW!





● first choice
○ alternate choice

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order number	catalogue number	D1	L	L3	L4 max	L5	LS	D	KCK10A
7081612	B271Z02383KMR	2,38	86	51	44	0,4	30	3	●
7081613	B271Z02500KMR	2,50	86	51	44	0,5	30	3	●
7081614	B271Z02642KMR	2,64	86	51	44	0,5	30	3	●
7081615	B271Z02705KMR	2,71	86	52	45	0,5	30	3	●
7081616	B271Z02779KMR	2,78	86	52	45	0,5	30	3	●
7081617	B271Z02820KMR	2,82	86	52	45	0,5	30	3	●
7081618	B271Z03000KMR	3,00	86	52	45	0,6	30	3	●
7081619	B271Z03175KMR	3,18	105	67	58	0,6	32	4	●
7081620	B271Z03200KMR	3,20	105	67	58	0,6	32	4	●
7081631	B271Z03500KMR	3,50	105	68	59	0,7	32	4	●
7081632	B271Z03600KMR	3,60	105	68	59	0,7	32	4	●
7081633	B271Z03700KMR	3,70	105	69	60	0,7	32	4	●
7081634	B271Z03970KMR	3,97	105	70	60	0,8	32	4	●
7081635	B271Z04000KMR	4,00	105	70	60	0,8	32	4	●
7081636	B271Z04500HPR	4,50	124	85	74	1,5	34	5	●
7081637	B271Z04623HPR	4,62	124	86	75	1,5	34	5	●
7081638	B271Z04763HPR	4,76	124	86	75	1,6	34	5	●
7081639	B271Z04800HPR	4,80	124	86	75	1,6	34	5	●
7081640	B271Z05000HPR	5,00	124	87	75	1,7	34	5	●
7081641	B271Z05060HPR	5,06	143	101	88	1,7	36	6	●
7081642	B271Z05260HPR	5,26	143	102	89	1,8	36	6	●
7081643	B271Z05410HPR	5,41	143	102	89	1,8	36	6	●
7081644	B271Z05500HPR	5,50	143	102	89	1,8	36	6	●
7081645	B271Z05558HPR	5,56	143	102	89	1,9	36	6	●
7081646	B271Z05800HPR	5,80	143	103	89	1,9	36	6	●
7081647	B271Z05900HPR	5,90	143	103	89	2,0	36	6	●
7081648	B271Z06000HPR	6,00	143	104	90	2,0	36	6	●
7081649	B271Z06200HPR	6,20	162	118	103	2,1	38	7	●
7081650	B271Z06350HPR	6,35	162	119	104	2,1	38	7	●
7081651	B271Z06500HPR	6,50	162	119	104	2,2	38	7	●
7081652	B271Z06528HPR	6,53	162	119	104	2,2	38	7	●
7081653	B271Z06746HPR	6,75	162	120	104	2,3	38	7	●
7081654	B271Z06909HPR	6,91	162	121	105	2,3	38	7	●
7081655	B271Z07000HPR	7,00	162	121	105	2,3	38	7	●
7081656	B271Z07145HPR	7,15	181	135	118	2,4	40	8	●
7081657	B271Z07500HPR	7,50	181	136	119	2,5	40	8	●
7081658	B271Z07541HPR	7,54	181	136	119	2,5	40	8	●
7081659	B271Z07938HPR	7,94	181	138	120	2,7	40	8	●
7081660	B271Z08000HPR	8,00	181	138	120	2,7	40	8	●
7081661	B271Z08200HPR	8,20	200	152	133	2,7	42	9	●
7081662	B271Z08334HPR	8,33	200	153	134	2,8	42	9	●
7081663	B271Z08500HPR	8,50	200	153	134	2,8	42	9	●
7081664	B271Z08733HPR	8,73	200	154	134	2,9	42	9	●
7081667	B271Z09000HPR	9,00	200	155	135	3,0	42	9	●
7081668	B271Z09100HPR	9,10	219	169	148	3,0	44	10	●
7081669	B271Z09200HPR	9,20	219	169	148	3,1	44	10	●
7081670	B271Z09500HPR	9,50	219	170	149	3,2	44	10	●
7081671	B271Z09525HPR	9,53	219	170	149	3,2	44	10	●
7081672	B271Z09750HPR	9,75	219	171	149	3,3	44	10	●
7081673	B271Z10000HPR	10,00	219	172	150	3,3	44	10	●
7081674	B271Z10200HPR	10,20	238	186	163	3,4	46	11	●
7081675	B271Z10500HPR	10,50	238	187	164	3,5	46	11	●
7081676	B271Z10716HPR	10,72	238	188	165	3,6	46	11	●
7081677	B271Z10800HPR	10,80	238	188	164	3,6	46	11	●
7081678	B271Z11000HPR	11,00	238	189	165	3,7	46	11	●
7081680	B271Z11500HPR	11,50	257	204	179	3,8	48	12	●
7081691	B271Z12000HPR	12,00	257	206	180	4,0	48	12	●
7081692	B271Z12500HPR	12,50	276	221	194	4,2	50	13	●
7081694	B271Z12700HPR	12,70	276	222	195	4,2	50	13	●
7081695	B271Z13000HPR	13,00	276	223	195	4,3	50	13	●
7081696	B271Z13500HPR	13,50	295	238	209	4,5	52	14	●
7081697	B271Z14000HPR	14,00	295	240	210	4,7	52	14	●
7081698	B271Z14288HPR	14,29	314	255	224	4,8	54	15	●
7081699	B271Z14500HPR	14,50	314	255	224	4,8	54	15	●
7081700	B271Z15000HPR	15,00	314	257	225	5,0	54	15	●
7081711	B271Z15300HPR	15,30	333	272	239	5,1	56	16	●
7081712	B271Z15875HPR	15,88	333	273	240	5,3	56	16	●
7081713	B271Z16000HPR	16,00	333	274	240	5,4	56	16	●

Solid Carbide Drills

KenDrill™ Deep HPR • 20 x D • Internal Coolant • Straight Shank • Metric

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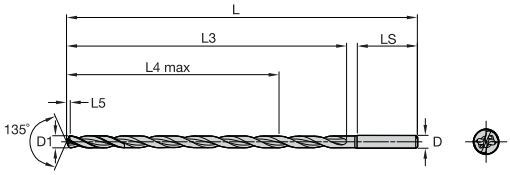

● first choice
○ alternate choice

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order number	catalogue number	D1	L	L3	L4 max	L5	LS	D	KCK10A
7081716	B272Z02383KMR	2,38	101	63	56	0,4	30	3	●
7081717	B272Z02400KMR	2,40	101	63	56	0,4	30	3	●
7081718	B272Z02489KMR	2,49	101	63	56	0,5	30	3	●
7081719	B272Z02500KMR	2,50	101	63	56	0,5	30	3	●
7081720	B272Z02779KMR	2,78	101	66	59	0,5	30	3	●
7081731	B272Z03000KMR	3,00	101	67	60	0,6	30	3	●
7081732	B272Z03150KMR	3,15	125	83	74	0,6	32	4	●
7081733	B272Z03175KMR	3,18	125	83	74	0,6	32	4	●
7081734	B272Z03300KMR	3,30	125	84	75	0,6	32	4	●
7081735	B272Z03500KMR	3,50	125	86	77	0,7	32	4	●
7081736	B272Z03850KMR	3,85	125	88	79	0,7	32	4	●
7081737	B272Z03970KMR	3,97	125	89	79	0,8	32	4	●
7081738	B272Z04000KMR	4,00	125	90	80	0,8	32	4	●
7081739	B272Z04500HPR	4,50	149	108	97	1,5	34	5	●
7081740	B272Z04623HPR	4,62	149	109	98	1,5	34	5	●
7081741	B272Z04763HPR	4,76	149	110	99	1,6	34	5	●
7081742	B272Z05000HPR	5,00	149	112	100	1,7	34	5	●
7081744	B272Z05200HPR	5,20	173	127	114	1,7	36	6	●
7081745	B272Z05260HPR	5,26	173	128	115	1,8	36	6	●
7081746	B272Z05410HPR	5,41	173	129	116	1,8	36	6	●
7081747	B272Z05500HPR	5,50	173	130	117	1,8	36	6	●
7081748	B272Z05558HPR	5,56	173	130	117	1,9	36	6	●
7081749	B272Z05800HPR	5,80	173	132	118	1,9	36	6	●
7081750	B272Z06000HPR	6,00	173	134	120	2,0	36	6	●
7081771	B272Z06200HPR	6,20	197	149	134	2,1	38	7	●
7081772	B272Z06350HPR	6,35	197	151	136	2,1	38	7	●
7081774	B272Z06500HPR	6,50	197	152	137	2,2	38	7	●
7081775	B272Z06528HPR	6,53	197	152	137	2,2	38	7	●
7081776	B272Z06746HPR	6,75	197	154	138	2,3	38	7	●
7081777	B272Z06800HPR	6,80	197	154	138	2,3	38	7	●
7081778	B272Z06909HPR	6,91	197	155	139	2,3	38	7	●
7081779	B272Z07000HPR	7,00	197	156	140	2,3	38	7	●
7081780	B272Z07145HPR	7,15	221	171	154	2,4	40	8	●
7081781	B272Z07200HPR	7,20	221	171	154	2,4	40	8	●
7081782	B272Z07500HPR	7,50	221	174	157	2,5	40	8	●
7081783	B272Z07541HPR	7,54	221	174	157	2,5	40	8	●
7081784	B272Z07938HPR	7,94	221	177	159	2,7	40	8	●
7081785	B272Z08000HPR	8,00	221	178	160	2,7	40	8	●
7081786	B272Z08334HPR	8,33	245	194	175	2,8	42	9	●
7081787	B272Z08433HPR	8,43	245	195	176	2,8	42	9	●
7081788	B272Z08500HPR	8,50	245	196	177	2,8	42	9	●
7081789	B272Z08733HPR	8,73	245	198	178	2,9	42	9	●
7081790	B272Z09000HPR	9,00	245	200	180	3,0	42	9	●
7081791	B272Z09100HPR	9,10	269	215	194	3,0	44	10	●
7081792	B272Z09500HPR	9,50	269	218	197	3,2	44	10	●
7081793	B272Z09525HPR	9,53	269	218	197	3,2	44	10	●
7081794	B272Z09750HPR	9,75	269	220	198	3,3	44	10	●
7081795	B272Z10000HPR	10,00	269	222	200	3,3	44	10	●
7081796	B272Z10200HPR	10,20	293	237	214	3,4	46	11	●
7081797	B272Z10500HPR	10,50	293	240	217	3,5	46	11	●
7081798	B272Z10716HPR	10,72	293	242	219	3,6	46	11	●
7081799	B272Z11000HPR	11,00	293	244	220	3,7	46	11	●
7081800	B272Z11500HPR	11,50	317	262	237	3,8	48	12	●
7081801	B272Z11800HPR	11,80	317	264	238	3,9	48	12	●
7081802	B272Z12000HPR	12,00	317	266	240	4,0	48	12	●
7081803	B272Z12500HPR	12,50	341	284	257	4,2	50	13	●
7081804	B272Z12700HPR	12,70	341	285	258	4,2	50	13	●
7081805	B272Z13000HPR	13,00	341	288	260	4,3	50	13	●
7081806	B272Z13100HPR	13,10	365	302	273	4,4	52	14	●
7081807	B272Z13500HPR	13,50	365	306	277	4,5	52	14	●
7081808	B272Z14000HPR	14,00	365	310	280	4,7	52	14	●
7081809	B272Z14500HPR	14,50	389	328	297	4,8	54	15	●
7081810	B272Z15000HPR	15,00	389	332	300	5,0	54	15	●
7081811	B272Z15500HPR	15,50	413	350	317	5,2	56	16	●
7081812	B272Z16000HPR	16,00	413	354	320	5,4	56	16	●

117–119	120	40–41	124

Solid Carbide Drills

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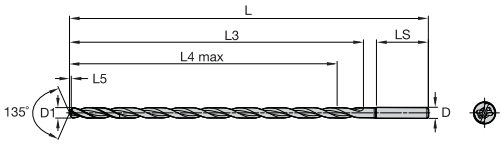

● first choice
○ alternate choice

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order number	catalogue number	D1	L	L3	L4 max	L5	LS	D	KCK10A
7081813	B273Z02383KMR	2,38	116	74	67	0,4	30	3	●
7081814	B273Z02500KMR	2,50	116	76	69	0,5	30	3	●
7081816	B273Z02600KMR	2,60	116	77	70	0,5	30	3	●
7081817	B273Z03000KMR	3,00	116	82	75	0,6	30	3	●
7081818	B273Z03175KMR	3,18	145	99	90	0,6	32	4	●
7081819	B273Z03500KMR	3,50	145	103	94	0,7	32	4	●
7081820	B273Z04000KMR	4,00	145	110	100	0,8	32	4	●
7081821	B273Z05000HPR	5,00	174	137	125	1,7	34	5	●
7081822	B273Z05100HPR	5,10	203	152	139	1,7	36	6	●
7081823	B273Z05500HPR	5,50	203	157	144	1,8	36	6	●
7081824	B273Z05800HPR	5,80	203	161	147	1,9	36	6	●
7081825	B273Z06000HPR	6,00	203	164	150	2,0	36	6	●
7081826	B273Z06350HPR	6,35	232	182	167	2,1	38	7	●
7081827	B273Z06500HPR	6,50	232	184	169	2,2	38	7	●
7081828	B273Z06746HPR	6,75	232	187	171	2,3	38	7	●
7081829	B273Z07000HPR	7,00	232	191	175	2,3	38	7	●
7081830	B273Z07500HPR	7,50	261	211	194	2,5	40	8	●
7081831	B273Z08000HPR	8,00	261	218	200	2,7	40	8	●
7081832	B273Z08500HPR	8,50	290	238	219	2,8	42	9	●
7081833	B273Z08733HPR	8,73	290	241	221	2,9	42	9	●
7081834	B273Z09000HPR	9,00	290	245	225	3,0	42	9	●
7081835	B273Z10000HPR	10,00	319	272	250	3,3	44	10	●
7081836	B273Z10200HPR	10,20	348	288	265	3,4	46	11	●
7081837	B273Z10500HPR	10,50	348	292	269	3,5	46	11	●
7081838	B273Z11000HPR	11,00	348	299	275	3,7	46	11	●
7081839	B273Z11500HPR	11,50	377	319	294	3,8	48	12	●
7081840	B273Z12000HPR	12,00	377	326	300	4,0	48	12	●
7081841	B273Z12500HPR	12,50	406	346	319	4,2	50	13	●
7081842	B273Z12700HPR	12,70	406	349	322	4,2	50	13	●
7081843	B273Z13000HPR	13,00	406	353	325	4,3	50	13	●
7081844	B273Z13500HPR	13,50	435	373	344	4,5	52	14	●
7081845	B273Z14000HPR	14,00	435	380	350	4,7	52	14	●
7081846	B273Z14288HPR	14,29	464	397	366	4,8	54	15	●
7081847	B273Z14500HPR	14,50	464	400	369	4,8	54	15	●
7081848	B273Z15000HPR	15,00	464	407	375	5,0	54	15	●
7081849	B273Z16000HPR	16,00	493	434	400	5,4	56	16	●

117–119	120	40–41	124

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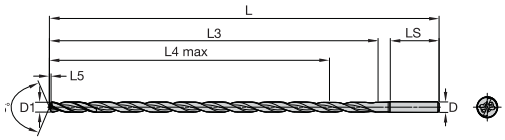

● first choice
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order number	catalogue number	D1	L	L3	L4 max	L5	LS	D	KCK10A
7080419	B274Z02383KMR	2,38	131	86	79	0,4	30	3	●
7080420	B274Z02500KMR	2,50	131	88	81	0,5	30	3	●
7080421	B274Z02600KMR	2,60	131	90	83	0,5	30	3	●
7080422	B274Z02800KMR	2,80	131	94	87	0,5	30	3	●
7080423	B274Z03000KMR	3,00	131	97	90	0,6	30	3	●
7080424	B274Z03175KMR	3,18	165	115	106	0,6	32	4	●
7080425	B274Z03500KMR	3,50	165	121	112	0,7	32	4	●
7080426	B274Z03970KMR	3,97	165	129	119	0,8	32	4	●
7080427	B274Z04000KMR	4,00	165	130	120	0,8	32	4	●
7080428	B274Z04300HPR	4,30	199	149	138	1,4	34	5	●
7080429	B274Z04500HPR	4,50	199	153	142	1,5	34	5	●
7080430	B274Z04763HPR	4,76	199	157	146	1,6	34	5	●
7080431	B274Z05000HPR	5,00	199	162	150	1,7	34	5	●
7080432	B274Z05500HPR	5,50	233	185	172	1,8	36	6	●
7080433	B274Z05700HPR	5,70	233	188	175	1,9	36	6	●
7080434	B274Z06000HPR	6,00	233	194	180	2,0	36	6	●
7080435	B274Z06350HPR	6,35	267	214	199	2,1	38	7	●
7080436	B274Z06500HPR	6,50	267	217	202	2,2	38	7	●
7080437	B274Z06800HPR	6,80	267	222	206	2,3	38	7	●
7080438	B274Z07000HPR	7,00	267	226	210	2,3	38	7	●
7080439	B274Z07700HPR	7,70	301	252	235	2,6	40	8	●
7080440	B274Z07938HPR	7,94	301	257	239	2,7	40	8	●
7080441	B274Z08000HPR	8,00	301	258	240	2,7	40	8	●
7080442	B274Z08334HPR	8,33	335	278	259	2,8	42	9	●
7080443	B274Z08500HPR	8,50	335	281	262	2,8	42	9	●
7080444	B274Z08700HPR	8,70	335	284	264	2,9	42	9	●
7080445	B274Z09000HPR	9,00	335	290	270	3,0	42	9	●
7080446	B274Z09525HPR	9,53	369	313	292	3,2	44	10	●
7080447	B274Z10000HPR	10,00	369	322	300	3,3	44	10	●
7080448	B274Z10200HPR	10,20	403	339	316	3,4	46	11	●
7080449	B274Z10500HPR	10,50	403	345	322	3,5	46	11	●
7080450	B274Z10716HPR	10,72	403	349	326	3,6	46	11	●
7080451	B274Z11000HPR	11,00	403	354	330	3,7	46	11	●
7080452	B274Z11500HPR	11,50	437	377	352	3,8	48	12	●
7080453	B274Z11800HPR	11,80	437	382	356	3,9	48	12	●
7080454	B274Z12000HPR	12,00	437	386	360	4,0	48	12	●
7080455	B274Z12500HPR	12,50	471	409	382	4,2	50	13	●
7080456	B274Z12700HPR	12,70	471	412	385	4,2	50	13	●
7080457	B274Z13000HPR	13,00	471	418	390	4,3	50	13	●
7080458	B274Z13500HPR	13,50	505	441	412	4,5	52	14	●
7080459	B274Z14000HPR	14,00	505	450	420	4,7	52	14	●
7080460	B274Z15000HPR	15,00	539	482	450	5,0	54	15	●

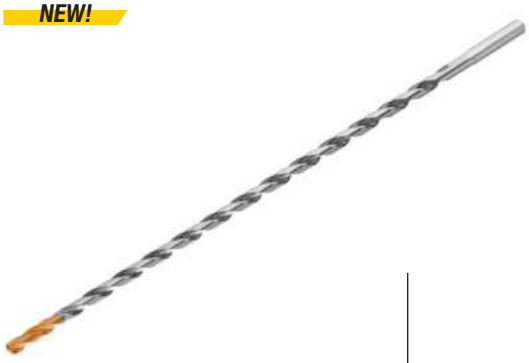
117–119	120	40–41	124

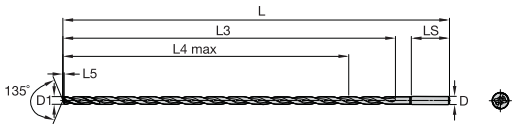
Solid Carbide Drills

KenDrill™ Deep HPR • 40 x D • Internal Coolant • Straight Shank • Metric

NEW!

● first choice
○ alternate choice





P	●
M	
K	●
N	
S	
H	

order number	catalogue number	D1	L	L3	L4 max	L5	LS	D	KCK10A
7080289	B275Z02500KMR	2,50	161	113	106	0,5	30	3	●
7080290	B275Z03000KMR	3,00	161	127	120	0,6	30	3	●
7080391	B275Z03175KMR	3,18	205	146	137	0,6	32	4	●
7080392	B275Z03500KMR	3,50	205	156	147	0,7	32	4	●
7080393	B275Z03571KMR	3,57	205	158	149	0,7	32	4	●
7080394	B275Z03970KMR	3,97	205	169	159	0,8	32	4	●
7080395	B275Z04000KMR	4,00	205	170	160	0,8	32	4	●
7080396	B275Z04200HPR	4,20	249	189	178	1,4	34	5	●
7080397	B275Z04500HPR	4,50	249	198	187	1,5	34	5	●
7080398	B275Z04763HPR	4,76	249	205	194	1,6	34	5	●
7080399	B275Z05000HPR	5,00	249	212	200	1,7	34	5	●
7080400	B275Z05500HPR	5,50	293	240	227	1,8	36	6	●
7080401	B275Z05558HPR	5,56	293	241	228	1,9	36	6	●
7080402	B275Z06000HPR	6,00	293	254	240	2,0	36	6	●
7080403	B275Z06350HPR	6,35	337	278	263	2,1	38	7	●
7080404	B275Z06500HPR	6,50	337	282	267	2,2	38	7	●
7080405	B275Z06800HPR	6,80	337	290	274	2,3	38	7	●
7080406	B275Z07000HPR	7,00	337	296	280	2,3	38	7	●
7080407	B275Z07145HPR	7,15	381	314	297	2,4	40	8	●
7080408	B275Z07500HPR	7,50	381	324	307	2,5	40	8	●
7080409	B275Z07938HPR	7,94	381	336	318	2,7	40	8	●
7080410	B275Z08000HPR	8,00	381	338	320	2,7	40	8	●
7080411	B275Z08500HPR	8,50	425	366	347	2,8	42	9	●
7080412	B275Z08733HPR	8,73	425	372	352	2,9	42	9	●
7080413	B275Z09000HPR	9,00	425	380	360	3,0	42	9	●
7080414	B275Z09525HPR	9,53	469	408	387	3,2	44	10	●
7080415	B275Z10000HPR	10,00	469	422	400	3,3	44	10	●
7080416	B275Z10200HPR	10,20	513	441	418	3,4	46	11	●
7080417	B275Z10320HPR	10,32	513	445	422	3,5	46	11	●
7080418	B275Z11000HPR	11,00	513	464	440	3,7	46	11	●

117–119	120	40–41	124

Solid Carbide Drills

KenDrill™ Deep HPR • Application Data • Metric

Material Group	Cutting Speed — vc m/min			Feed rate (f) = mm/r by diameter							
	Min	Starting Value	Max	3,0	4,0	6,0	8,0	10,0	12,0	14,0	16,0
P											
0	100	**100**	125	0,13–0,15	0,14–0,16	0,15–0,21	0,19–0,26	0,21–0,31	0,26–0,36	0,30–0,41	0,34–0,46
1	90	**100**	110	0,15–0,18	0,16–0,19	0,18–0,25	0,22–0,30	0,25–0,37	0,30–0,42	0,35–0,48	0,40–0,54
2	90	**100**	110	0,15–0,18	0,16–0,19	0,18–0,25	0,22–0,30	0,25–0,37	0,30–0,42	0,35–0,48	0,40–0,54
3	80	**95**	110	0,15–0,18	0,16–0,19	0,18–0,25	0,22–0,30	0,25–0,37	0,30–0,42	0,35–0,48	0,40–0,54
4	80	**90**	110	0,15–0,18	0,16–0,19	0,18–0,25	0,22–0,30	0,25–0,37	0,30–0,42	0,35–0,48	0,40–0,54
5	60	**80**	90	0,03–0,11	0,04–0,11	0,05–0,11	0,05–0,14	0,08–0,18	0,11–0,21	0,12–0,22	0,14–0,24
6	60	**70**	80	0,03–0,11	0,04–0,11	0,05–0,11	0,05–0,14	0,08–0,18	0,11–0,21	0,12–0,22	0,14–0,24
K											
1	80	**100**	120	0,15–0,19	0,17–0,20	0,19–0,26	0,24–0,32	0,27–0,40	0,32–0,45	0,38–0,52	0,45–0,59
2	80	**90**	100	0,15–0,18	0,16–0,19	0,18–0,25	0,22–0,30	0,25–0,37	0,30–0,42	0,35–0,48	0,40–0,54
3	60	**90**	120	0,15–0,18	0,16–0,19	0,18–0,25	0,22–0,30	0,25–0,37	0,30–0,42	0,35–0,48	0,40–0,54