

DRILLING TOOLS CATALOGUE



Nigel Precision Machiner(shanghai)Co.,Ltd





COMPANY PROFILE

Nigel Precision Machinery Co., Ltd. is located in Shanghai, china. We specialize in cutting tools and have more than 20 years' experience in this field. We always adhere to the principles of quality first, reputation first, and customer first to provide customers with the highest quality cutting tool solutions.

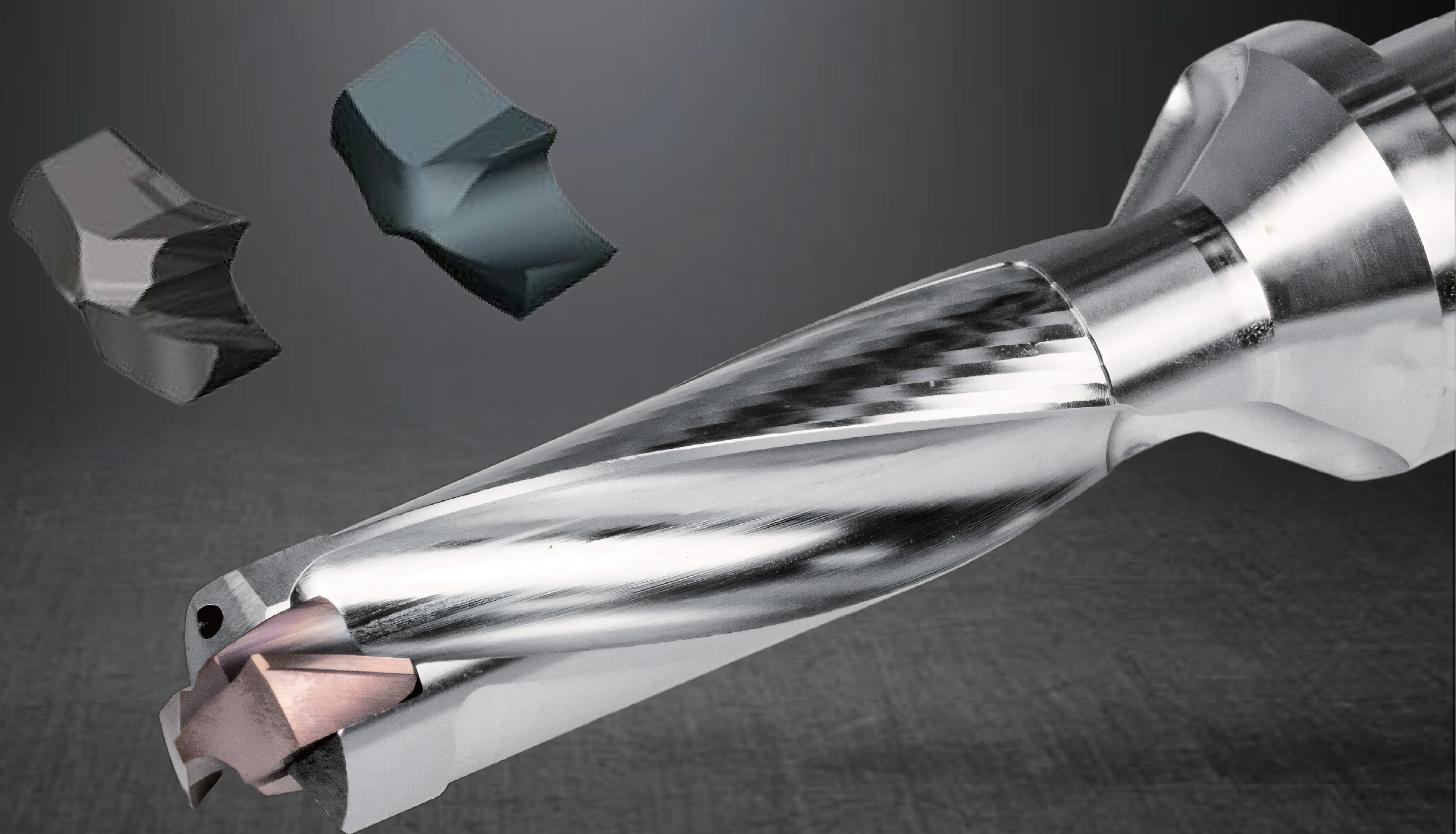
We are also one of the world's best supplier and manufacturer of cutting tools with full range of cutting tools. Products cover turning, grooving, milling, drilling and other processing methods. The main products are PCBN, PCD inserts, carbide inserts, gear cutting tools, and small boring tools, exchangeable drills bits, BTA drills and so on, We have advanced fully automated production equipment, presses, sintering furnaces, coating equipment and Mazak 5-axis CNC machine, Switzerland STUDER grinding machine for internal and external cylindrical grinding, Zoller tool detector, Swiss Alicona passivation testing equipment, German Zeiss CMM. In the production process, we inspect each process of the product to ensure the precision and accuracy of each product. In addition, we can also provide customized services and OEM services according to customer needs.

Our products are favored by customers all over the world, especially in Europe. North America, Asia and other countries with developed manufacturing industries. In the future, our goal is to continuously improve our technical level and product quality and create new markets. We hope that NIGEL's products can create value and competitiveness for you.



EXCHANGEABLE DRILLS SERIES

可换式钻头系列

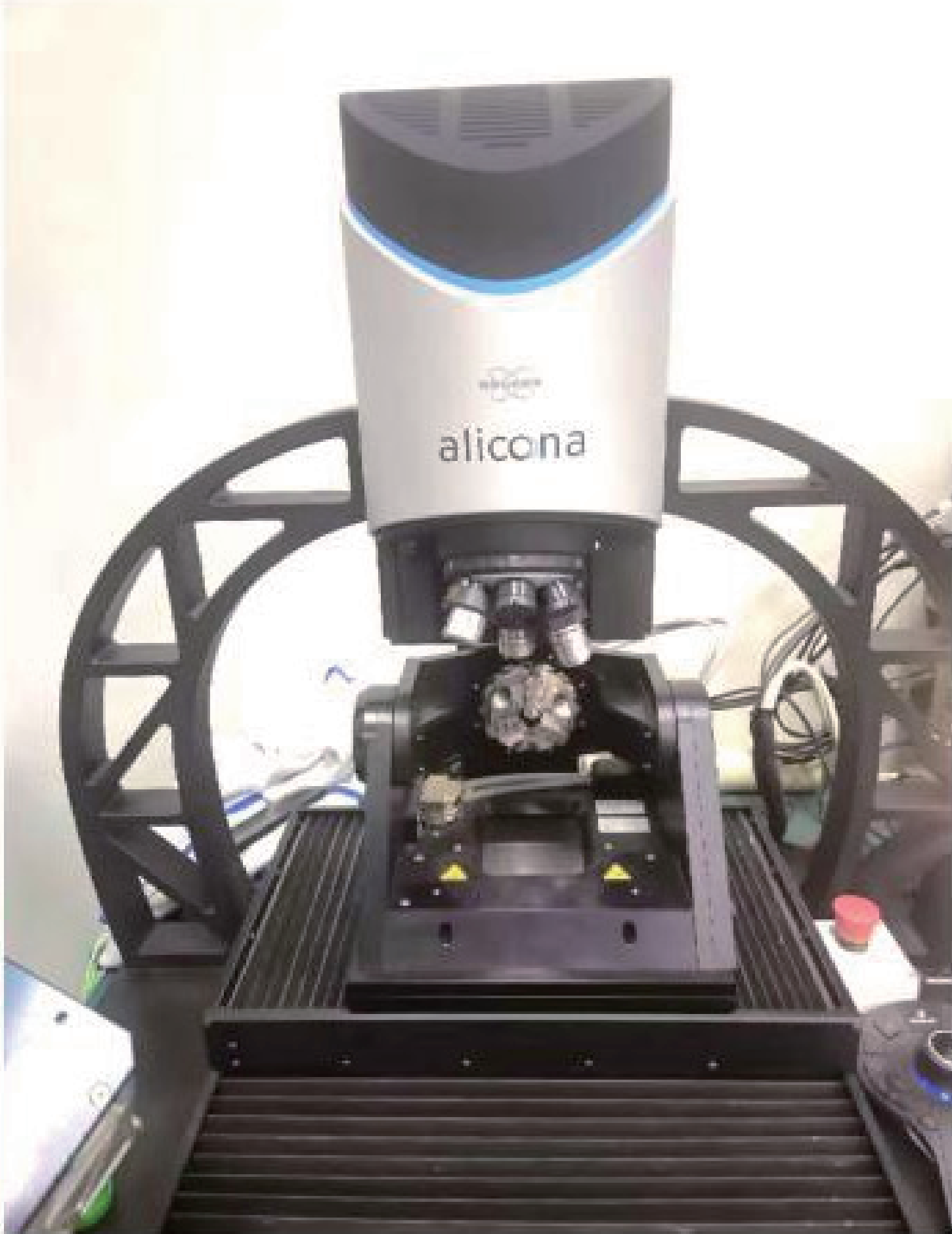


Manufacturing
Equipment

制造设备

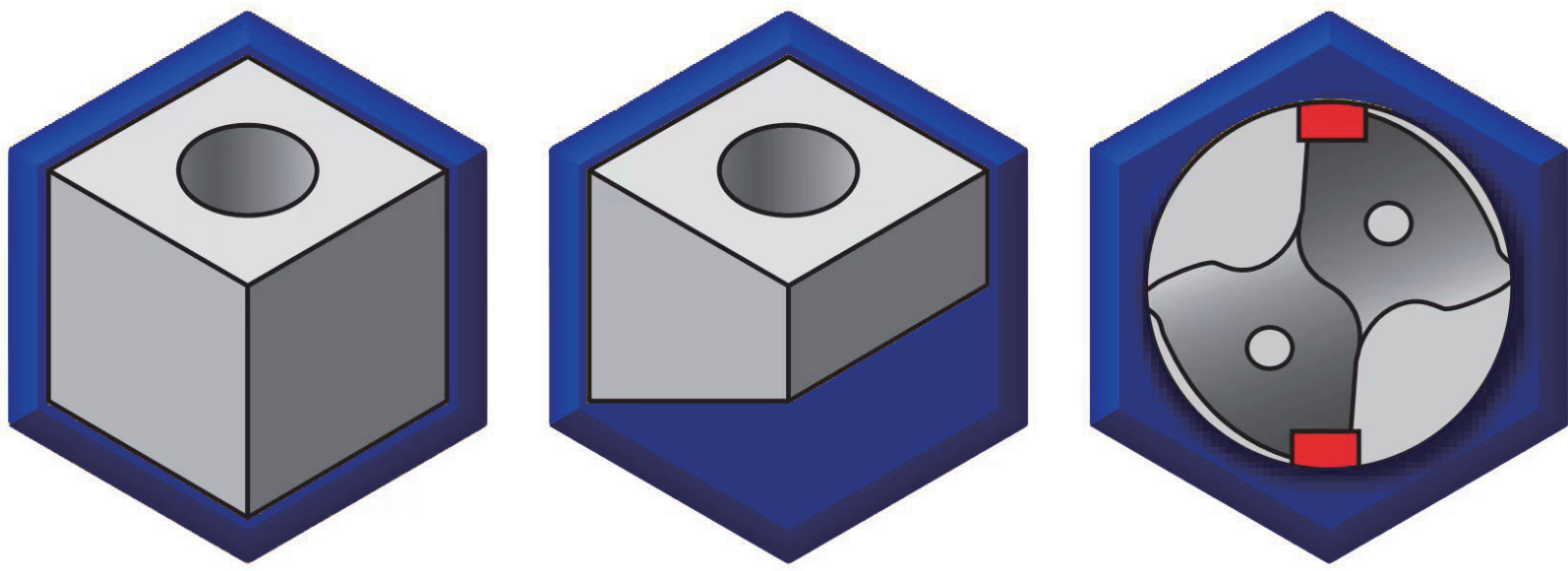


Inspection Equipment 检测设备



Drill Insert Grade Introduction

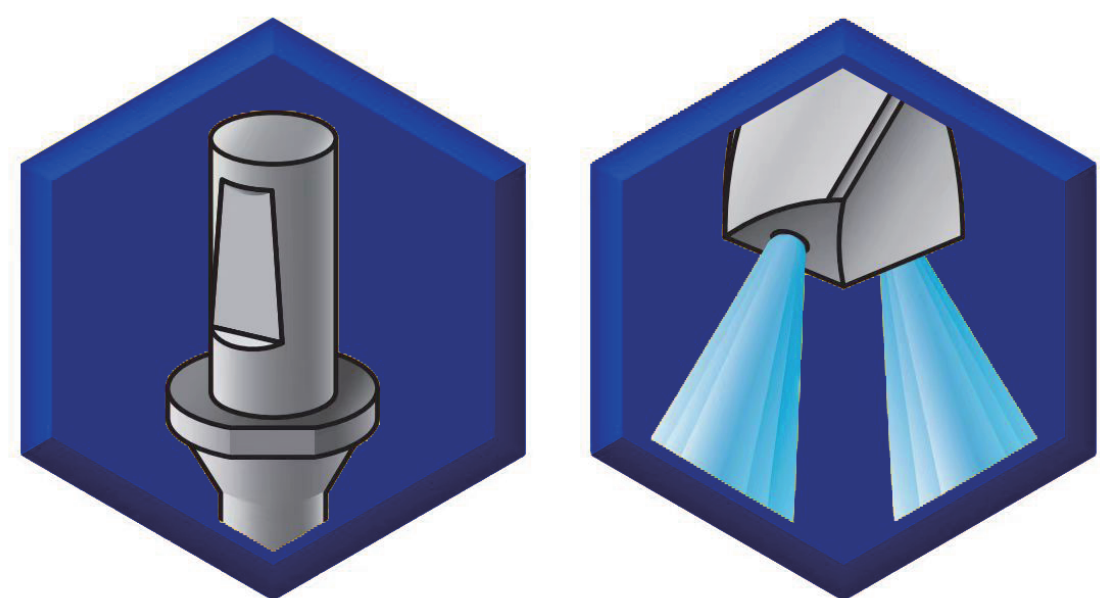
钻头材质介绍



Grade Code 材质编号	Introduction 描述	
N315	P	N315 grade is particularly suitable for carbon steel, high-alloy steel processing, and can also be used as an alternative for cast iron material processing(PVD Coating)
	K	N315材质特别适合碳钢和高合金钢加工，也可作为铸铁材料加工的替代品
N320	M	N320 grade is particularly suitable for processing stainless steel and hard-to-process materials(PVD Coating)
	S	N320材质特别适合加工不锈钢工件和难加工材料

Drills Holder Introduction

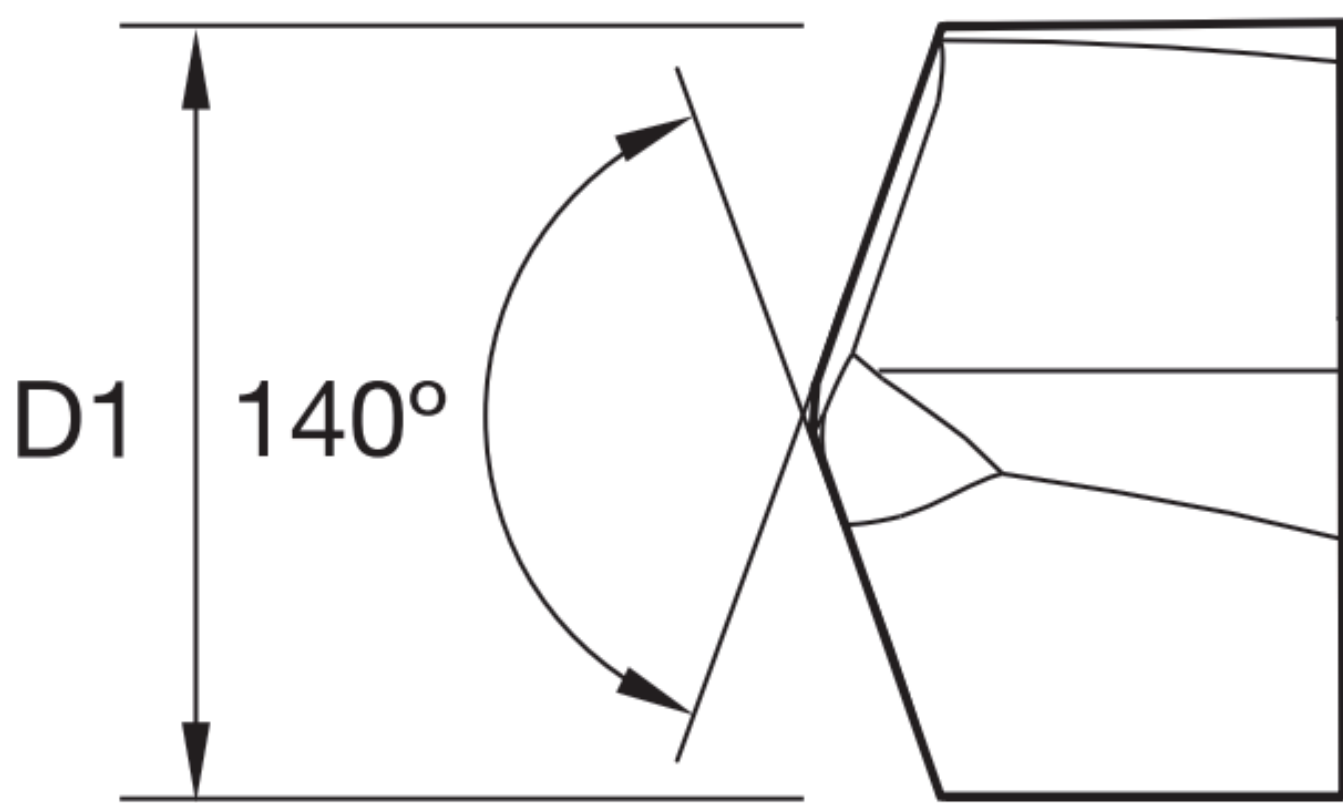
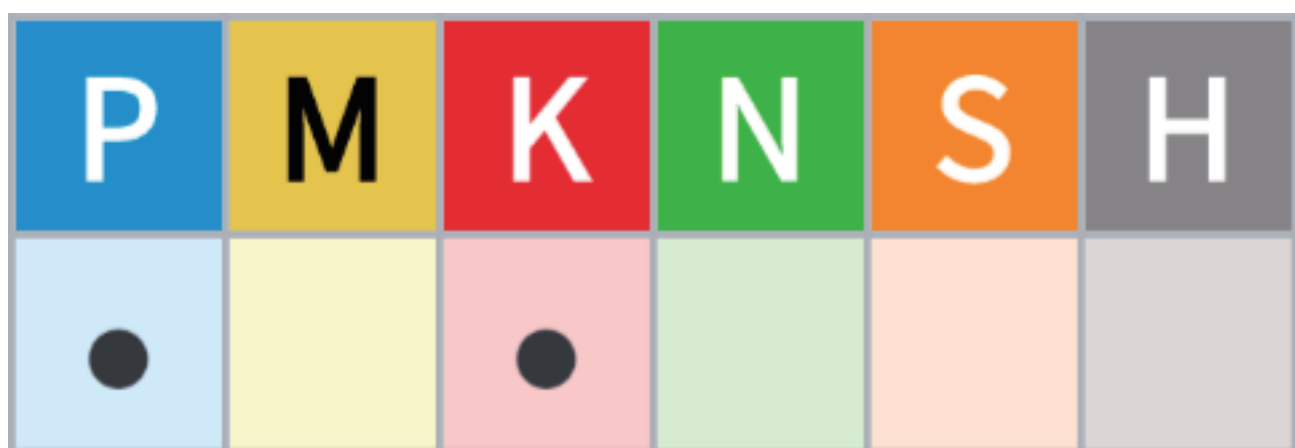
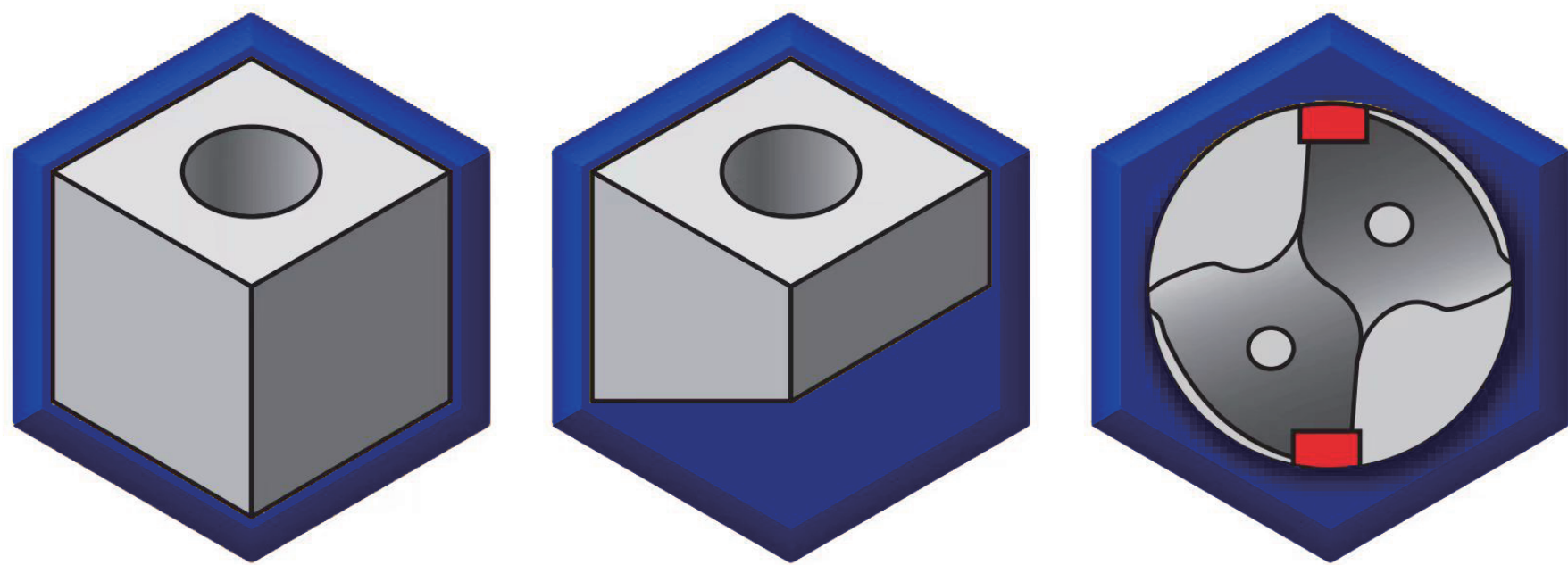
钻杆介绍



Times of diameter 直径倍数	Rotation direction 旋转方向	Depth 深度	AlTiN 表面涂层
D12.5–D40.0	R	Depth from 1D, 3D, 5D, 7D, 8D, 10D	Nickel plated surface layer

NKM.PGM Drill Series • Grade N315

NKM.PGM 钻头系列 • 材质N315

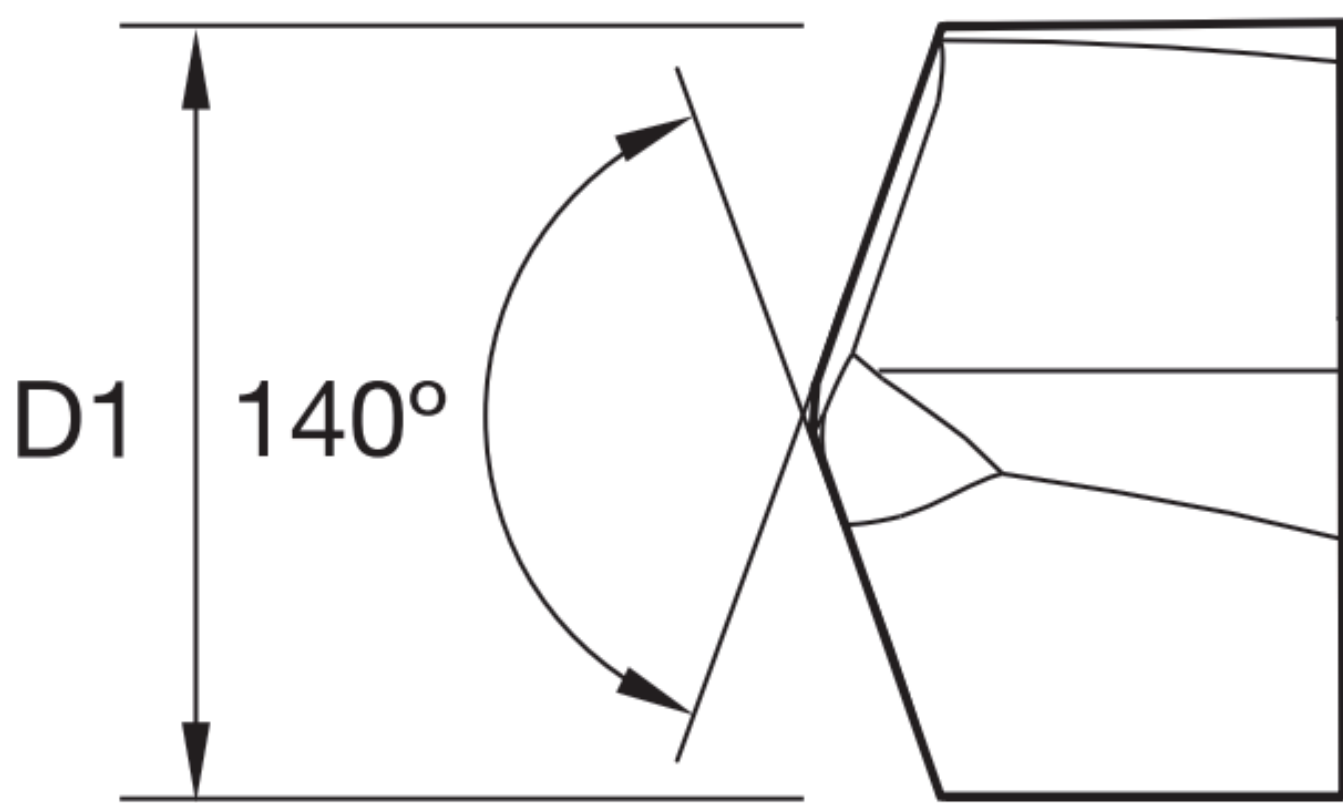
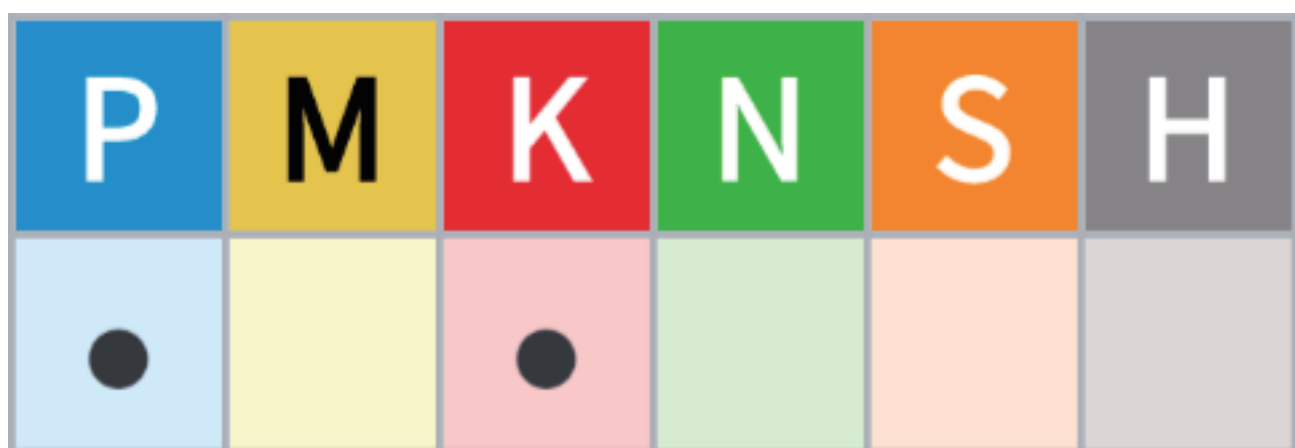
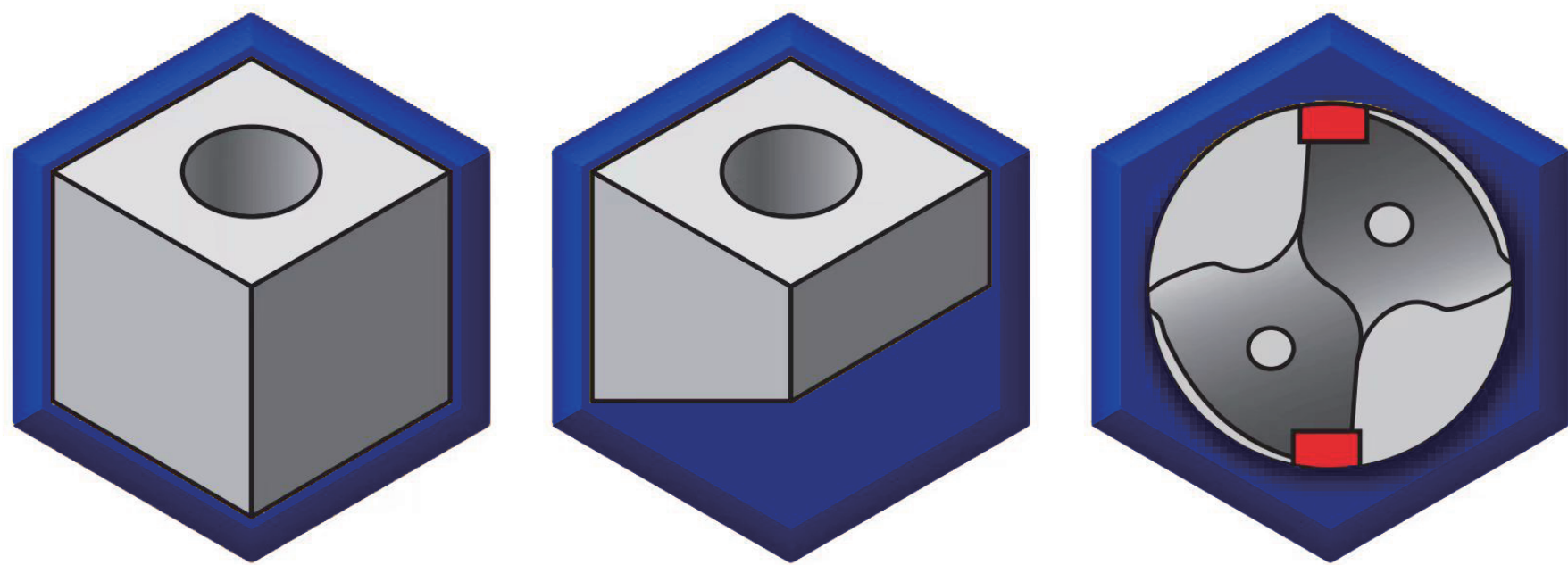


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1250.PGM	12.50	0.4921	C
NKM.1260.PGM	12.60	0.4961	C
NKM.1270.PGM	12.70	0.5000	C
NKM.1280.PGM	12.80	0.5039	C
NKM.1290.PGM	12.90	0.5079	C
NKM.1300.PGM	13.00	0.5118	C
NKM.1310.PGM	13.10	0.5160	C
NKM.1320.PGM	13.20	0.5197	C
NKM.1330.PGM	13.30	0.5236	C
NKM.1340.PGM	13.40	0.5276	C
NKM.1350.PGM	13.50	0.5310	C
NKM.1360.PGM	13.60	0.5354	B
NKM.1370.PGM	13.70	0.5394	B
NKM.1380.PGM	13.80	0.5433	B
NKM.1390.PGM	13.90	0.5472	B
NKM.1400.PGM	14.00	0.5512	B
NKM.1410.PGM	14.10	0.5551	B
NKM.1420.PGM	14.20	0.5591	B
NKM.1430.PGM	14.30	0.5630	B
NKM.1440.PGM	14.40	0.5669	B
NKM.1450.PGM	14.50	0.5709	B
NKM.1460.PGM	14.60	0.5748	A
NKM.1470.PGM	14.70	0.5787	A
NKM.1480.PGM	14.80	0.5827	A

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1490.PGM	14.90	0.5866	A
NKM.1500.PGM	15.00	0.5906	A
NKM.1510.PGM	15.10	0.5945	A
NKM.1520.PGM	15.20	0.5984	A
NKM.1530.PGM	15.30	0.6024	A
NKM.1540.PGM	15.40	0.6063	A
NKM.1550.PGM	15.50	0.6102	A
NKM.1560.PGM	15.60	0.6142	A
NKM.1570.PGM	15.70	0.6181	A
NKM.1580.PGM	15.80	0.6220	A
NKM.1590.PGM	15.90	0.6260	1
NKM.1600.PGM	16.00	0.6299	1
NKM.1610.PGM	16.10	0.6339	1
NKM.1620.PGM	16.20	0.6378	1
NKM.1630.PGM	16.30	0.6417	1
NKM.1640.PGM	16.40	0.6457	1
NKM.1650.PGM	16.50	0.6496	1
NKM.1660.PGM	16.60	0.6535	1
NKM.1670.PGM	16.70	0.6575	1
NKM.1680.PGM	16.80	0.6614	1
NKM.1690.PGM	16.90	0.6654	1
NKM.1700.PGM	17.00	0.6693	1
NKM.1710.PGM	17.10	0.6732	1
NKM.1720.PGM	17.20	0.6772	1

NKM.PGM Drill Series • Grade N315

NKM.PGM 钻头系列 • 材质N315

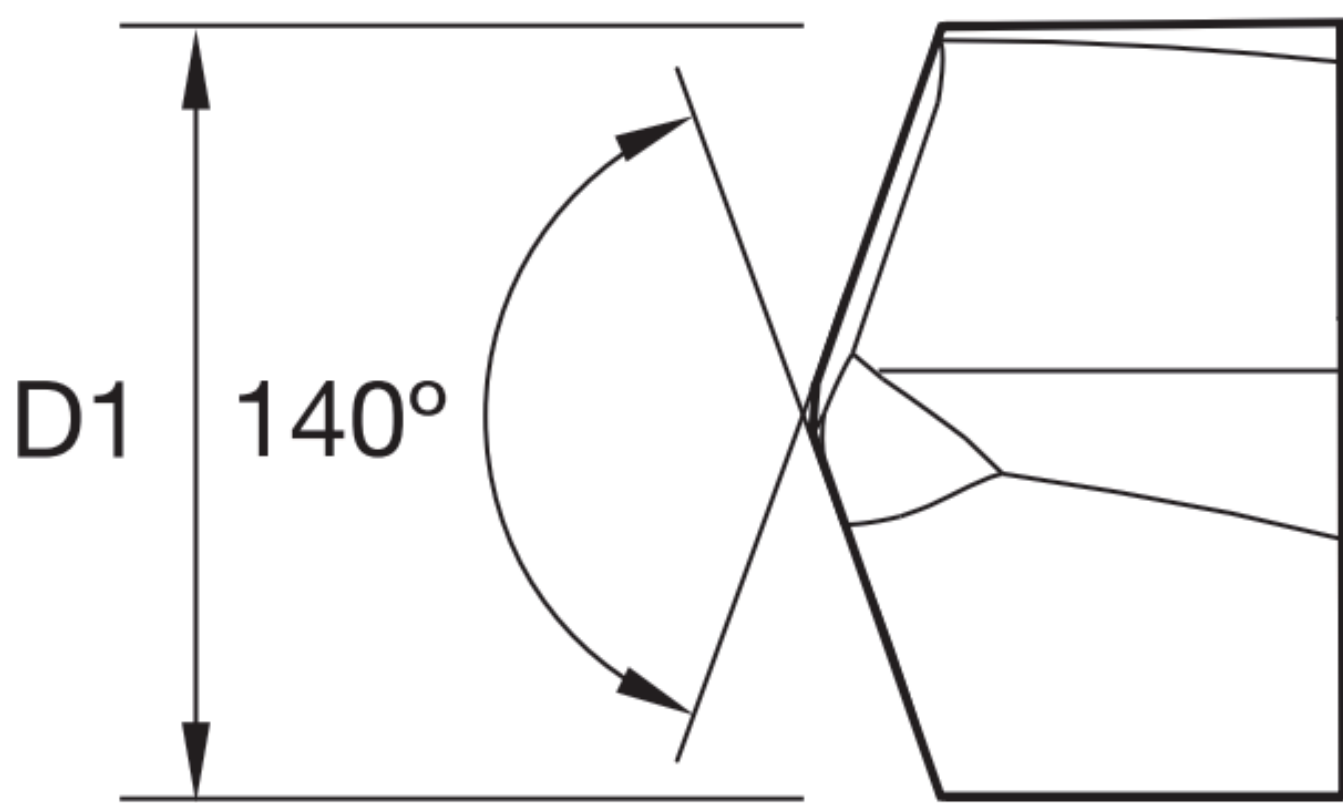
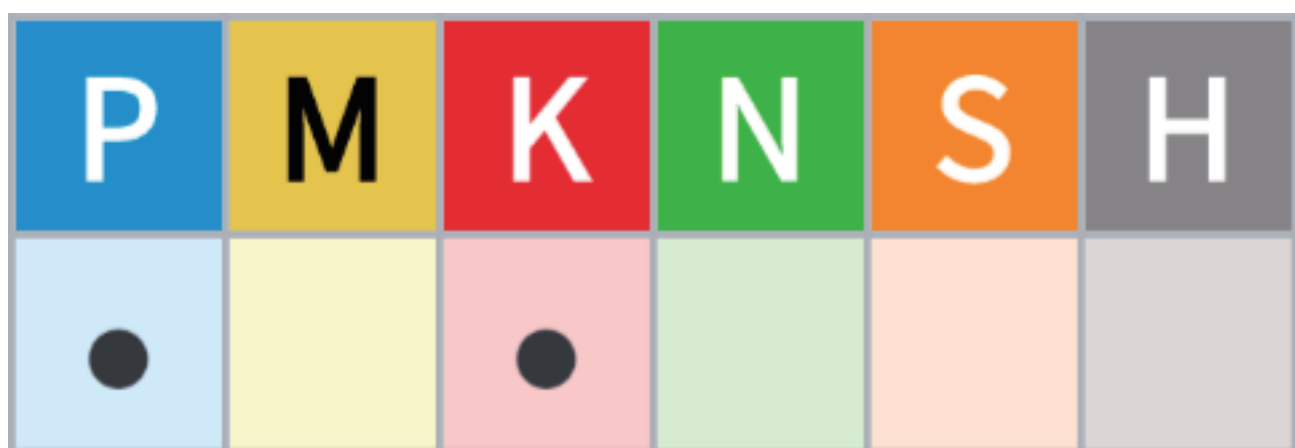
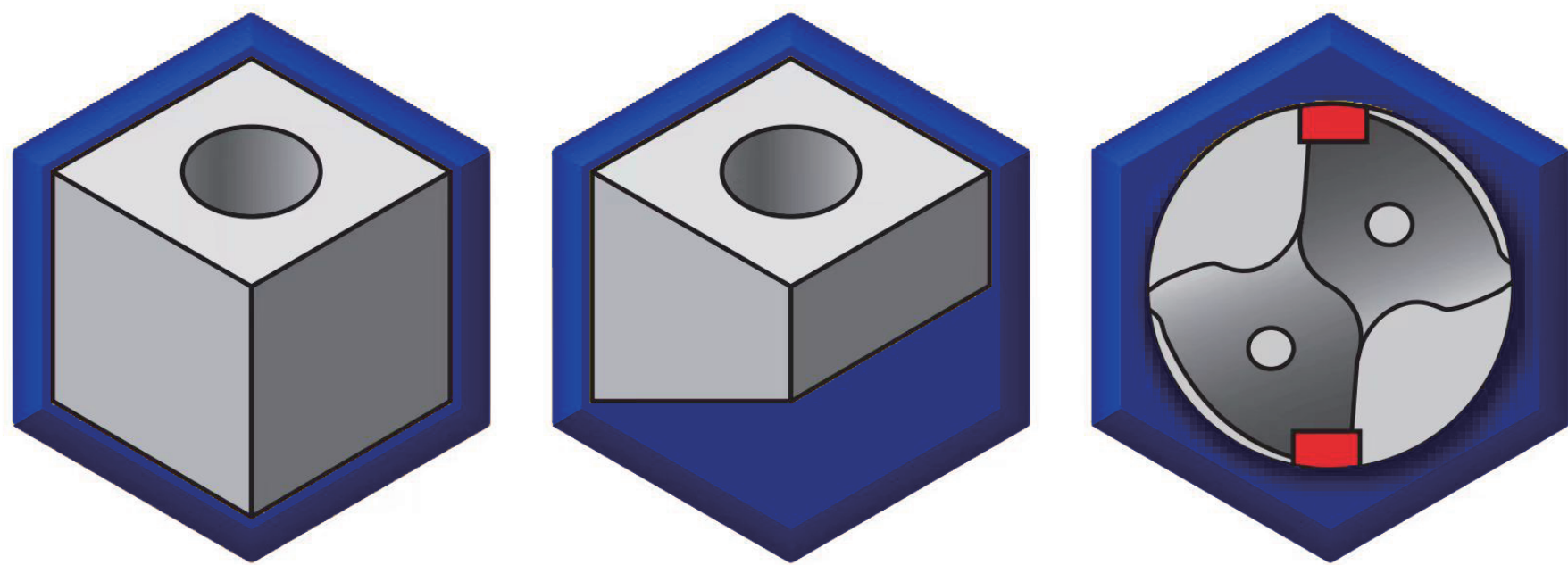


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1730.PGM	17.30	0.6811	1
NKM.1740.PGM	17.40	0.6850	1
NKM.1750.PGM	17.50	0.6890	1
NKM.1760.PGM	17.60	0.6929	1
NKM.1770.PGM	17.70	0.6969	1
NKM.1780.PGM	17.80	0.7008	1
NKM.1790.PGM	17.90	0.7047	1
NKM.1800.PGM	18.00	0.7087	1
NKM.1810.PGM	18.10	0.7126	2
NKM.1820.PGM	18.20	0.7165	2
NKM.1830.PGM	18.30	0.7205	2
NKM.1840.PGM	18.40	0.7244	2
NKM.1850.PGM	18.50	0.7283	2
NKM.1860.PGM	18.60	0.7323	2
NKM.1870.PGM	18.70	0.7362	2
NKM.1880.PGM	18.80	0.7402	2
NKM.1890.PGM	18.90	0.7441	2
NKM.1900.PGM	19.00	0.7480	2
NKM.1910.PGM	19.10	0.7520	2
NKM.1920.PGM	19.20	0.7559	2
NKM.1930.PGM	19.30	0.7598	2
NKM.1940.PGM	19.40	0.7638	2
NKM.1950.PGM	19.50	0.7677	2
NKM.1960.PGM	19.60	0.7717	2

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1970.PGM	19.70	0.7756	2
NKM.1980.PGM	19.80	0.7795	2
NKM.1990.PGM	19.90	0.7835	2
NKM.2000.PGM	20.00	0.7874	3
NKM.2010.PGM	20.10	0.7913	3
NKM.2020.PGM	20.20	0.7953	3
NKM.2030.PGM	20.30	0.7992	3
NKM.2040.PGM	20.40	0.8031	3
NKM.2050.PGM	20.50	0.8071	3
NKM.2060.PGM	20.60	0.8110	3
NKM.2070.PGM	20.70	0.8150	3
NKM.2080.PGM	20.80	0.8189	3
NKM.2090.PGM	20.90	0.8228	3
NKM.2100.PGM	21.00	0.8268	3
NKM.2110.PGM	21.10	0.8307	3
NKM.2120.PGM	21.20	0.8346	3
NKM.2130.PGM	21.30	0.8386	3
NKM.2140.PGM	21.40	0.8425	3
NKM.2150.PGM	21.50	0.8465	3
NKM.2160.PGM	21.60	0.8504	3
NKM.2170.PGM	21.70	0.8543	3
NKM.2180.PGM	21.80	0.8583	3
NKM.2190.PGM	21.90	0.8622	3
NKM.2200.PGM	22.00	0.8661	3

NKM.PGM Drill Series • Grade N315

NKM.PGM 钻头系列 • 材质N315

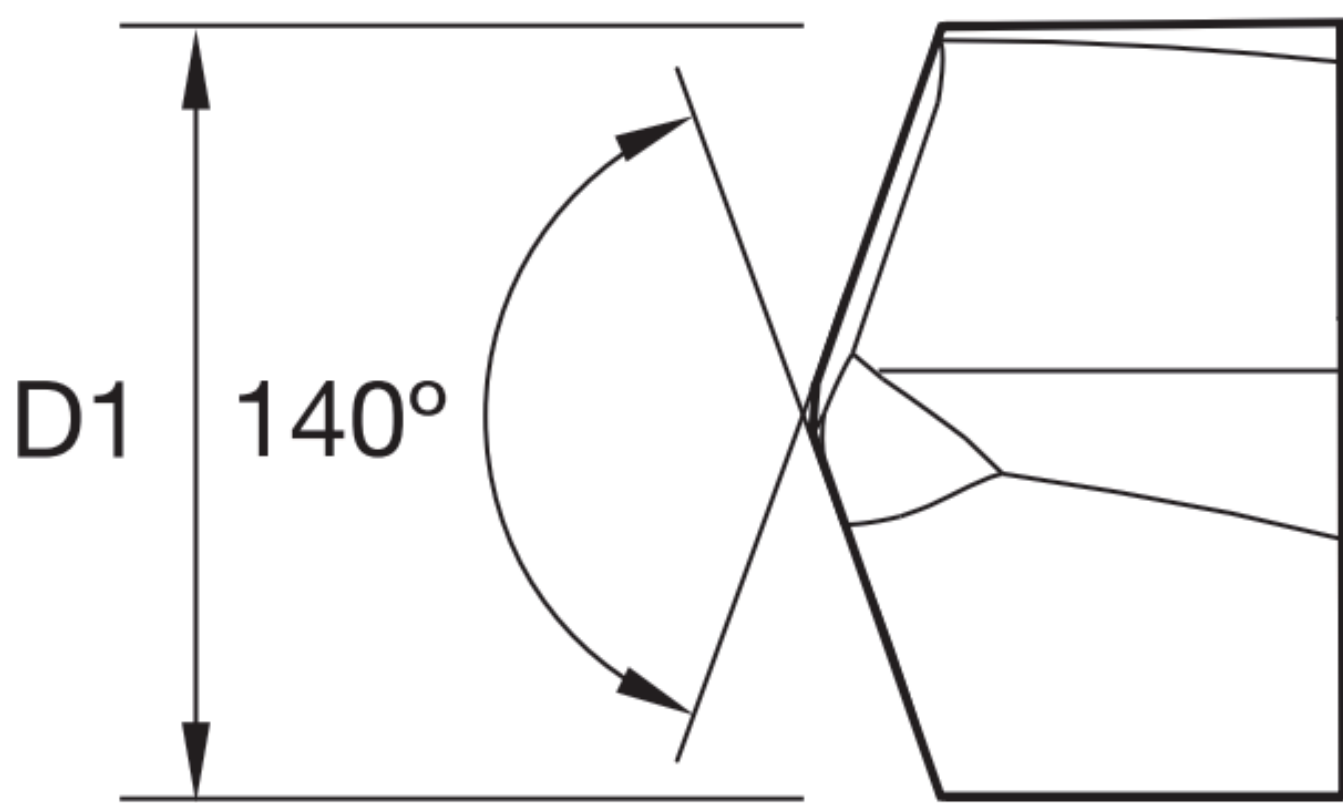
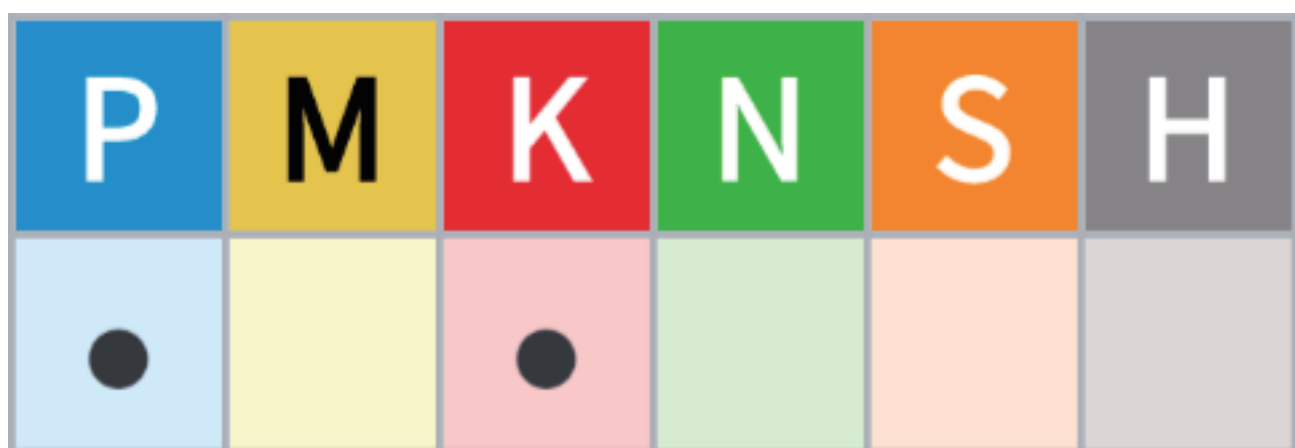
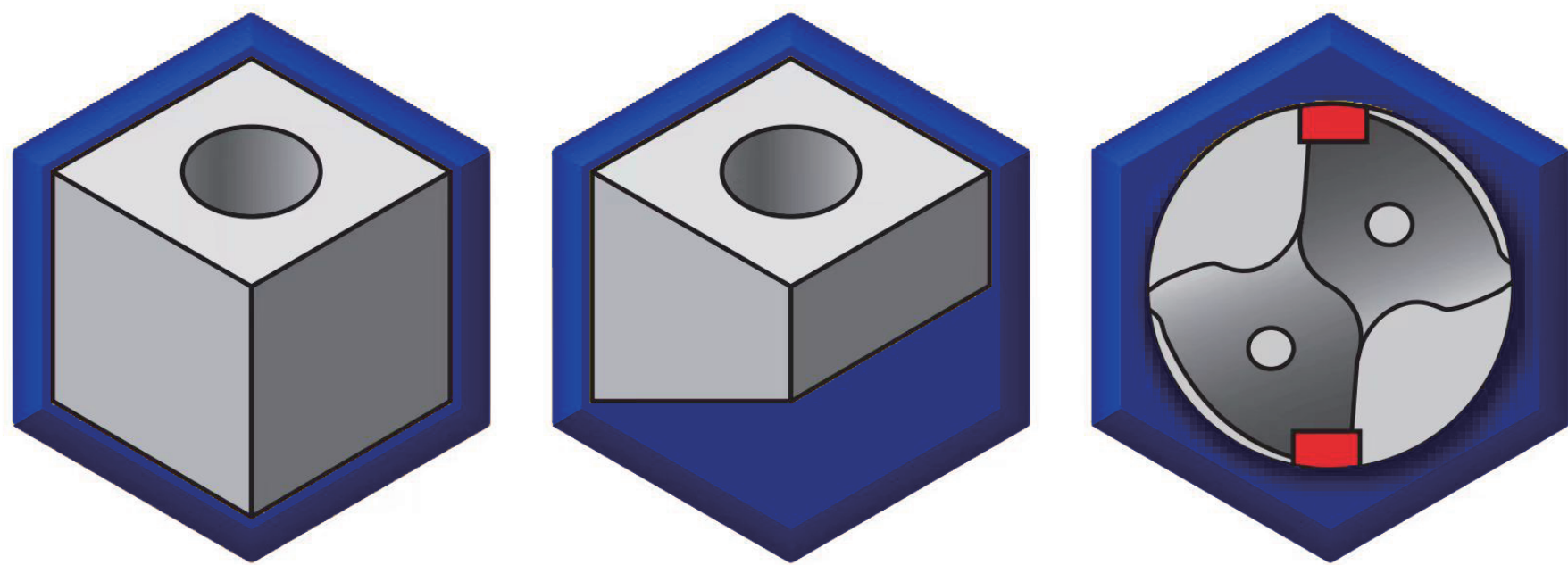


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2210.PGM	22.10	0.8701	4
NKM.2220.PGM	22.20	0.8740	4
NKM.2230.PGM	22.30	0.8780	4
NKM.2240.PGM	22.40	0.8819	4
NKM.2250.PGM	22.50	0.8858	4
NKM.2260.PGM	22.60	0.8898	4
NKM.2270.PGM	22.70	0.8937	4
NKM.2280.PGM	22.80	0.8976	4
NKM.2290.PGM	22.90	0.9016	4
NKM.2300.PGM	23.00	0.9055	4
NKM.2310.PGM	23.10	0.9094	4
NKM.2320.PGM	23.20	0.9134	4
NKM.2330.PGM	23.30	0.9173	4
NKM.2340.PGM	23.40	0.9213	4
NKM.2350.PGM	23.50	0.9252	4
NKM.2360.PGM	23.60	0.9291	4
NKM.2370.PGM	23.70	0.9331	4
NKM.2380.PGM	23.80	0.9370	4
NKM.2390.PGM	23.90	0.9409	4
NKM.2400.PGM	24.00	0.9449	4
NKM.2410.PGM	24.10	0.9488	5
NKM.2420.PGM	24.20	0.9528	5
NKM.2430.PGM	24.30	0.9567	5
NKM.2440.PGM	24.40	0.9606	5

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2450.PGM	24.50	0.9646	5
NKM.2460.PGM	24.60	0.9685	5
NKM.2470.PGM	24.70	0.9724	5
NKM.2480.PGM	24.80	0.9764	5
NKM.2490.PGM	24.90	0.9803	5
NKM.2500.PGM	25.00	0.9843	5
NKM.2510.PGM	25.10	0.9882	5
NKM.2520.PGM	25.20	0.9921	5
NKM.2530.PGM	25.30	0.9961	5
NKM.2540.PGM	25.40	1.0000	5
NKM.2550.PGM	25.50	1.0039	5
NKM.2560.PGM	25.60	1.0079	5
NKM.2570.PGM	25.70	1.0118	5
NKM.2580.PGM	25.80	1.0157	5
NKM.2590.PGM	25.90	1.0197	5
NKM.2600.PGM	26.00	1.0236	5
NKM.2610.PGM	26.10	1.0276	6
NKM.2620.PGM	26.20	1.0315	6
NKM.2630.PGM	26.30	1.0354	6
NKM.2640.PGM	26.40	1.0394	6
NKM.2650.PGM	26.50	1.0433	6
NKM.2660.PGM	26.60	1.0472	6
NKM.2670.PGM	26.70	1.0512	6
NKM.2680.PGM	26.80	1.0551	6

NKM.PGM Drill Series • Grade N315

NKM.PGM 钻头系列 • 材质N315

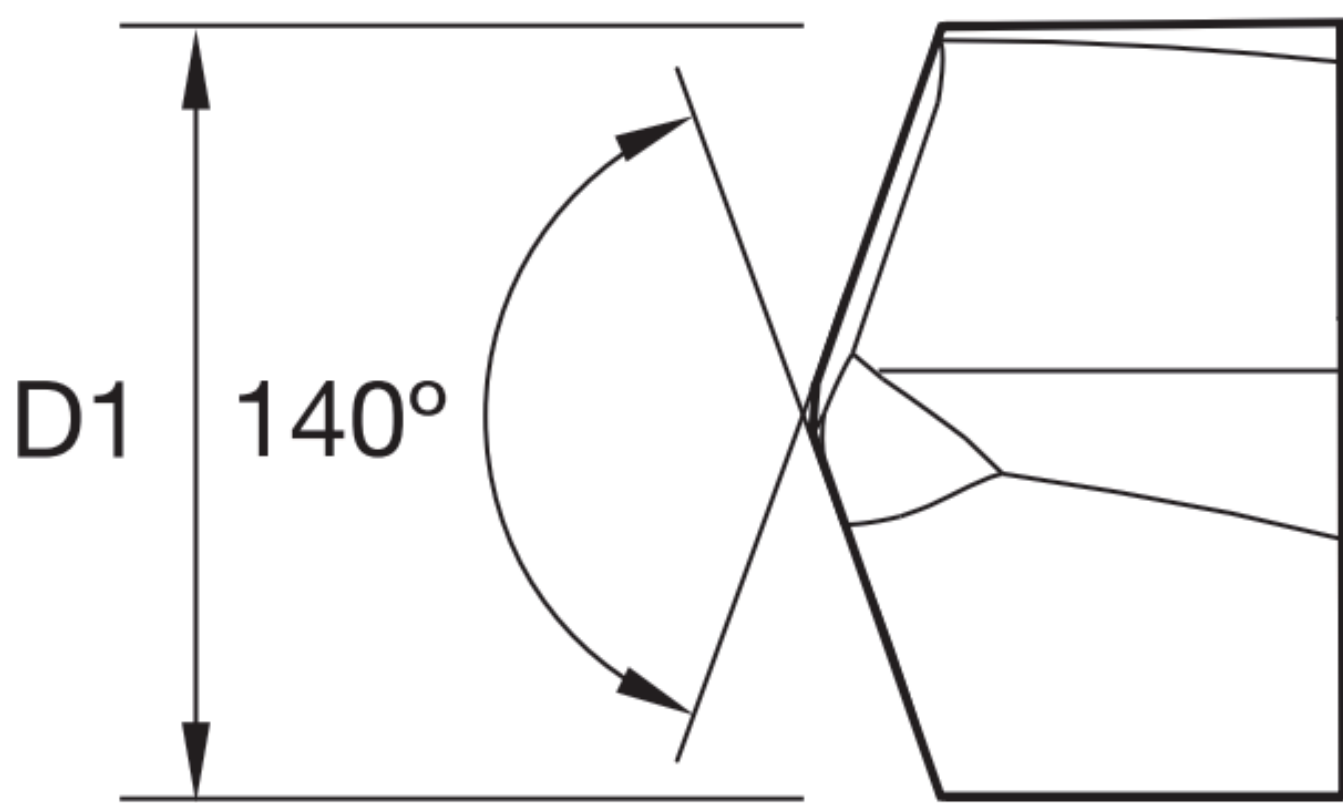
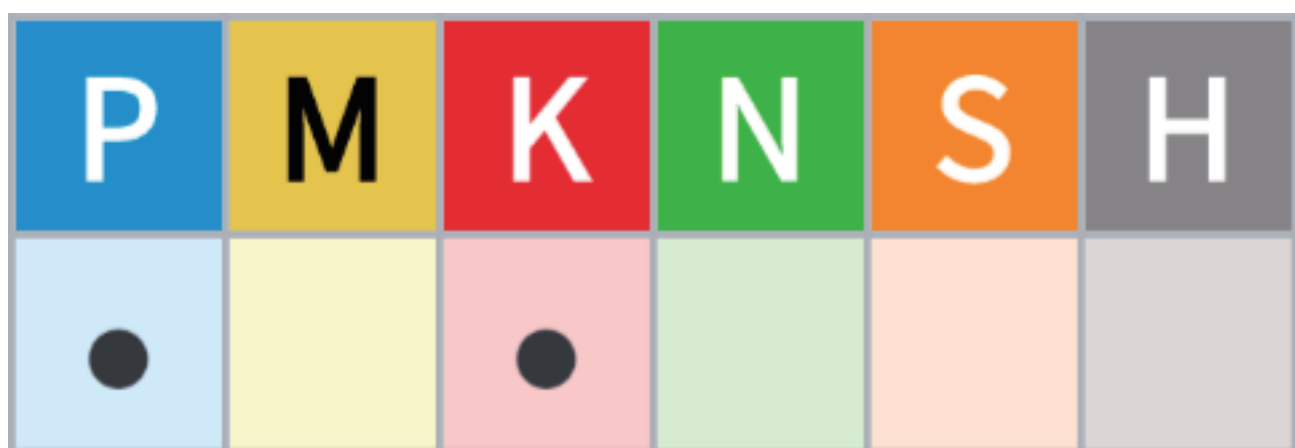
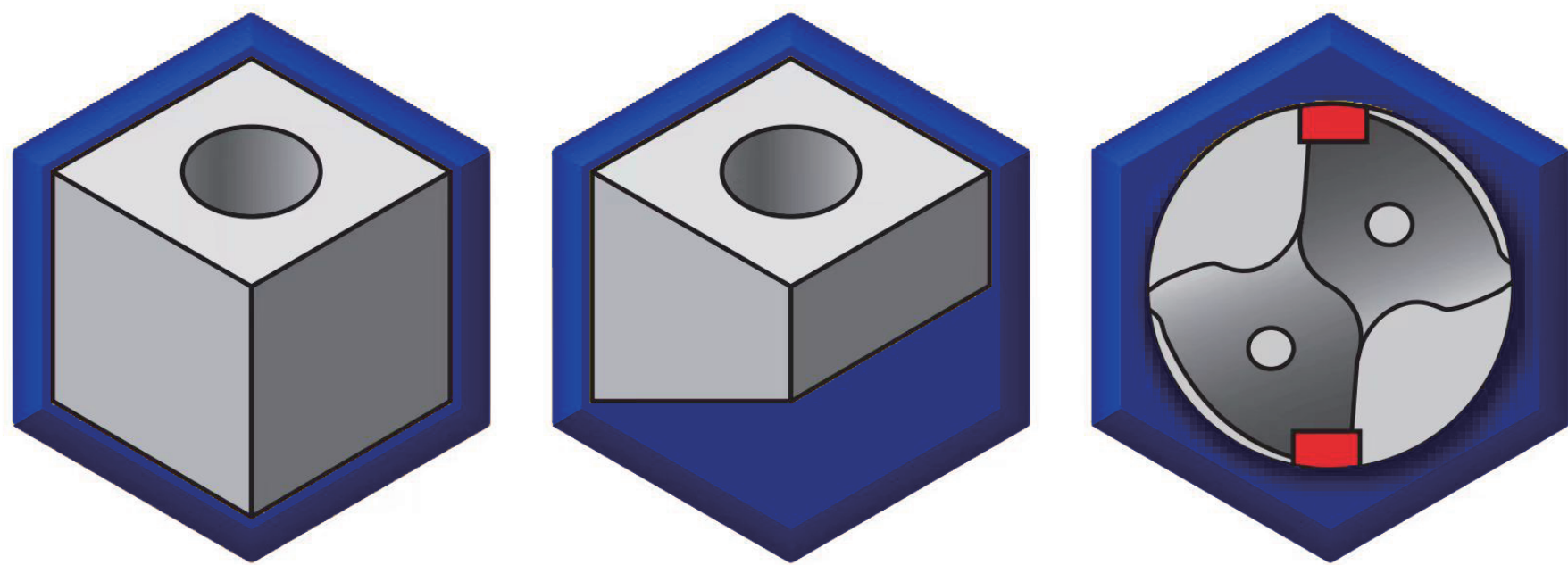


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2690.PGM	26.90	1.0591	6
NKM.2700.PGM	27.00	1.0630	6
NKM.2710.PGM	27.10	1.0669	6
NKM.2720.PGM	27.20	1.0709	6
NKM.2730.PGM	27.30	1.0748	6
NKM.2740.PGM	27.40	1.0787	6
NKM.2750.PGM	27.50	1.0827	6
NKM.2760.PGM	27.60	1.0866	6
NKM.2770.PGM	27.70	1.0906	6
NKM.2780.PGM	27.80	1.0945	6
NKM.2790.PGM	27.90	1.0984	6
NKM.2800.PGM	28.00	1.1024	6
NKM.2810.PGM	28.10	1.1063	7
NKM.2820.PGM	28.20	1.1102	7
NKM.2830.PGM	28.30	1.1142	7
NKM.2840.PGM	28.40	1.1181	7
NKM.2850.PGM	28.50	1.1220	7
NKM.2860.PGM	28.60	1.1260	7
NKM.2870.PGM	28.70	1.1299	7
NKM.2880.PGM	28.80	1.1339	7
NKM.2890.PGM	28.90	1.1378	7
NKM.2900.PGM	29.00	1.1417	7
NKM.2910.PGM	29.10	1.1457	7
NKM.2920.PGM	29.20	1.1496	7

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2930.PGM	29.30	1.1535	7
NKM.2940.PGM	29.40	1.1575	7
NKM.2950.PGM	29.50	1.1614	7
NKM.2960.PGM	29.60	1.1654	7
NKM.2970.PGM	29.70	1.1693	7
NKM.2980.PGM	29.80	1.1732	7
NKM.2990.PGM	29.90	1.1772	7
NKM.3000.PGM	30.00	1.1811	7
NKM.3010.PGM	30.10	1.1850	8
NKM.3020.PGM	30.20	1.1890	8
NKM.3030.PGM	30.30	1.1929	8
NKM.3040.PGM	30.40	1.1969	8
NKM.3050.PGM	30.50	1.2008	8
NKM.3060.PGM	30.60	1.2047	8
NKM.3070.PGM	30.70	1.2087	8
NKM.3080.PGM	30.80	1.2126	8
NKM.3090.PGM	30.90	1.2165	8
NKM.3100.PGM	31.00	1.2205	8
NKM.3110.PGM	31.10	1.2244	8
NKM.3120.PGM	31.20	1.2283	8
NKM.3130.PGM	31.30	1.2323	8
NKM.3140.PGM	31.40	1.2362	8
NKM.3150.PGM	31.50	1.2402	8
NKM.3160.PGM	31.60	1.2441	8

NKM.PGM Drill Series • Grade N315

NKM.PGM 钻头系列 • 材质N315

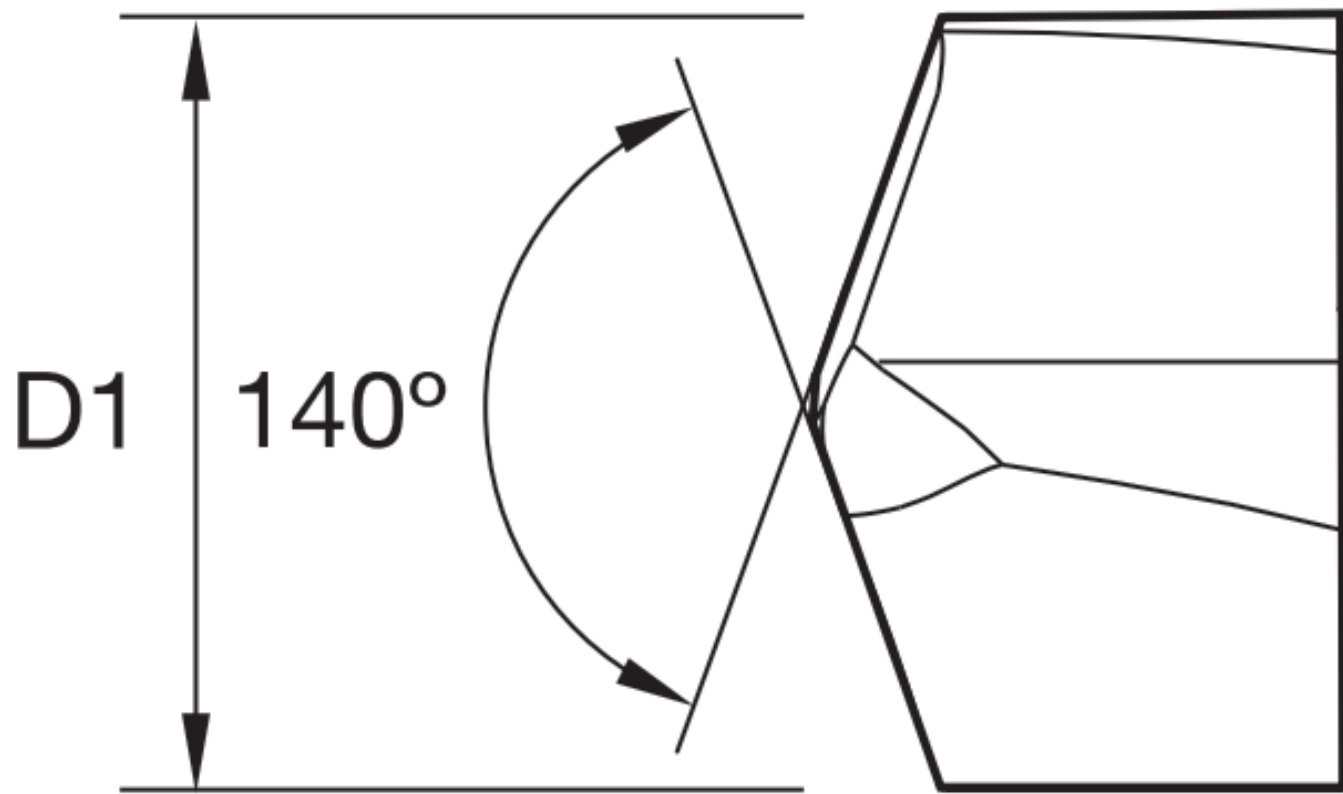
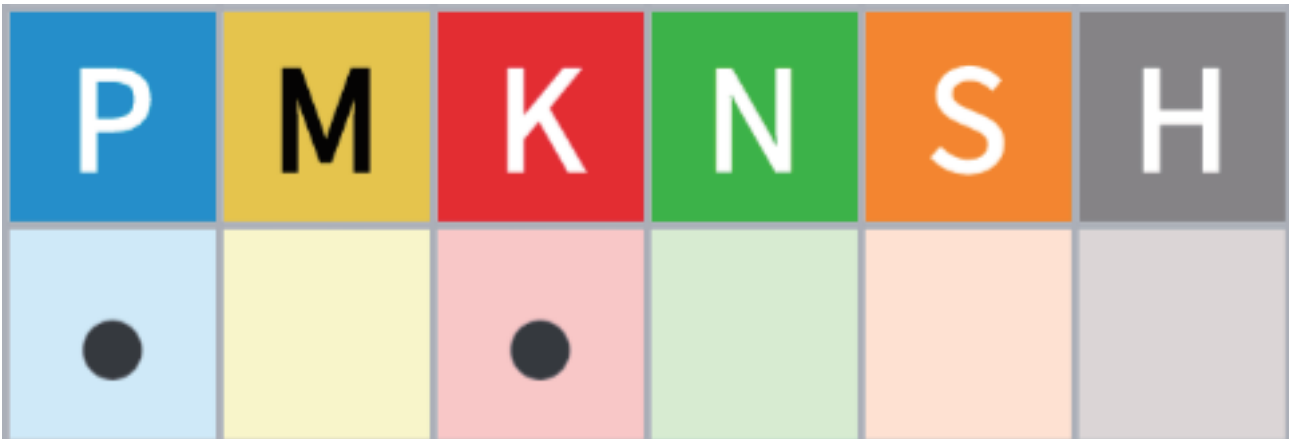
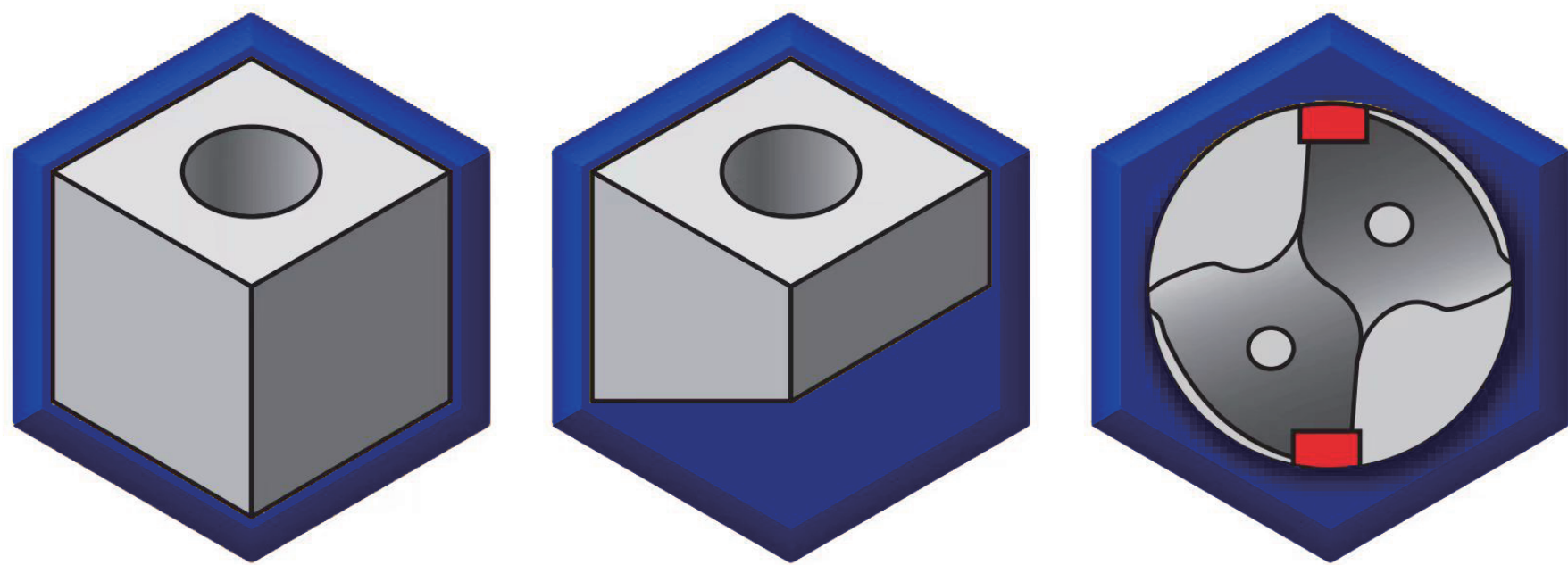


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3170.PGM	31.70	1.2480	8
NKM.3180.PGM	31.80	1.2520	8
NKM.3190.PGM	31.90	1.2559	8
NKM.3200.PGM	32.00	1.2598	8
NKM.3210.PGM	32.10	1.2638	9
NKM.3220.PGM	32.20	1.2677	9
NKM.3230.PGM	32.30	1.2717	9
NKM.3240.PGM	32.40	1.2756	9
NKM.3250.PGM	32.50	1.2795	9
NKM.3260.PGM	32.60	1.2835	9
NKM.3270.PGM	32.70	1.2874	9
NKM.3280.PGM	32.80	1.2913	9
NKM.3290.PGM	32.90	1.2953	9
NKM.3300.PGM	33.00	1.2992	9
NKM.3310.PGM	33.10	1.3031	9
NKM.3320.PGM	33.20	1.3071	9
NKM.3330.PGM	33.30	1.3110	9
NKM.3340.PGM	33.40	1.3150	9
NKM.3350.PGM	33.50	1.3189	9
NKM.3360.PGM	33.60	1.3228	9
NKM.3370.PGM	33.70	1.3268	9
NKM.3380.PGM	33.80	1.3307	9
NKM.3390.PGM	33.90	1.3346	9
NKM.3400.PGM	34.00	1.3386	9

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3410.PGM	34.10	1.3425	9
NKM.3420.PGM	34.20	1.3465	9
NKM.3430.PGM	34.30	1.3504	9
NKM.3440.PGM	34.40	1.3543	9
NKM.3450.PGM	34.50	1.3583	9
NKM.3460.PGM	34.60	1.3622	9
NKM.3470.PGM	34.70	1.3661	9
NKM.3480.PGM	34.80	1.3701	9
NKM.3490.PGM	34.90	1.3740	9
NKM.3500.PGM	35.00	1.3780	9
NKM.3510.PGM	35.10	1.3819	9
NKM.3520.PGM	35.20	1.3858	9
NKM.3530.PGM	35.30	1.3898	9
NKM.3540.PGM	35.40	1.3937	9
NKM.3550.PGM	35.50	1.3976	9
NKM.3560.PGM	35.60	1.4016	9
NKM.3570.PGM	35.70	1.4055	9
NKM.3580.PGM	35.80	1.4094	9
NKM.3590.PGM	35.90	1.4134	9
NKM.3600.PGM	36.00	1.4173	9
NKM.3610.PGM	36.10	1.4213	10
NKM.3620.PGM	36.20	1.4252	10
NKM.3630.PGM	36.30	1.4291	10
NKM.3640.PGM	36.40	1.4331	10

NKM.PGM Drill Series • Grade N315

NKM.PGM 钻头系列 • 材质N315



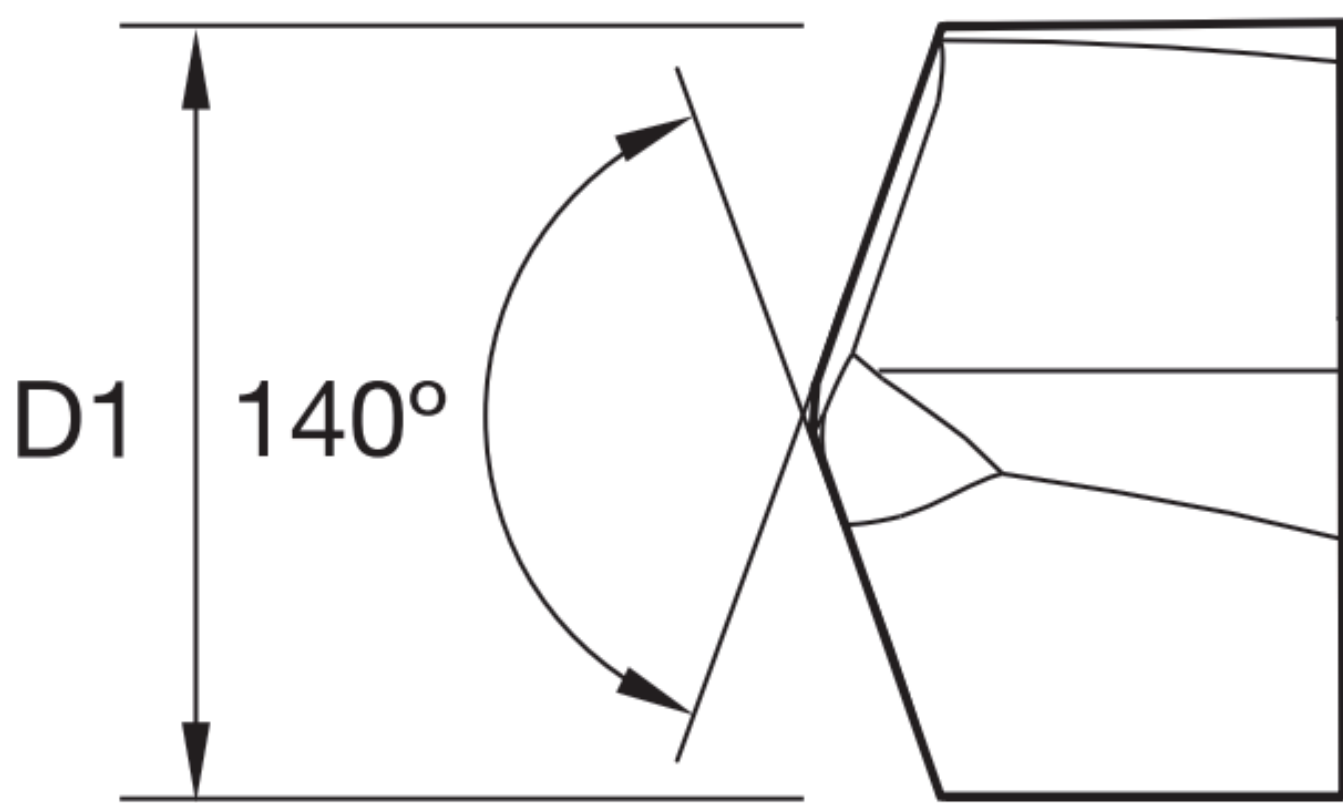
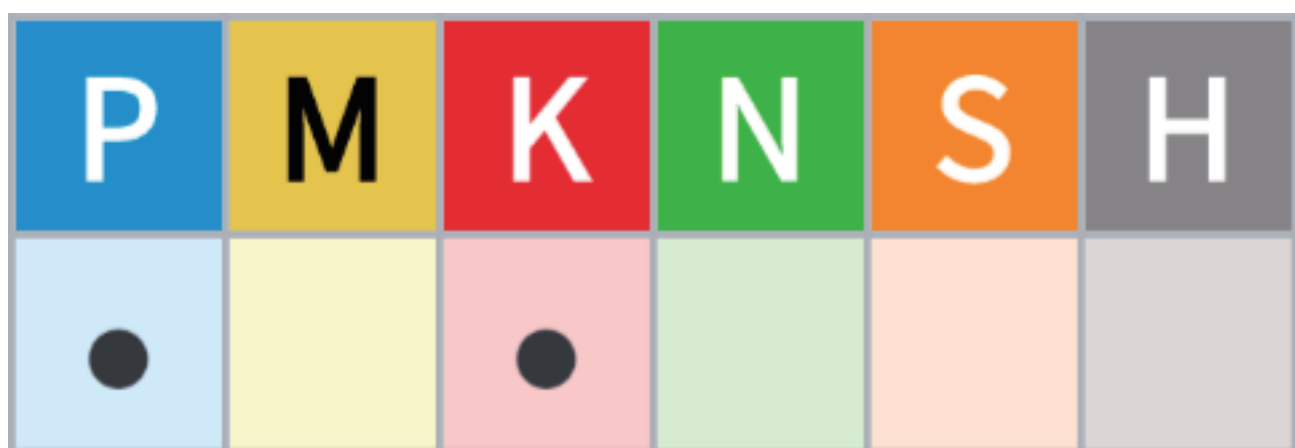
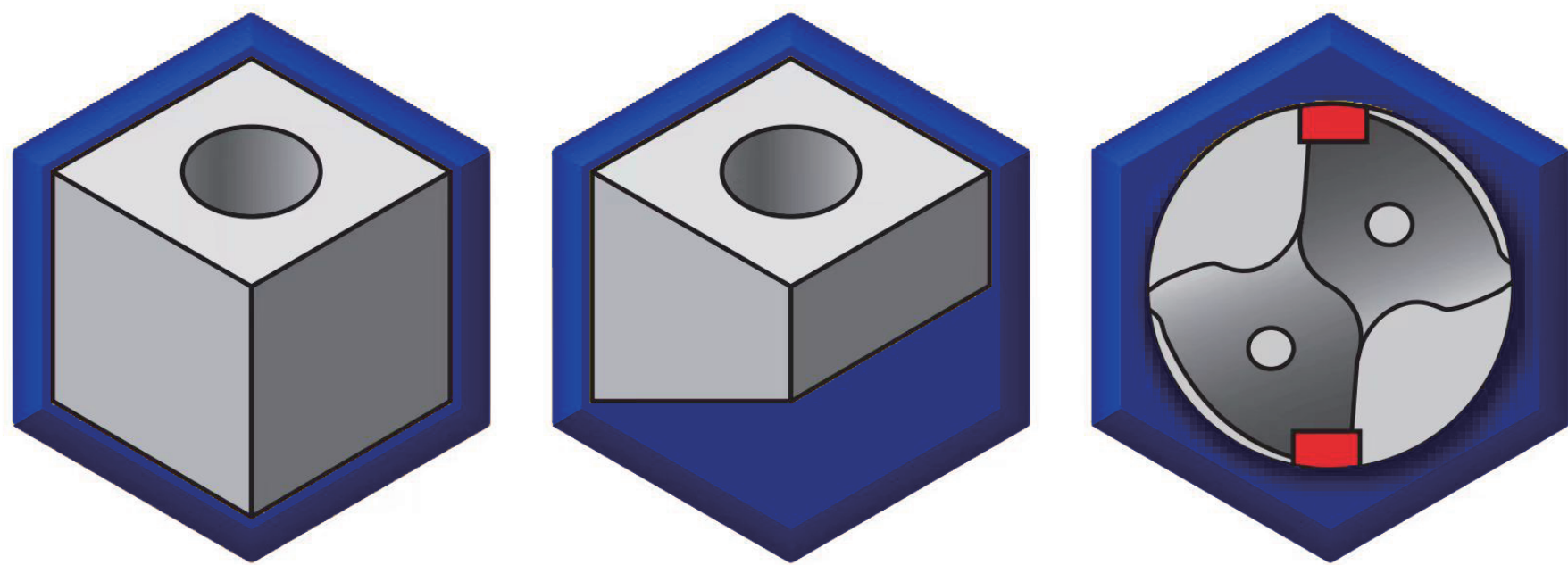
No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3650.PGM	36.50	1.4370	10
NKM.3660.PGM	36.60	1.4409	10
NKM.3670.PGM	36.70	1.4449	10
NKM.3680.PGM	36.80	1.4488	10
NKM.3690.PGM	36.90	1.4528	10
NKM.3700.PGM	37.00	1.4567	10
NKM.3710.PGM	37.10	1.4606	10
NKM.3720.PGM	37.20	1.4646	10
NKM.3730.PGM	37.30	1.4685	10
NKM.3740.PGM	37.40	1.4724	10
NKM.3750.PGM	37.50	1.4764	10
NKM.3760.PGM	37.60	1.4803	10
NKM.3770.PGM	37.70	1.4843	10
NKM.3780.PGM	37.80	1.4882	10
NKM.3790.PGM	37.90	1.4921	10
NKM.3800.PGM	38.00	1.4961	10
NKM.3810.PGM	38.10	1.5000	10
NKM.3820.PGM	38.20	1.5039	10
NKM.3830.PGM	38.30	1.5079	10
NKM.3840.PGM	38.40	1.5118	10

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3850.PGM	38.50	1.5157	10
NKM.3860.PGM	38.60	1.5197	10
NKM.3870.PGM	38.70	1.5236	10
NKM.3880.PGM	38.80	1.5276	10
NKM.3890.PGM	38.90	1.5315	10
NKM.3900.PGM	39.00	1.5354	10
NKM.3910.PGM	39.10	1.5394	10
NKM.3920.PGM	39.20	1.5433	10
NKM.3930.PGM	39.30	1.5472	10
NKM.3940.PGM	39.40	1.5512	10
NKM.3950.PGM	39.50	1.5551	10
NKM.3960.PGM	39.60	1.5591	10
NKM.3970.PGM	39.70	1.5630	10
NKM.3980.PGM	39.80	1.5669	10
NKM.3990.PGM	39.90	1.5709	10
NKM.4000.PGM	40.00	1.5748	10

D1 Metrisch D1公制	Tolerances h8 公差/h8
12.5–18.0	+0.000/-0.027
>18–30	+0.000/-0.033
>30–40	+0.000/-0.039

NKM.PGM Drill Series • Grade N315

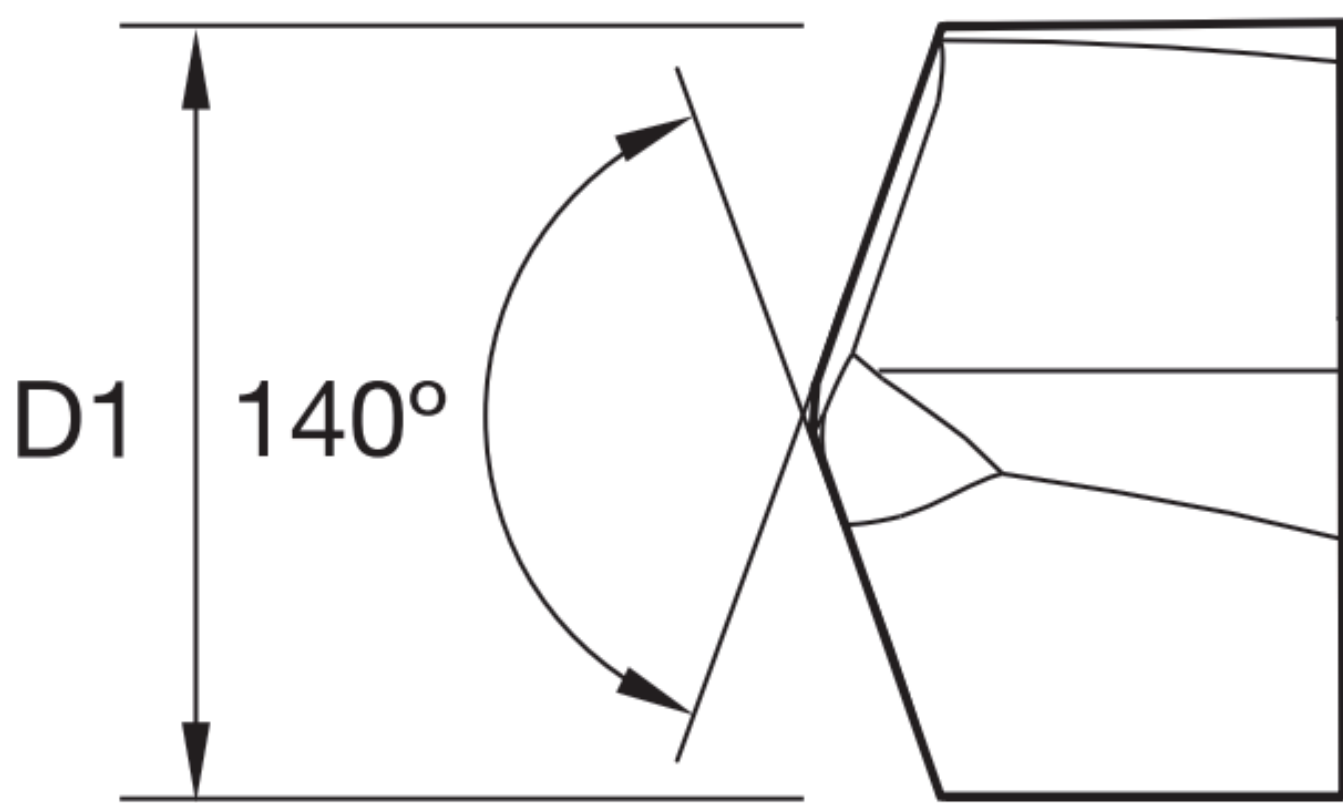
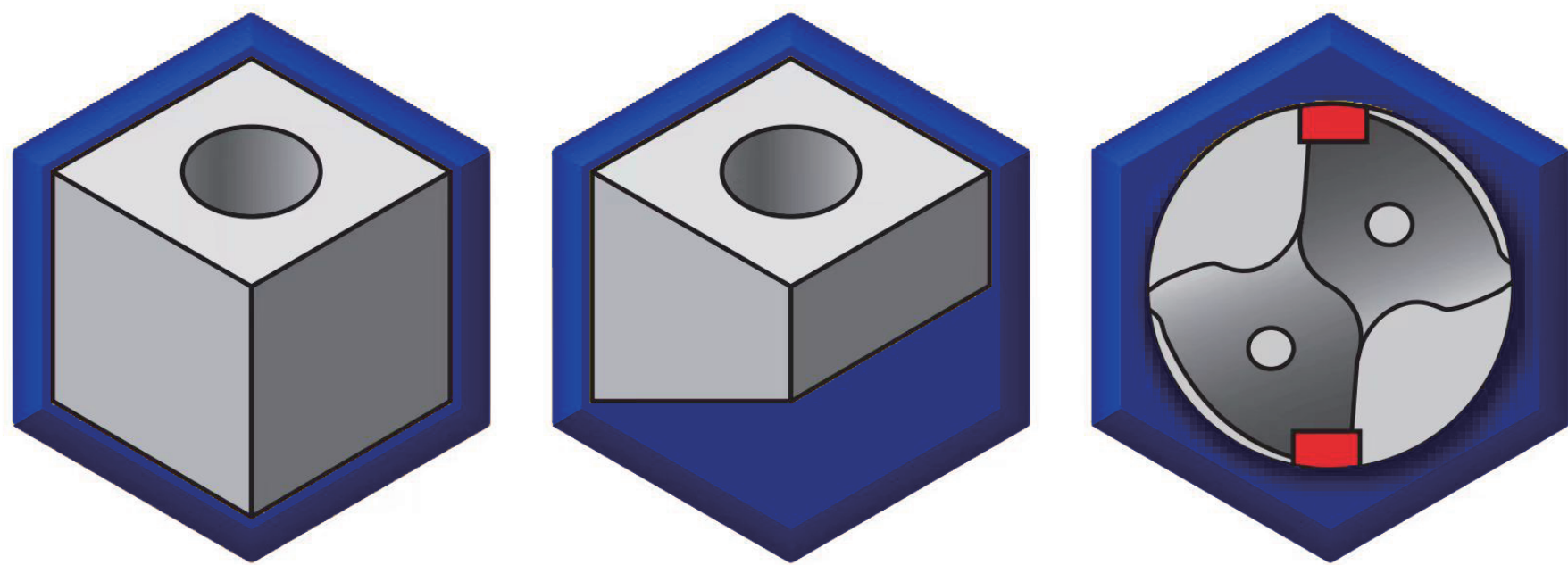
NKM.PGM 钻头系列 • 材质N315



NKM.PGM Series Grade: N315											
Material Grouping 材质分组		Cutting speed-Vc Range-m/min 切削速度-Vc 范围-m/min			Metrisch 公制						
					Recommended feed rate (f) per diameter 根据直径推荐进给率(f)						
		Min 最小值	Initial 初始值	Max 最大值		12.5	16.0	20.0	25.4	32.0	40.0
P	1	75	110	140	mm/U	0.15–0.34	0.17–0.40	0.19–0.45	0.25–0.58	0.29–0.66	0.33–0.76
	2	90	120	150	mm/U	0.15–0.34	0.17–0.40	0.19–0.45	0.25–0.58	0.29–0.66	0.33–0.76
	3	50	75	100	mm/U	0.15–0.28	0.17–0.34	0.19–0.40	0.25–0.51	0.29–0.58	0.33–0.66
	4	55	75	95	mm/U	0.12–0.31	0.14–0.34	0.16–0.40	0.25–0.51	0.23–0.58	0.26–0.66
	5	50	65	80	mm/U	0.09–0.17	0.11–0.20	0.12–0.23	0.15–0.28	0.17–0.32	0.20–0.36
	6	50	65	80	mm/U	0.12–0.25	0.14–0.29	0.16–0.32	0.20–0.42	0.23–0.47	0.26–0.54
K	1	90	135	175	mm/U	0.17–0.35	0.21–0.42	0.25–0.48	0.31–0.59	0.37–0.70	0.43–0.81
	2	90	110	125	mm/U	0.17–0.33	0.21–0.41	0.25–0.48	0.31–0.59	0.37–0.70	0.43–0.81
	3	40	95	125	mm/U	0.18–0.36	0.20–0.41	0.21–0.44	0.23–0.48	0.25–0.53	0.27–0.57

NKM.PLM Drill Series • Grade N320

NKM.PLM 钻头系列 • 材质N320

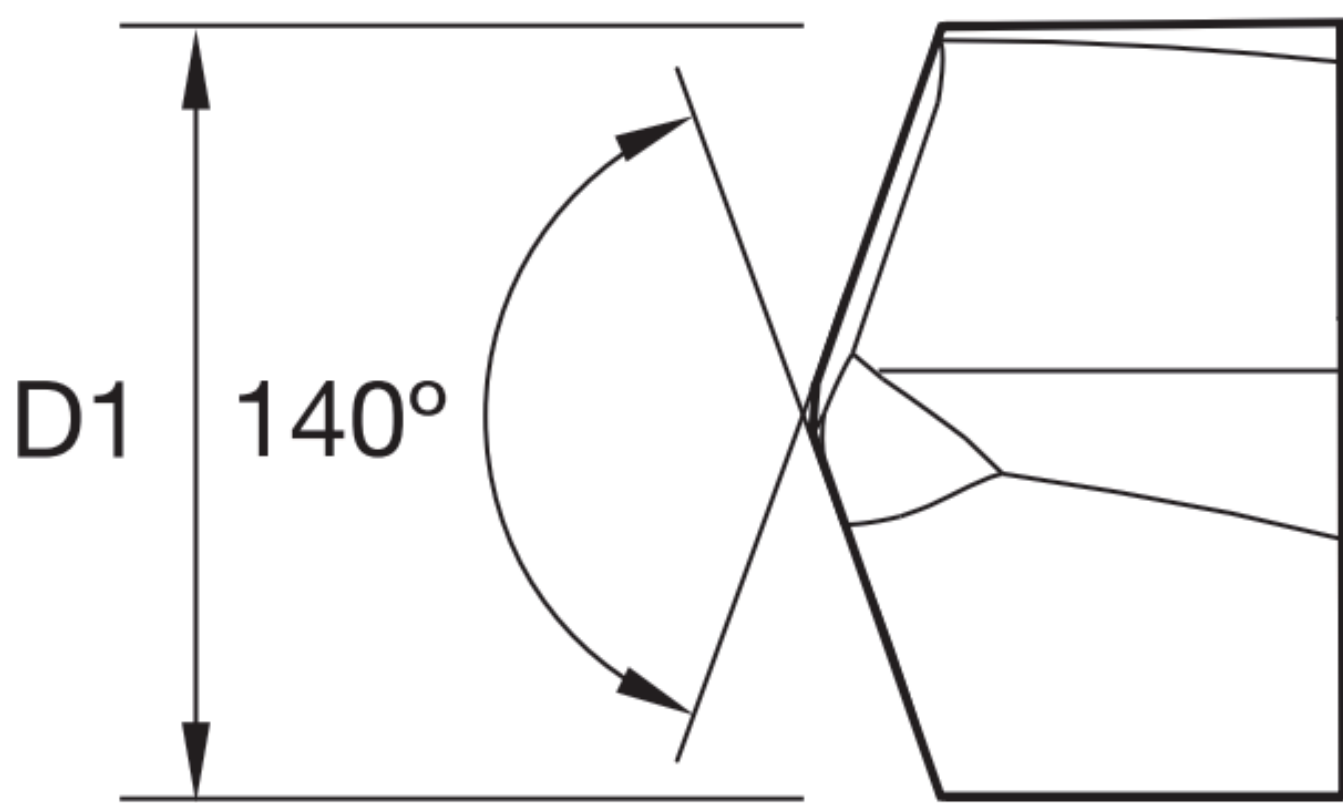
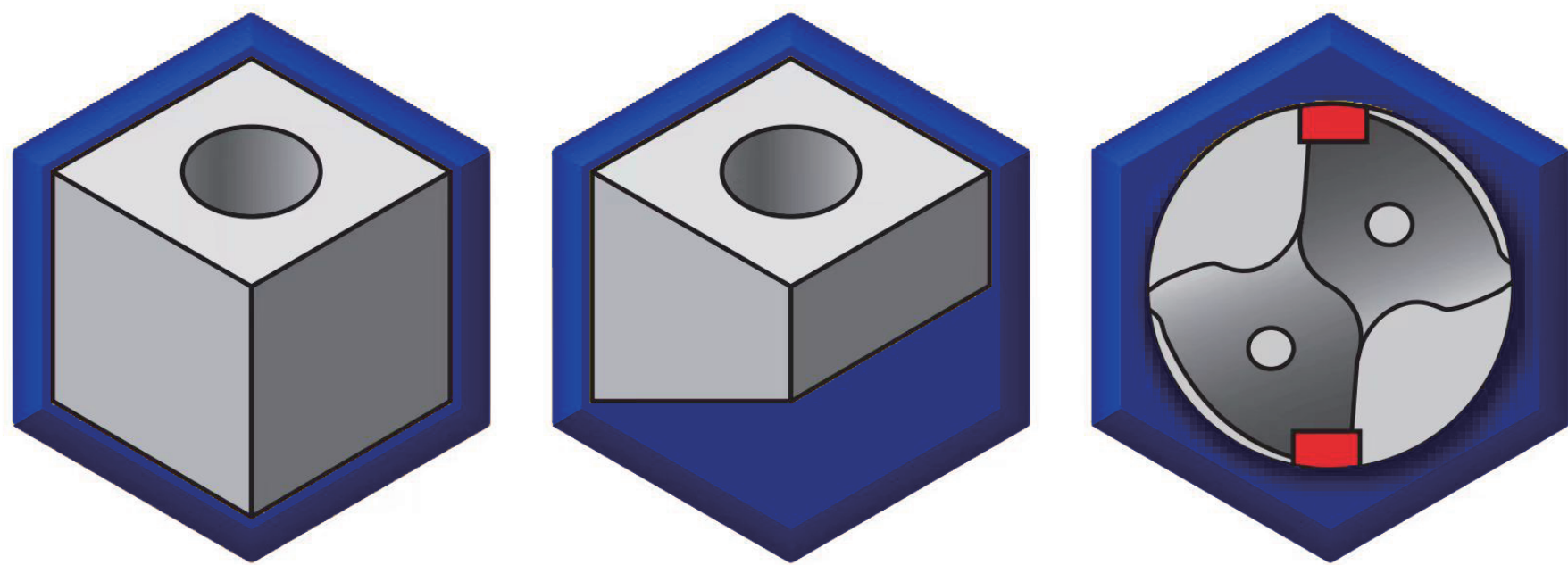


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1250.PLM	12.50	0.4921	C
NKM.1260.PLM	12.60	0.4961	C
NKM.1270.PLM	12.70	0.5000	C
NKM.1280.PLM	12.80	0.5039	C
NKM.1290.PLM	12.90	0.5079	C
NKM.1300.PLM	13.00	0.5118	C
NKM.1310.PLM	13.10	0.5160	C
NKM.1320.PLM	13.20	0.5197	C
NKM.1330.PLM	13.30	0.5236	C
NKM.1340.PLM	13.40	0.5276	C
NKM.1350.PLM	13.50	0.5310	C
NKM.1360.PLM	13.60	0.5354	B
NKM.1370.PLM	13.70	0.5394	B
NKM.1380.PLM	13.80	0.5433	B
NKM.1390.PLM	13.90	0.5472	B
NKM.1400.PLM	14.00	0.5512	B
NKM.1410.PLM	14.10	0.5551	B
NKM.1420.PLM	14.20	0.5591	B
NKM.1430.PLM	14.30	0.5630	B
NKM.1440.PLM	14.40	0.5669	B
NKM.1450.PLM	14.50	0.5709	B
NKM.1460.PLM	14.60	0.5748	A
NKM.1470.PLM	14.70	0.5787	A
NKM.1480.PLM	14.80	0.5827	A

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1490.PLM	14.90	0.5866	A
NKM.1500.PLM	15.00	0.5906	A
NKM.1510.PLM	15.10	0.5945	A
NKM.1520.PLM	15.20	0.5984	A
NKM.1530.PLM	15.30	0.6024	A
NKM.1540.PLM	15.40	0.6063	A
NKM.1550.PLM	15.50	0.6102	A
NKM.1560.PLM	15.60	0.6142	A
NKM.1570.PLM	15.70	0.6181	A
NKM.1580.PLM	15.80	0.6220	A
NKM.1590.PLM	15.90	0.6260	1
NKM.1600.PLM	16.00	0.6299	1
NKM.1610.PLM	16.10	0.6339	1
NKM.1620.PLM	16.20	0.6378	1
NKM.1630.PLM	16.30	0.6417	1
NKM.1640.PLM	16.40	0.6457	1
NKM.1650.PLM	16.50	0.6496	1
NKM.1660.PLM	16.60	0.6535	1
NKM.1670.PLM	16.70	0.6575	1
NKM.1680.PLM	16.80	0.6614	1
NKM.1690.PLM	16.90	0.6654	1
NKM.1700.PLM	17.00	0.6693	1
NKM.1710.PLM	17.10	0.6732	1
NKM.1720.PLM	17.20	0.6772	1

NKM.PLM Drill Series • Grade N320

NKM.PLM 钻头系列 • 材质N320

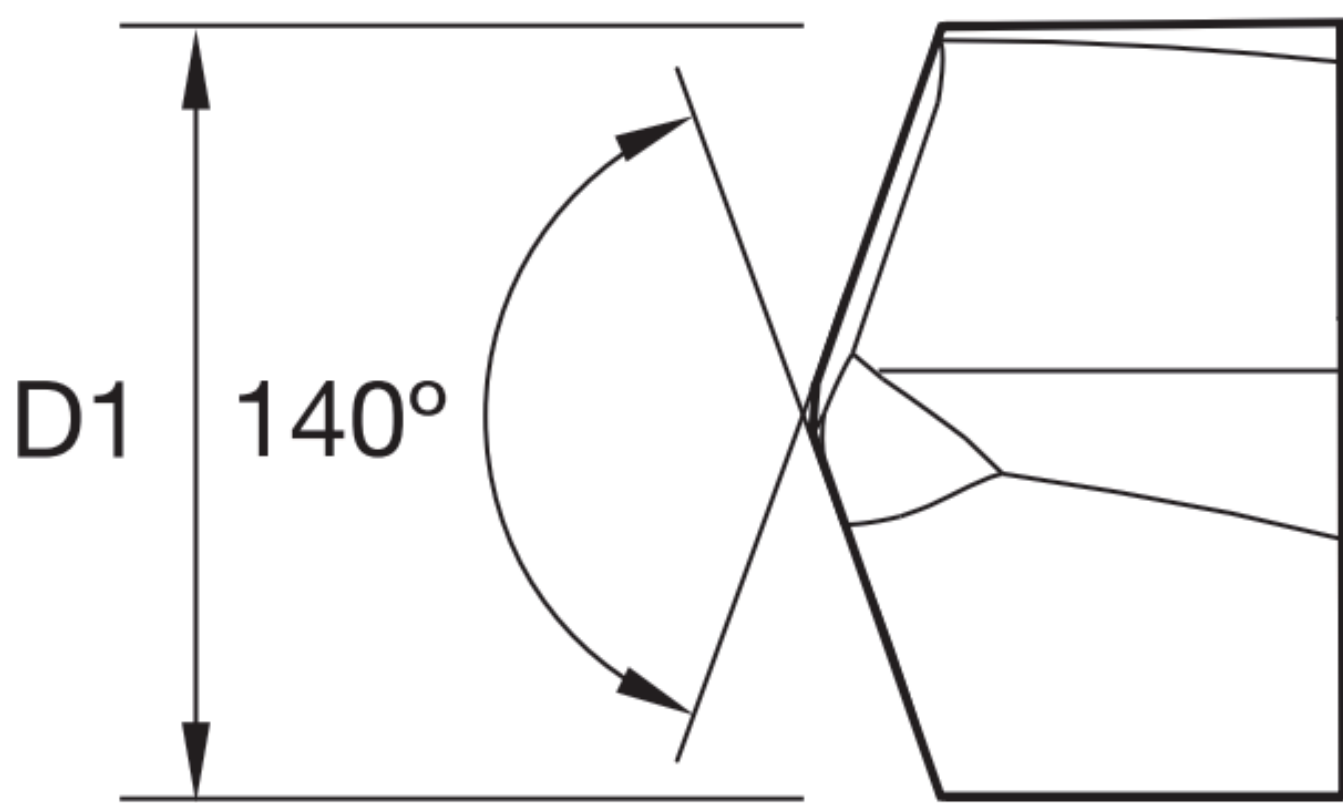
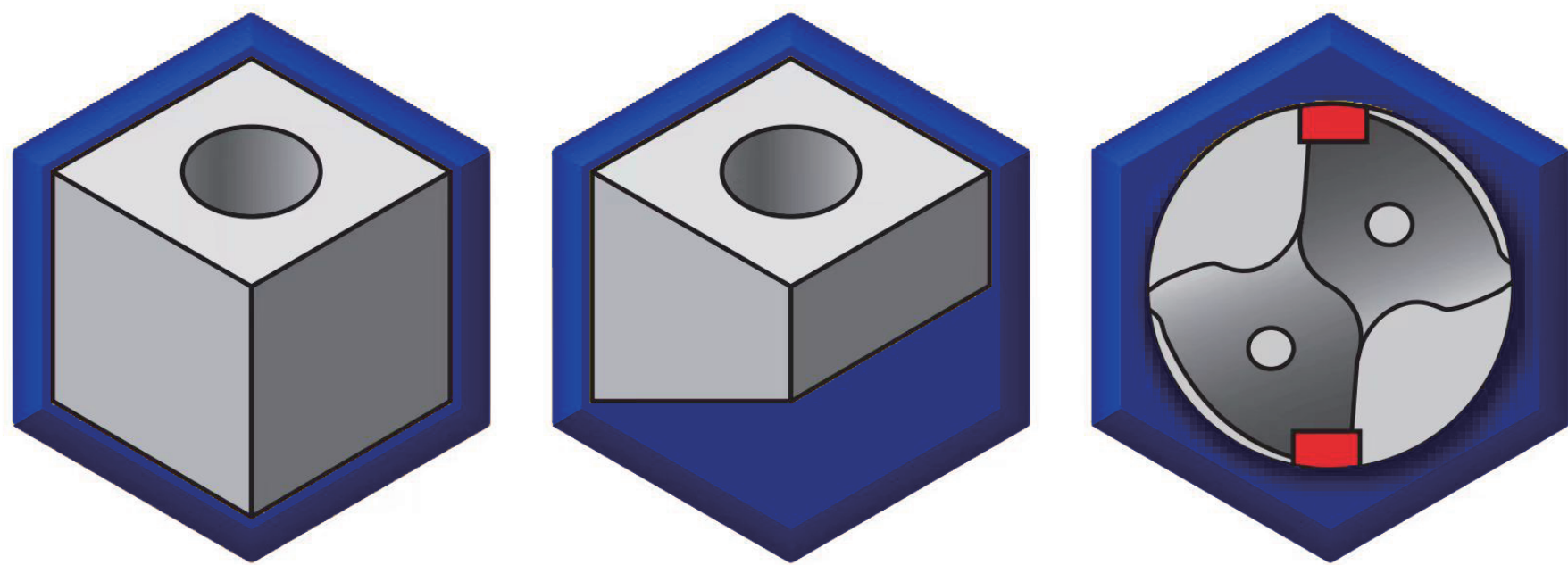


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1730.PLM	17.30	0.6811	1
NKM.1740.PLM	17.40	0.6850	1
NKM.1750.PLM	17.50	0.6890	1
NKM.1760.PLM	17.60	0.6929	1
NKM.1770.PLM	17.70	0.6969	1
NKM.1780.PLM	17.80	0.7008	1
NKM.1790.PLM	17.90	0.7047	1
NKM.1800.PLM	18.00	0.7087	1
NKM.1810.PLM	18.10	0.7126	2
NKM.1820.PLM	18.20	0.7165	2
NKM.1830.PLM	18.30	0.7205	2
NKM.1840.PLM	18.40	0.7244	2
NKM.1850.PLM	18.50	0.7283	2
NKM.1860.PLM	18.60	0.7323	2
NKM.1870.PLM	18.70	0.7362	2
NKM.1880.PLM	18.80	0.7402	2
NKM.1890.PLM	18.90	0.7441	2
NKM.1900.PLM	19.00	0.7480	2
NKM.1910.PLM	19.10	0.7520	2
NKM.1920.PLM	19.20	0.7559	2
NKM.1930.PLM	19.30	0.7598	2
NKM.1940.PLM	19.40	0.7638	2
NKM.1950.PLM	19.50	0.7677	2
NKM.1960.PLM	19.60	0.7717	2

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.1970.PLM	19.70	0.7756	2
NKM.1980.PLM	19.80	0.7795	2
NKM.1990.PLM	19.90	0.7835	2
NKM.2000.PLM	20.00	0.7874	3
NKM.2010.PLM	20.10	0.7913	3
NKM.2020.PLM	20.20	0.7953	3
NKM.2030.PLM	20.30	0.7992	3
NKM.2040.PLM	20.40	0.8031	3
NKM.2050.PLM	20.50	0.8071	3
NKM.2060.PLM	20.60	0.8110	3
NKM.2070.PLM	20.70	0.8150	3
NKM.2080.PLM	20.80	0.8189	3
NKM.2090.PLM	20.90	0.8228	3
NKM.2100.PLM	21.00	0.8268	3
NKM.2110.PLM	21.10	0.8307	3
NKM.2120.PLM	21.20	0.8346	3
NKM.2130.PLM	21.30	0.8386	3
NKM.2140.PLM	21.40	0.8425	3
NKM.2150.PLM	21.50	0.8465	3
NKM.2160.PLM	21.60	0.8504	3
NKM.2170.PLM	21.70	0.8543	3
NKM.2180.PLM	21.80	0.8583	3
NKM.2190.PLM	21.90	0.8622	3
NKM.2200.PLM	22.00	0.8661	3

NKM.PLM Drill Series • Grade N320

NKM.PLM 钻头系列 • 材质N320

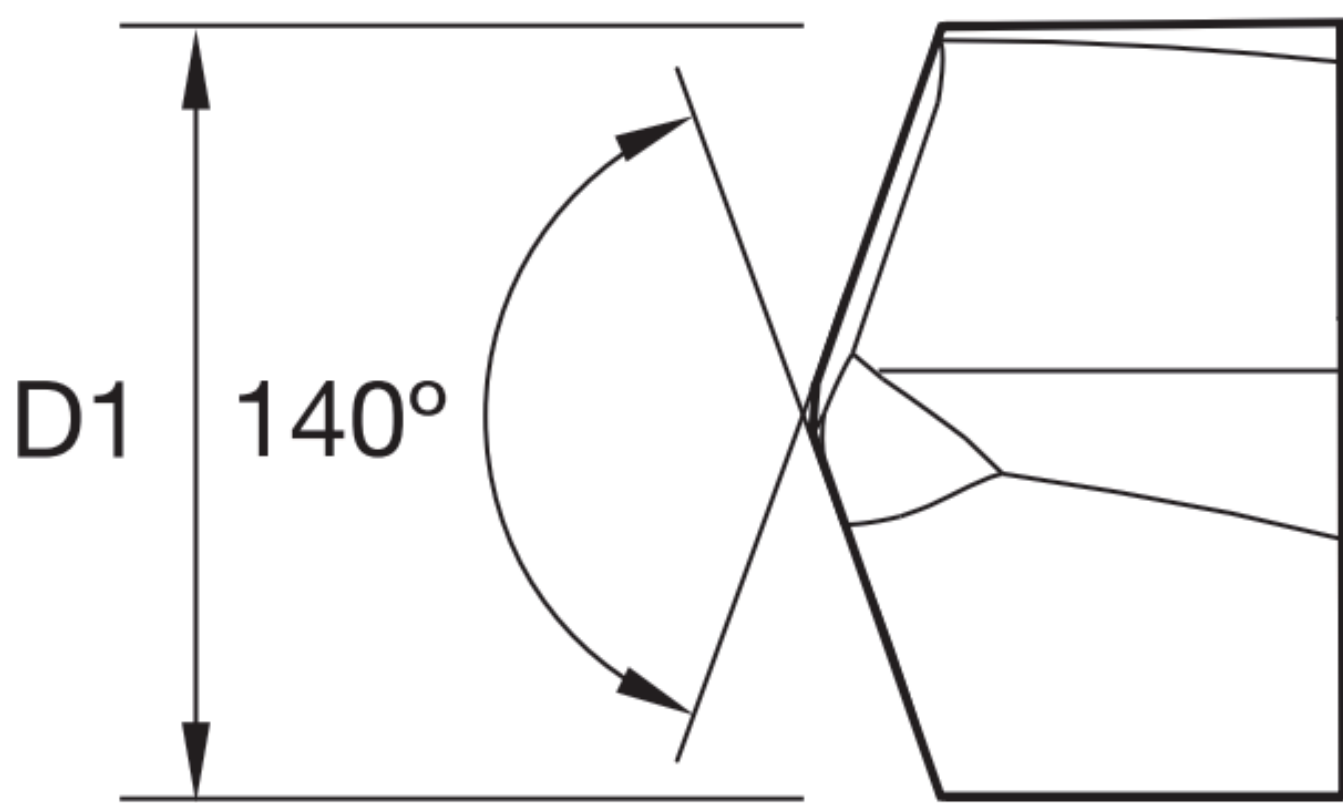
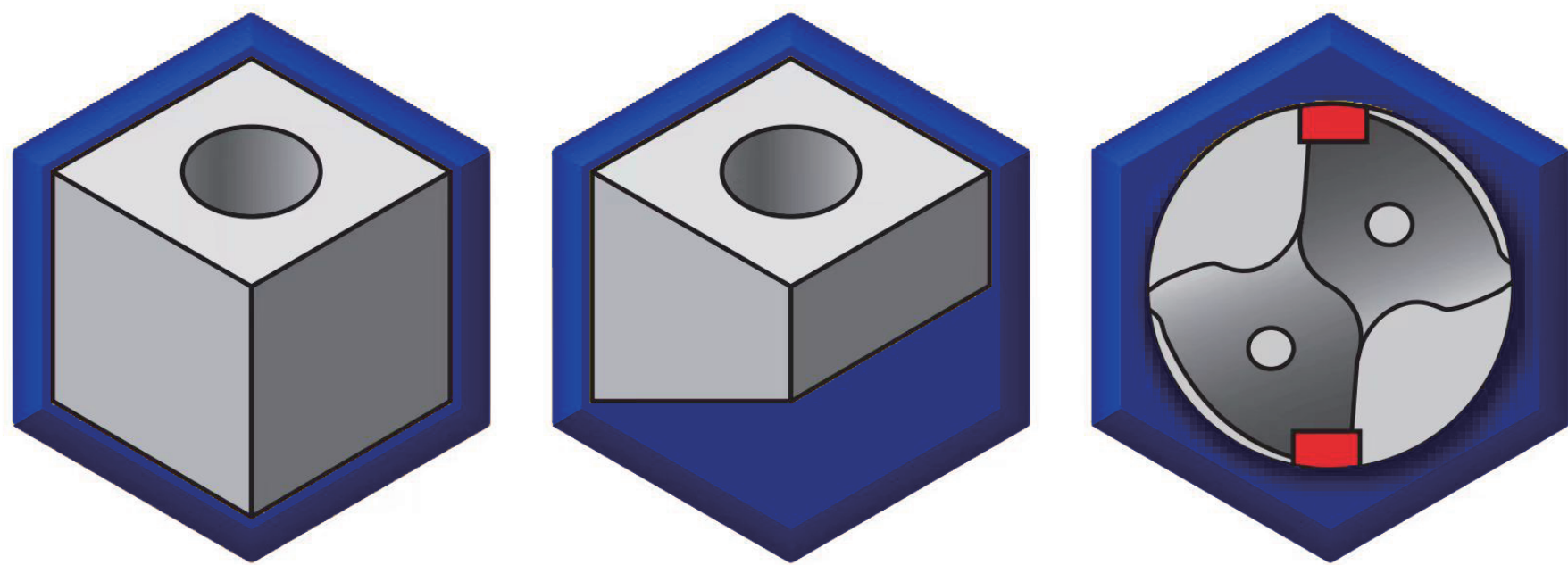


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2210.PLM	22.10	0.8701	4
NKM.2220.PLM	22.20	0.8740	4
NKM.2230.PLM	22.30	0.8780	4
NKM.2240.PLM	22.40	0.8819	4
NKM.2250.PLM	22.50	0.8858	4
NKM.2260.PLM	22.60	0.8898	4
NKM.2270.PLM	22.70	0.8937	4
NKM.2280.PLM	22.80	0.8976	4
NKM.2290.PLM	22.90	0.9016	4
NKM.2300.PLM	23.00	0.9055	4
NKM.2310.PLM	23.10	0.9094	4
NKM.2320.PLM	23.20	0.9134	4
NKM.2330.PLM	23.30	0.9173	4
NKM.2340.PLM	23.40	0.9213	4
NKM.2350.PLM	23.50	0.9252	4
NKM.2360.PLM	23.60	0.9291	4
NKM.2370.PLM	23.70	0.9331	4
NKM.2380.PLM	23.80	0.9370	4
NKM.2390.PLM	23.90	0.9409	4
NKM.2400.PLM	24.00	0.9449	4
NKM.2410.PLM	24.10	0.9488	5
NKM.2420.PLM	24.20	0.9528	5
NKM.2430.PLM	24.30	0.9567	5
NKM.2440.PLM	24.40	0.9606	5

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2450.PLM	24.50	0.9646	5
NKM.2460.PLM	24.60	0.9685	5
NKM.2470.PLM	24.70	0.9724	5
NKM.2480.PLM	24.80	0.9764	5
NKM.2490.PLM	24.90	0.9803	5
NKM.2500.PLM	25.00	0.9843	5
NKM.2510.PLM	25.10	0.9882	5
NKM.2520.PLM	25.20	0.9921	5
NKM.2530.PLM	25.30	0.9961	5
NKM.2540.PLM	25.40	1.0000	5
NKM.2550.PLM	25.50	1.0039	5
NKM.2560.PLM	25.60	1.0079	5
NKM.2570.PLM	25.70	1.0118	5
NKM.2580.PLM	25.80	1.0157	5
NKM.2590.PLM	25.90	1.0197	5
NKM.2600.PLM	26.00	1.0236	5
NKM.2610.PLM	26.10	1.0276	6
NKM.2620.PLM	26.20	1.0315	6
NKM.2630.PLM	26.30	1.0354	6
NKM.2640.PLM	26.40	1.0394	6
NKM.2650.PLM	26.50	1.0433	6
NKM.2660.PLM	26.60	1.0472	6
NKM.2670.PLM	26.70	1.0512	6
NKM.2680.PLM	26.80	1.0551	6

NKM.PLM Drill Series • Grade N320

NKM.PLM 钻头系列 • 材质N320

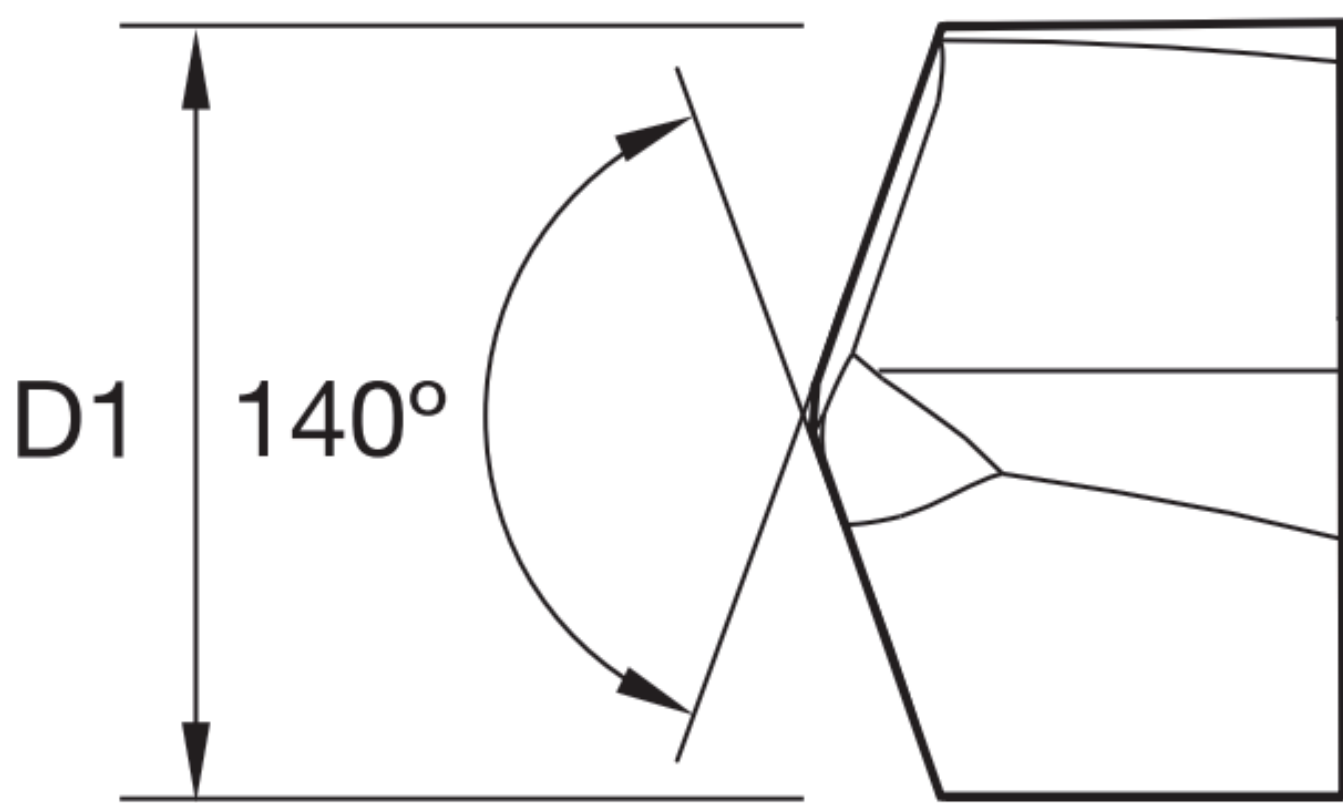
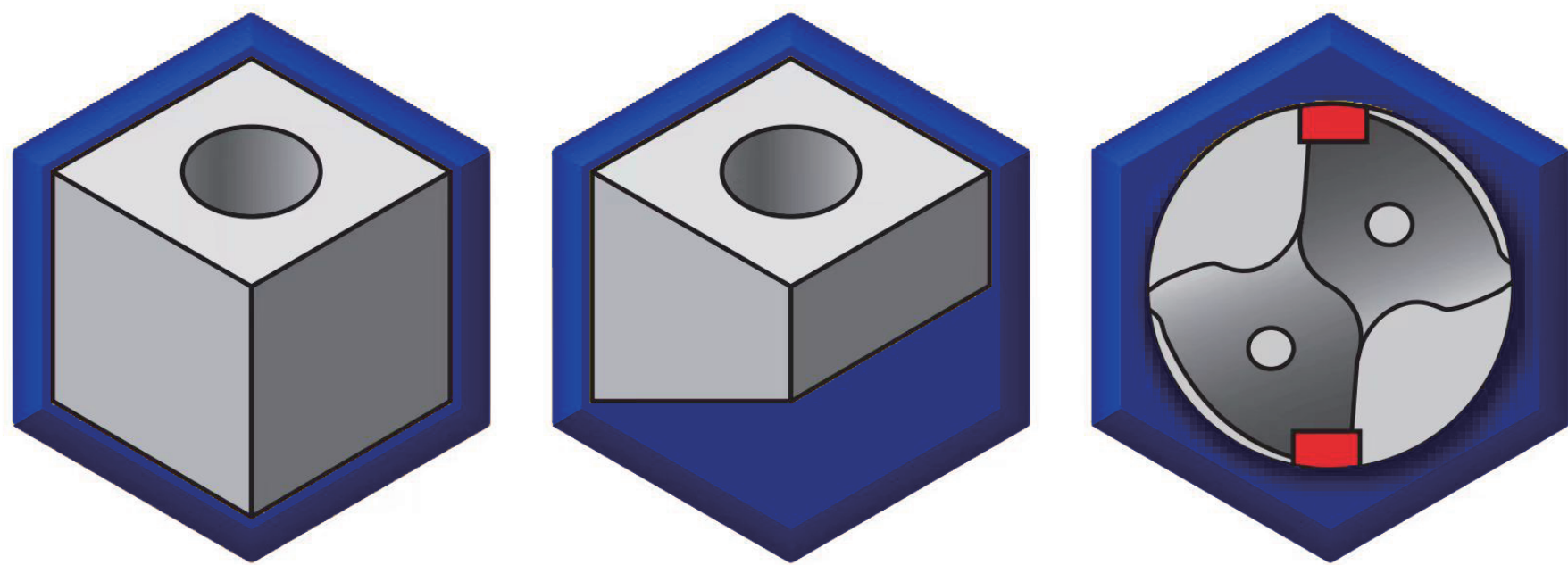


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2690.PLM	26.90	1.0591	6
NKM.2700.PLM	27.00	1.0630	6
NKM.2710.PLM	27.10	1.0669	6
NKM.2720.PLM	27.20	1.0709	6
NKM.2730.PLM	27.30	1.0748	6
NKM.2740.PLM	27.40	1.0787	6
NKM.2750.PLM	27.50	1.0827	6
NKM.2760.PLM	27.60	1.0866	6
NKM.2770.PLM	27.70	1.0906	6
NKM.2780.PLM	27.80	1.0945	6
NKM.2790.PLM	27.90	1.0984	6
NKM.2800.PLM	28.00	1.1024	6
NKM.2810.PLM	28.10	1.1063	7
NKM.2820.PLM	28.20	1.1102	7
NKM.2830.PLM	28.30	1.1142	7
NKM.2840.PLM	28.40	1.1181	7
NKM.2850.PLM	28.50	1.1220	7
NKM.2860.PLM	28.60	1.1260	7
NKM.2870.PLM	28.70	1.1299	7
NKM.2880.PLM	28.80	1.1339	7
NKM.2890.PLM	28.90	1.1378	7
NKM.2900.PLM	29.00	1.1417	7
NKM.2910.PLM	29.10	1.1457	7
NKM.2920.PLM	29.20	1.1496	7

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.2930.PLM	29.30	1.1535	7
NKM.2940.PLM	29.40	1.1575	7
NKM.2950.PLM	29.50	1.1614	7
NKM.2960.PLM	29.60	1.1654	7
NKM.2970.PLM	29.70	1.1693	7
NKM.2980.PLM	29.80	1.1732	7
NKM.2990.PLM	29.90	1.1772	7
NKM.3000.PLM	30.00	1.1811	7
NKM.3010.PLM	30.10	1.1850	8
NKM.3020.PLM	30.20	1.1890	8
NKM.3030.PLM	30.30	1.1929	8
NKM.3040.PLM	30.40	1.1969	8
NKM.3050.PLM	30.50	1.2008	8
NKM.3060.PLM	30.60	1.2047	8
NKM.3070.PLM	30.70	1.2087	8
NKM.3080.PLM	30.80	1.2126	8
NKM.3090.PLM	30.90	1.2165	8
NKM.3100.PLM	31.00	1.2205	8
NKM.3110.PLM	31.10	1.2244	8
NKM.3120.PLM	31.20	1.2283	8
NKM.3130.PLM	31.30	1.2323	8
NKM.3140.PLM	31.40	1.2362	8
NKM.3150.PLM	31.50	1.2402	8
NKM.3160.PLM	31.60	1.2441	8

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NKM.PLM 钻头系列 • 材质N320

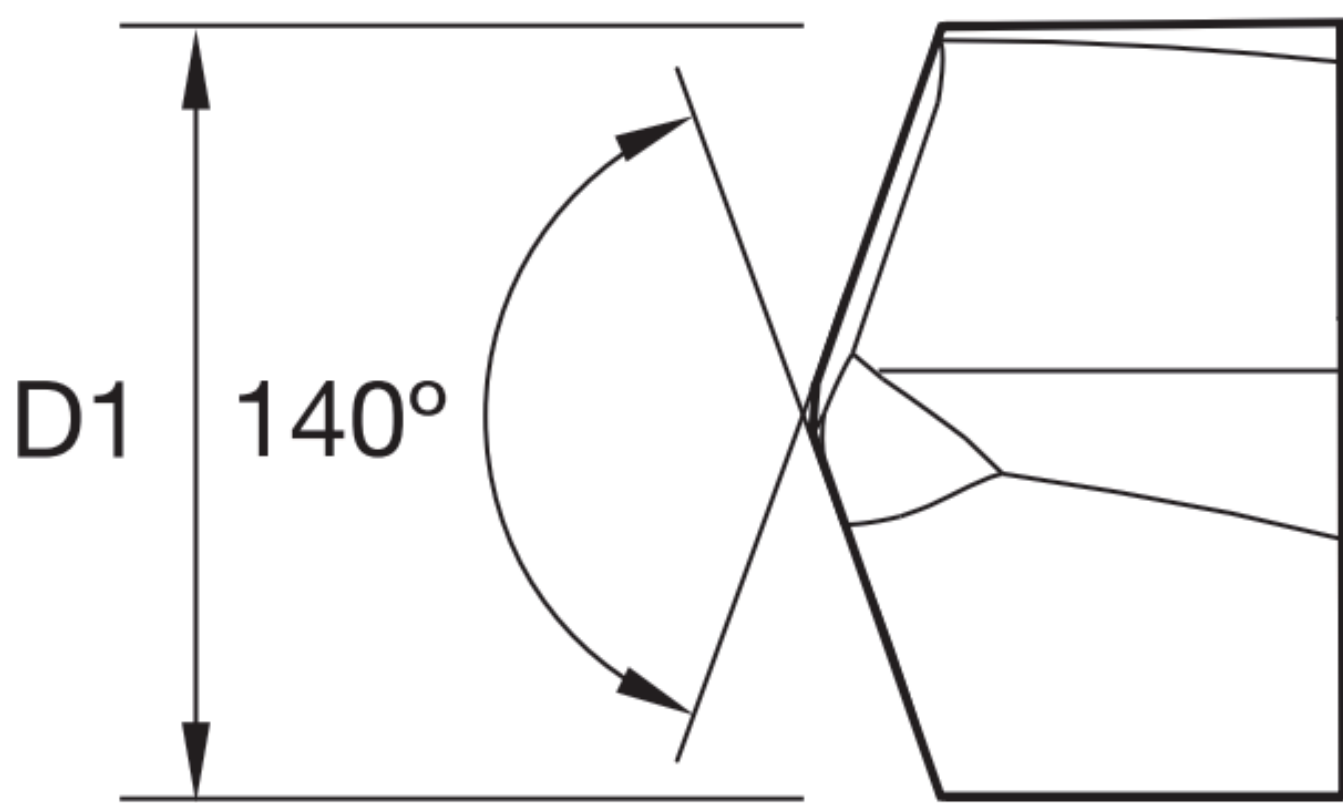
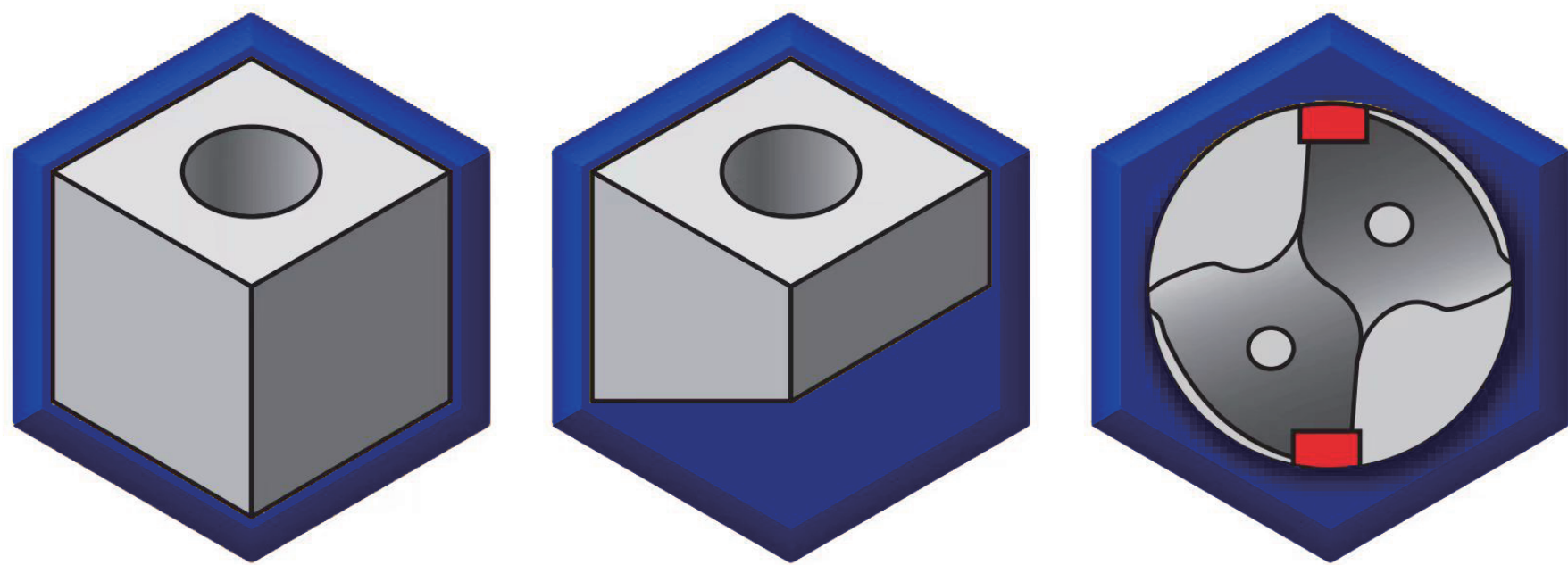


No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3170.PLM	31.70	1.2480	8
NKM.3180.PLM	31.80	1.2520	8
NKM.3190.PLM	31.90	1.2559	8
NKM.3200.PLM	32.00	1.2598	8
NKM.3210.PLM	32.10	1.2638	9
NKM.3220.PLM	32.20	1.2677	9
NKM.3230.PLM	32.30	1.2717	9
NKM.3240.PLM	32.40	1.2756	9
NKM.3250.PLM	32.50	1.2795	9
NKM.3260.PLM	32.60	1.2835	9
NKM.3270.PLM	32.70	1.2874	9
NKM.3280.PLM	32.80	1.2913	9
NKM.3290.PLM	32.90	1.2953	9
NKM.3300.PLM	33.00	1.2992	9
NKM.3310.PLM	33.10	1.3031	9
NKM.3320.PLM	33.20	1.3071	9
NKM.3330.PLM	33.30	1.3110	9
NKM.3340.PLM	33.40	1.3150	9
NKM.3350.PLM	33.50	1.3189	9
NKM.3360.PLM	33.60	1.3228	9
NKM.3370.PLM	33.70	1.3268	9
NKM.3380.PLM	33.80	1.3307	9
NKM.3390.PLM	33.90	1.3346	9
NKM.3400.PLM	34.00	1.3386	9

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3410.PLM	34.10	1.3425	9
NKM.3420.PLM	34.20	1.3465	9
NKM.3430.PLM	34.30	1.3504	9
NKM.3440.PLM	34.40	1.3543	9
NKM.3450.PLM	34.50	1.3583	9
NKM.3460.PLM	34.60	1.3622	9
NKM.3470.PLM	34.70	1.3661	9
NKM.3480.PLM	34.80	1.3701	9
NKM.3490.PLM	34.90	1.3740	9
NKM.3500.PLM	35.00	1.3780	9
NKM.3510.PLM	35.10	1.3819	9
NKM.3520.PLM	35.20	1.3858	9
NKM.3530.PLM	35.30	1.3898	9
NKM.3540.PLM	35.40	1.3937	9
NKM.3550.PLM	35.50	1.3976	9
NKM.3560.PLM	35.60	1.4016	9
NKM.3570.PLM	35.70	1.4055	9
NKM.3580.PLM	35.80	1.4094	9
NKM.3590.PLM	35.90	1.4134	9
NKM.3600.PLM	36.00	1.4173	9
NKM.3610.PLM	36.10	1.4213	10
NKM.3620.PLM	36.20	1.4252	10
NKM.3630.PLM	36.30	1.4291	10
NKM.3640.PLM	36.40	1.4331	10

NKM.PLM Drill Series • Grade N320

NKM.PLM 钻头系列 • 材质N320



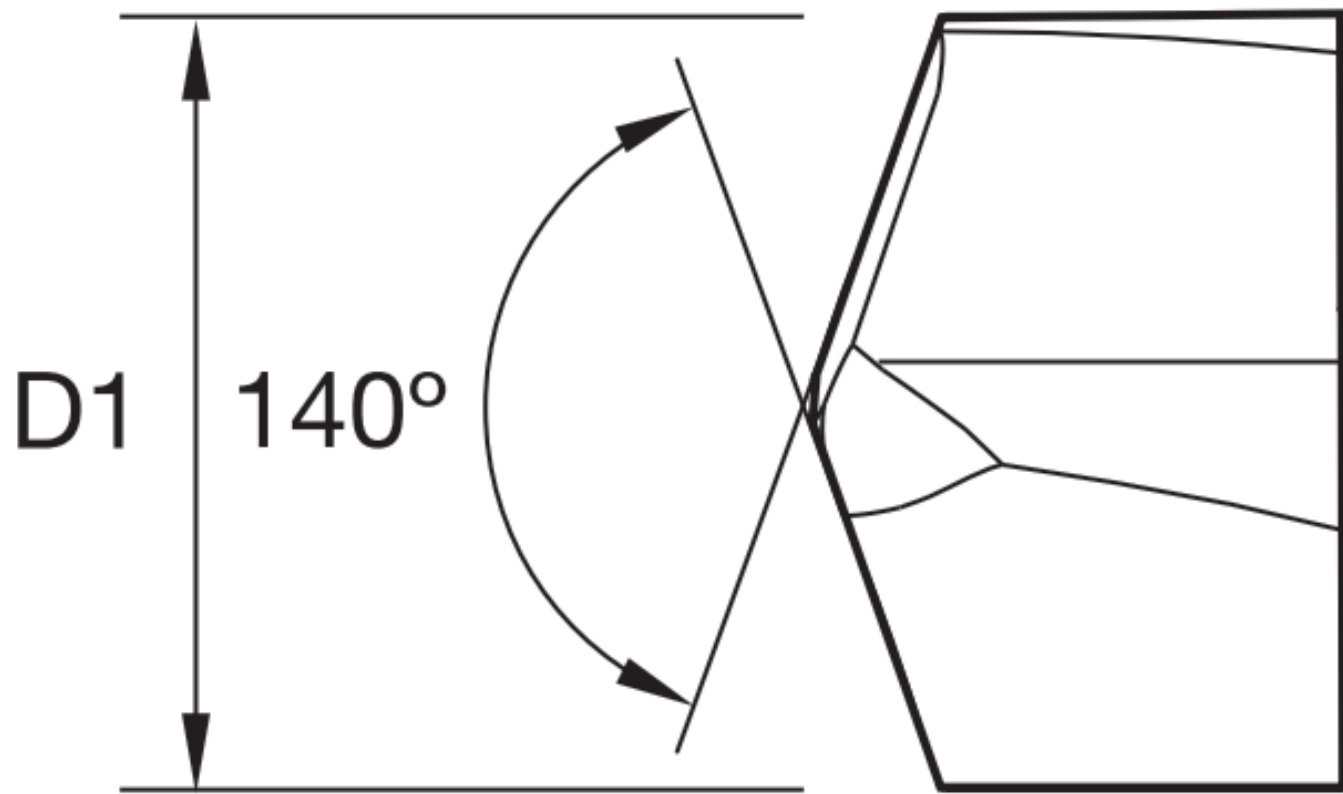
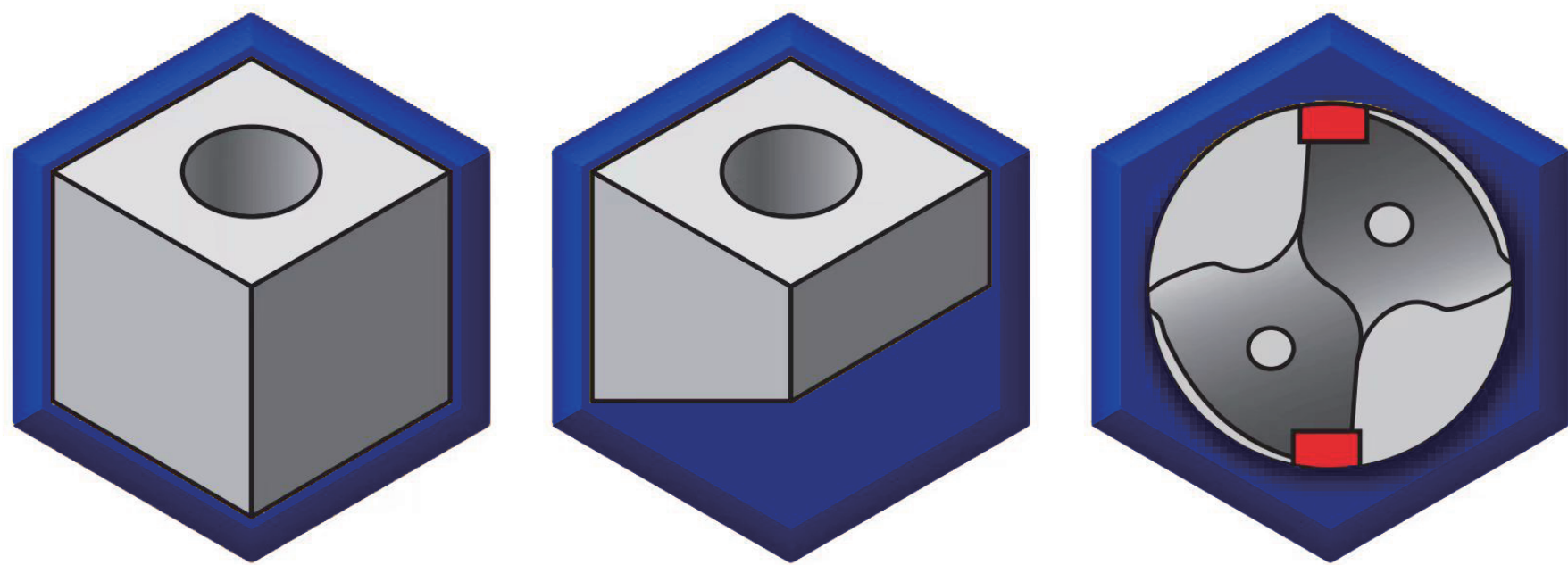
No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3650.PLM	36.50	1.4370	10
NKM.3660.PLM	36.60	1.4409	10
NKM.3670.PLM	36.70	1.4449	10
NKM.3680.PLM	36.80	1.4488	10
NKM.3690.PLM	36.90	1.4528	10
NKM.3700.PLM	37.00	1.4567	10
NKM.3710.PLM	37.10	1.4606	10
NKM.3720.PLM	37.20	1.4646	10
NKM.3730.PLM	37.30	1.4685	10
NKM.3740.PLM	37.40	1.4724	10
NKM.3750.PLM	37.50	1.4764	10
NKM.3760.PLM	37.60	1.4803	10
NKM.3770.PLM	37.70	1.4843	10
NKM.3780.PLM	37.80	1.4882	10
NKM.3790.PLM	37.90	1.4921	10
NKM.3800.PLM	38.00	1.4961	10
NKM.3810.PLM	38.10	1.5000	10
NKM.3820.PLM	38.20	1.5039	10
NKM.3830.PLM	38.30	1.5079	10
NKM.3840.PLM	38.40	1.5118	10

No. 型号	D1		Holder size 刀座尺寸
	mm	in	
NKM.3850.PLM	38.50	1.5157	10
NKM.3860.PLM	38.60	1.5197	10
NKM.3870.PLM	38.70	1.5236	10
NKM.3880.PLM	38.80	1.5276	10
NKM.3890.PLM	38.90	1.5315	10
NKM.3900.PLM	39.00	1.5354	10
NKM.3910.PLM	39.10	1.5394	10
NKM.3920.PLM	39.20	1.5433	10
NKM.3930.PLM	39.30	1.5472	10
NKM.3940.PLM	39.40	1.5512	10
NKM.3950.PLM	39.50	1.5551	10
NKM.3960.PLM	39.60	1.5591	10
NKM.3970.PLM	39.70	1.5630	10
NKM.3980.PLM	39.80	1.5669	10
NKM.3990.PLM	39.90	1.5709	10
NKM.4000.PLM	40.00	1.5748	10

D1 Metrisch D1公制	Tolerances h8 公差/h8
12.5–18.0	+0.000/-0.027
>18–30	+0.000/-0.033
>30–40	+0.000/-0.039

NKM.PLM Drill Series • Grade N320

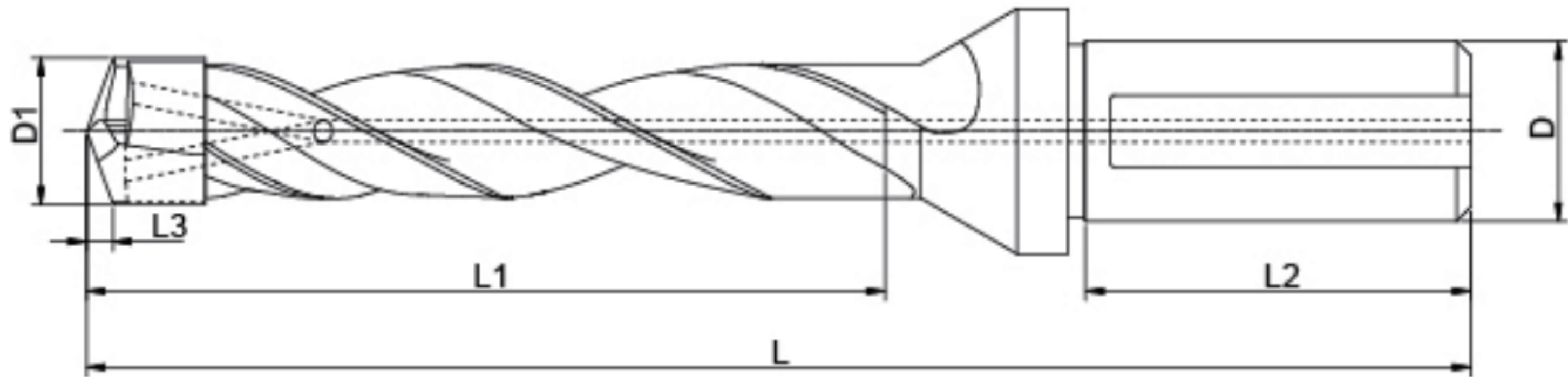
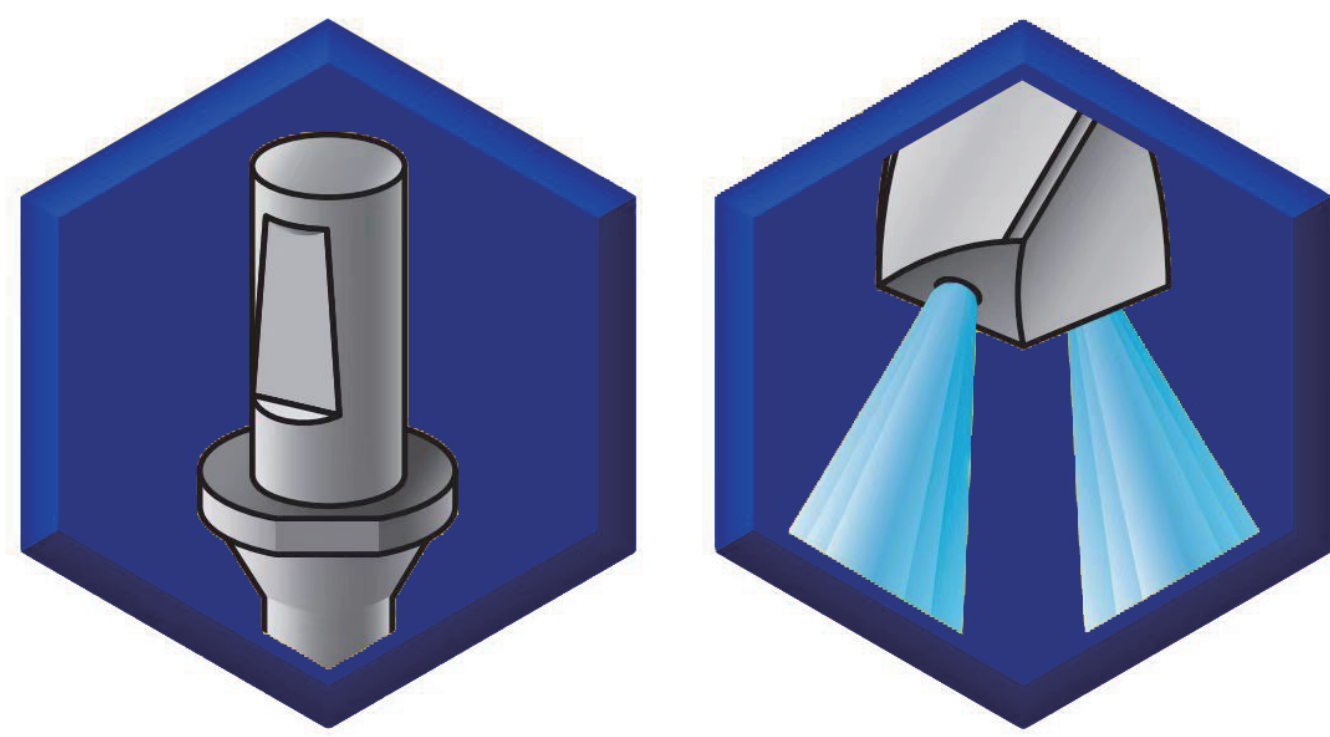
NKM.PLM 钻头系列 • 材质N320

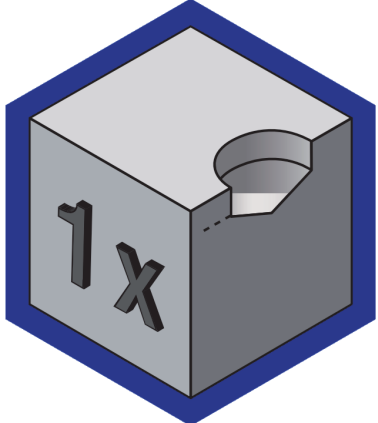
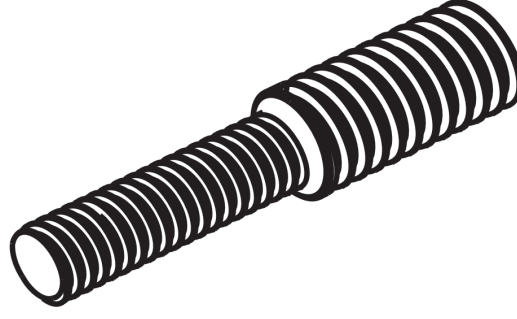
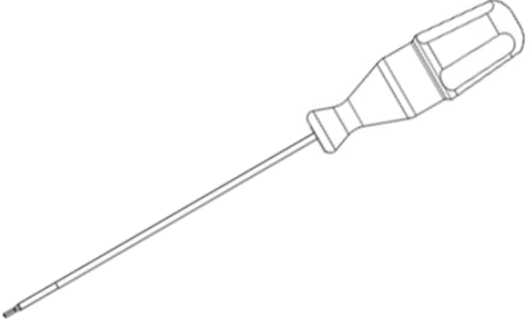


NKM.PLM Series Grade: N320											
Material Grouping 材质分组		Cutting speed-Vc Range-m/min 切削速度-Vc 范围-m/min			Metrisch 公制						
					Recommended feed rate (f) per diameter 根据直径推荐进给率(f)						
		Min. 最小值	Initial 初始值	Max. 最大值		12.5	16.0	20.0	25.4	32.0	40.0
M	1	30	60	90	mm/U	0.09–0.14	0.11–0.17	0.13–0.20	0.16–0.25	0.18–0.28	0.21–0.31
	2	30	50	90	mm/U	0.09–0.14	0.11–0.17	0.13–0.20	0.16–0.25	0.18–0.28	0.21–0.31
	3	20	40	60	mm/U	0.09–0.14	0.11–0.17	0.13–0.20	0.16–0.25	0.18–0.28	0.21–0.31
S	1	20	40	60	mm/U	0.05–0.10	0.07–0.12	0.09–0.14	0.11–0.17	0.13–0.20	0.16–0.25
	2	15	30	45	mm/U	0.05–0.10	0.07–0.12	0.09–0.14	0.11–0.17	0.13–0.20	0.16–0.25
	3	15	30	45	mm/U	0.05–0.10	0.07–0.12	0.09–0.14	0.11–0.17	0.13–0.20	0.16–0.25
	4	10	25	40	mm/U	0.05–0.10	0.07–0.12	0.13–0.20	0.16–0.25	0.18–0.28	0.21–0.31

Exchangeable Drill Holder • 1D

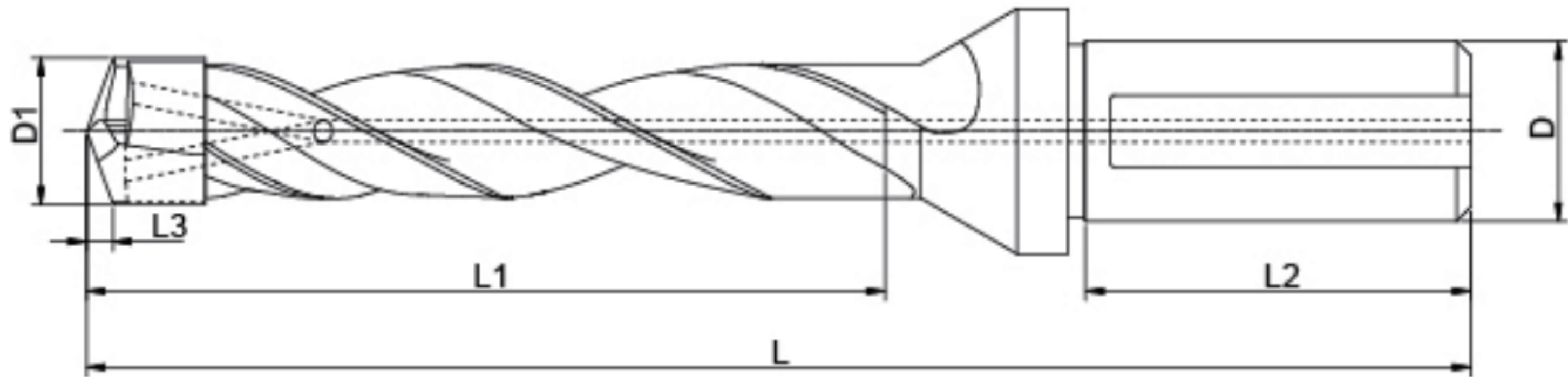
可换式钻杆 • 1D

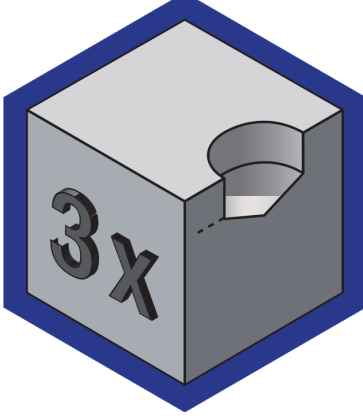
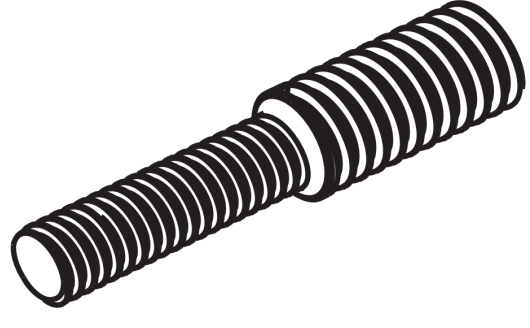
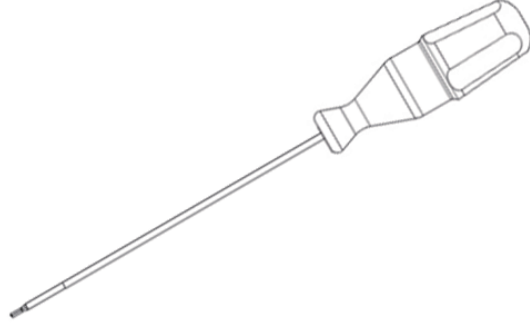


 1×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM125D1W16M	85	14	2.5	45	16	12.50	13.50	C	364.017	170.294
NKM136D1W16M	86	15	2.7	45	16	13.51	14.50	B	164.016	170.289
NKM146D1W20M	95	16	2.9	50	20	14.51	15.80	A	164.016	170.289
NKM160D1W20M	104	18	3.2	50	20	16.00	18.00	1	364.010	170.270
NKM181D1W25M	113	20	3.6	56	25	18.01	19.99	2	364.011	170.272
NKM200D1W25M	114	22	4	56	25	20.00	22.00	3	364.011	170.272
NKM221D1W25M	115	24	4.4	56	25	22.01	24.00	4	364.011	170.272
NKM241D1W32M	124	26	4.7	60	32	24.01	26.00	5	364.012	170.274
NKM261D1W32M	126	28	5.1	60	32	26.01	28.00	6	364.012	170.274
NKM281D1W32M	127	30	5.5	60	32	28.01	30.00	7	364.013	170.276
NKM301D1W32M	130	32	5.8	60	32	30.01	32.00	8	364.013	170.276
NKM321D1W40M	150	36	6.5	70	40	32.01	36.00	9	364.015	170.276
NKM321D1W40M	152	40	7.3	70	40	36.01	40.00	10	364.015	170.276

Exchangeable Drill Holder • 3D

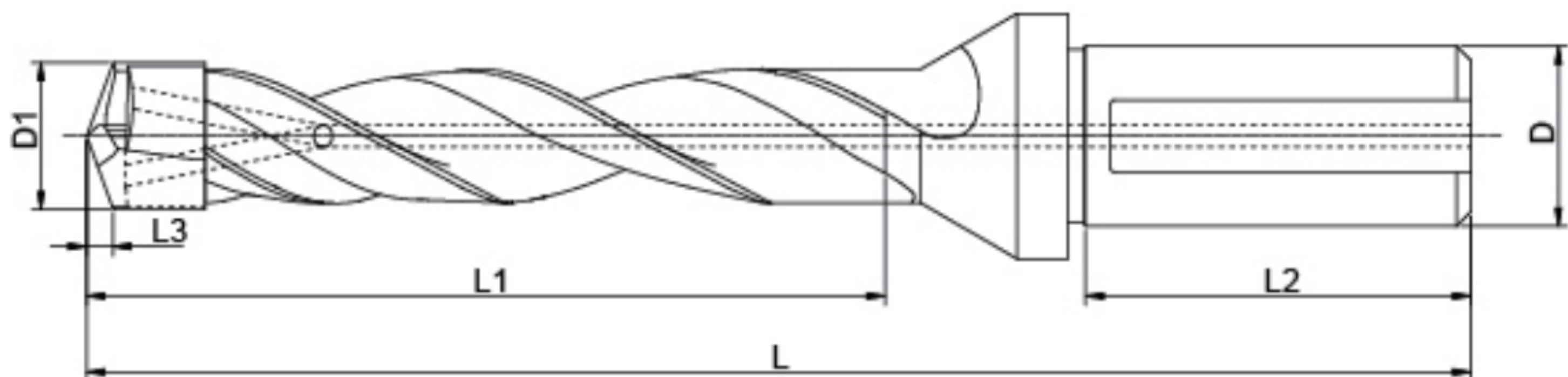
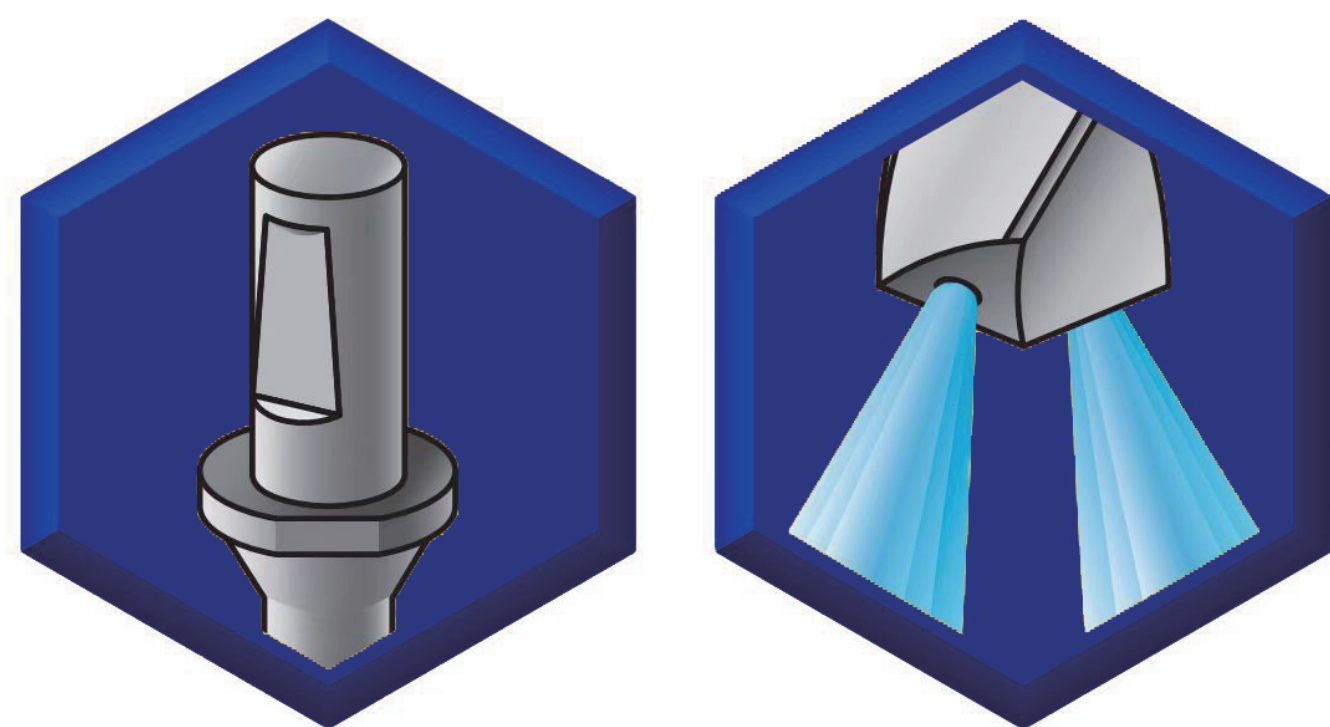
可换式钻杆 • 3D

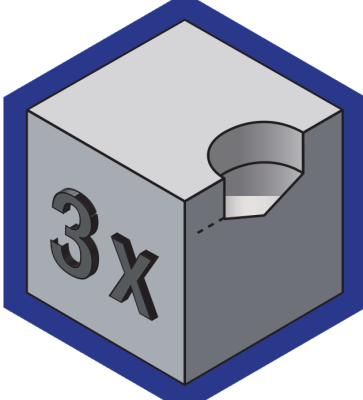
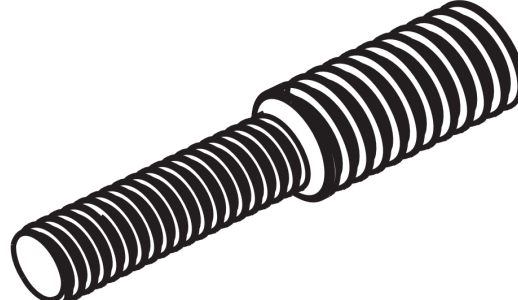
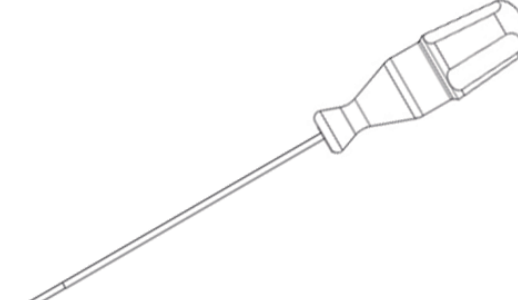


 3×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM125D3W16M	111	39	2.4	45	16	12.50	13.00	C	364.017	170.294
NKM130D3W16M	111	39	2.5	45	16	13.00	13.50	C	364.017	170.294
NKM135D3W16M	111	39	2.5	45	16	13.50	13.50	C	364.017	170.294
NKM136D3W16M	114	42	2.6	45	16	13.51	14.00	B	164.016	170.289
NKM140D3W16M	114	42	2.6	45	16	14.00	14.50	B	164.016	170.289
NKM145D3W16M	114	42	2.6	45	16	14.50	14.50	B	164.016	170.289
NKM146D3W20M	125	45	2.7	50	20	14.51	15.00	A	164.016	170.289
NKM150D3W20M	125	45	2.8	50	20	15.00	15.50	A	164.016	170.289
NKM155D3W20M	125	45	2.9	50	20	15.50	15.88	A	164.016	170.289
NKM160D3W20M	128	48	3.0	50	20	16.00	17.00	1	364.010	170.270
NKM170D3W20M	131	51	3.3	50	20	17.00	18.00	1	364.010	170.270
NKM180D3W20M	135	54	3.3	50	20	18.00	18.00	1	364.010	170.270
NKM181D3W25M	146	55	3.5	56	25	18.01	19.00	2	364.011	170.272
NKM190D3W25M	149	57	3.6	56	25	19.00	19.99	2	364.011	170.272
NKM200D3W25M	152	60	3.8	56	25	20.00	21.00	3	364.011	170.272
NKM210D3W25M	156	63	4.0	56	25	21.00	22.00	3	364.011	170.272
NKM220D3W25M	159	66	4.0	56	25	22.00	22.00	3	364.011	170.272
NKM221D3W25M	159	67	4.2	56	25	22.01	23.00	4	364.011	170.272
NKM230D3W25M	162	69	4.4	56	25	23.00	24.00	4	364.011	170.272
NKM240D3W25M	165	72	4.4	56	25	24.00	24.00	4	364.011	170.272
NKM241D3W32M	175	73	4.6	60	32	24.01	25.00	5	364.012	170.274
NKM250D3W32M	179	75	4.7	60	32	25.00	26.00	5	364.012	170.274
NKM260D3W32M	182	78	4.7	60	32	26.00	26.00	5	364.012	170.274
NKM261D3W32M	182	79	4.9	60	32	26.01	27.00	6	364.012	170.274
NKM270D3W32M	185	81	5.1	60	32	27.00	28.00	6	364.012	170.274
NKM280D3W32M	188	84	5.1	60	32	28.00	28.00	6	364.012	170.274
NKM281D3W32M	188	85	5.3	60	32	28.01	29.00	7	364.013	170.276
NKM290D3W32M	192	87	5.5	60	32	29.00	30.00	7	364.013	170.276
NKM300D3W32M	195	90	5.5	60	32	30.00	30.00	7	364.013	170.276
NKM301D3W32M	195	91	5.6	60	32	30.01	31.00	8	364.013	170.276
NKM310D3W32M	198	93	5.8	60	32	31.00	32.00	8	364.013	170.276
NKM320D3W32M	202	96	5.8	60	32	32.00	32.00	8	364.013	170.276

Exchangeable Drill Holder • 3D

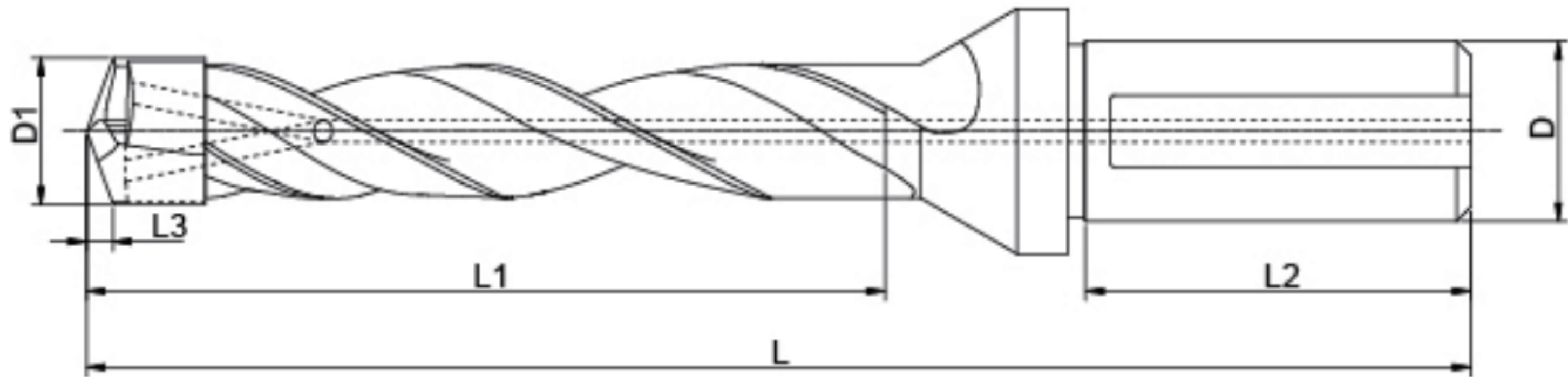
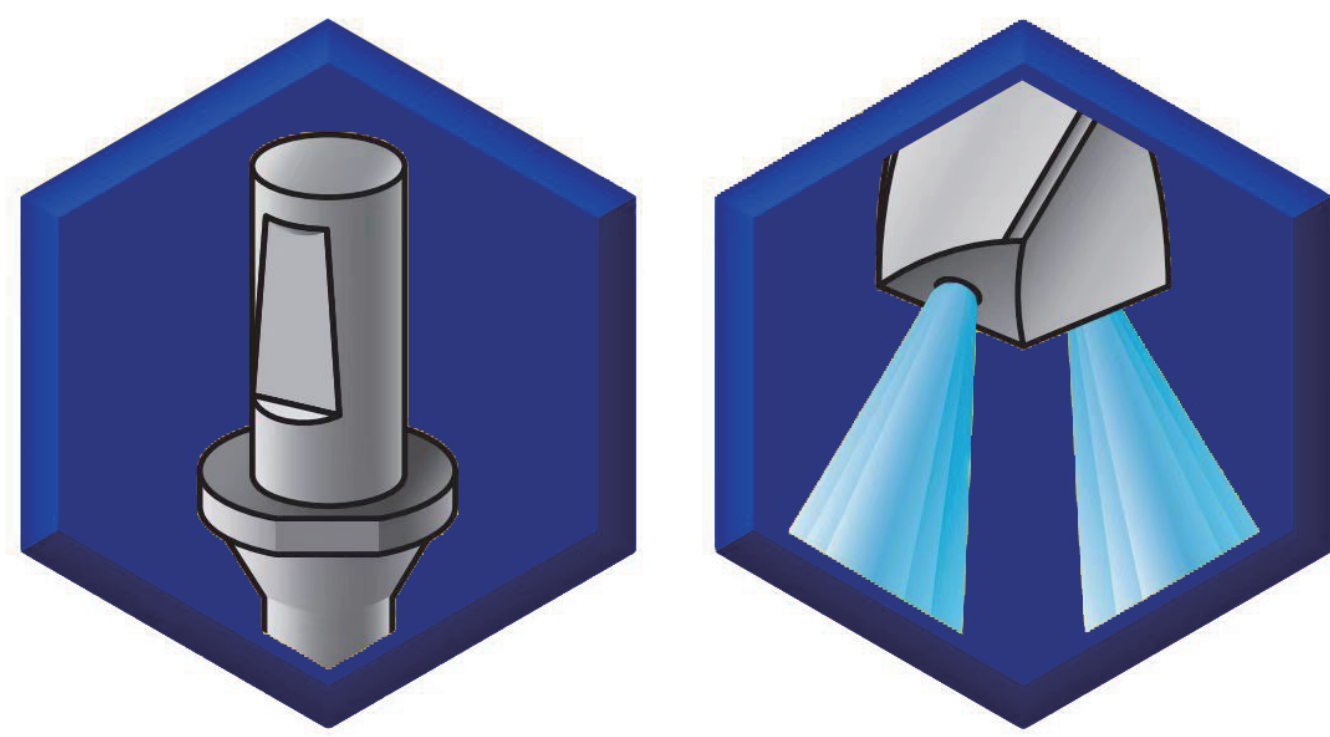
可换式钻杆 • 3D

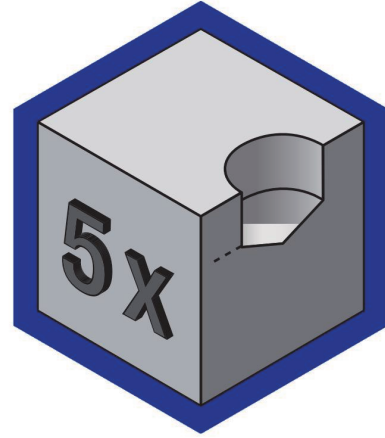
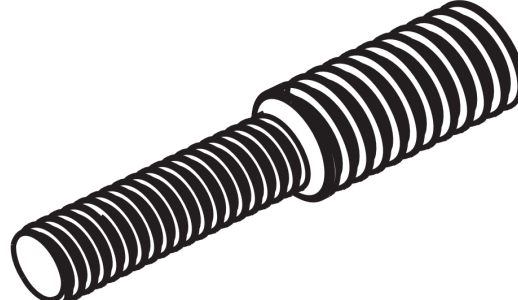
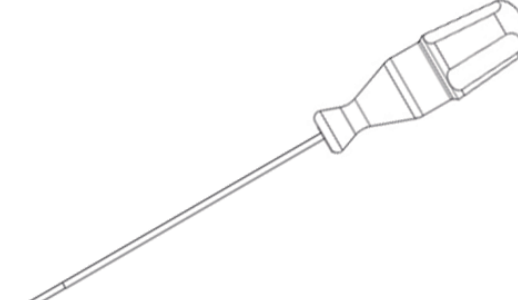


 3×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸		
						Min	Max		Axial clamping screw 中心锁紧螺钉	Wrench 扳手
NKM321D3W40M	220	97	6.0	70	40	32.01	33.00	9	364.015	170.276
NKM330D3W40M	223	99	6.2	70	40	33.00	34.00	9	364.015	170.276
NKM340D3W40M	226	102	6.4	70	40	34.00	35.00	9	364.015	170.276
NKM350D3W40M	229	105	6.6	70	40	35.00	36.00	9	364.015	170.276
NKM360D3W40M	232	108	6.6	70	40	36.00	36.00	9	364.015	170.276
NKM361D3W40M	233	109	6.7	70	40	36.01	37.00	10	364.015	170.276
NKM370D3W40M	236	111	6.9	70	40	37.00	38.00	10	364.015	170.276
NKM380D3W40M	239	114	7.1	70	40	38.00	39.00	10	364.015	170.276
NKM390D3W40M	242	117	7.3	70	40	39.00	40.00	10	364.015	170.276
NKM400D3W40M	246	120	7.3	70	40	40.00	40.00	10	364.015	170.276

Exchangeable Drill Holder • 5D

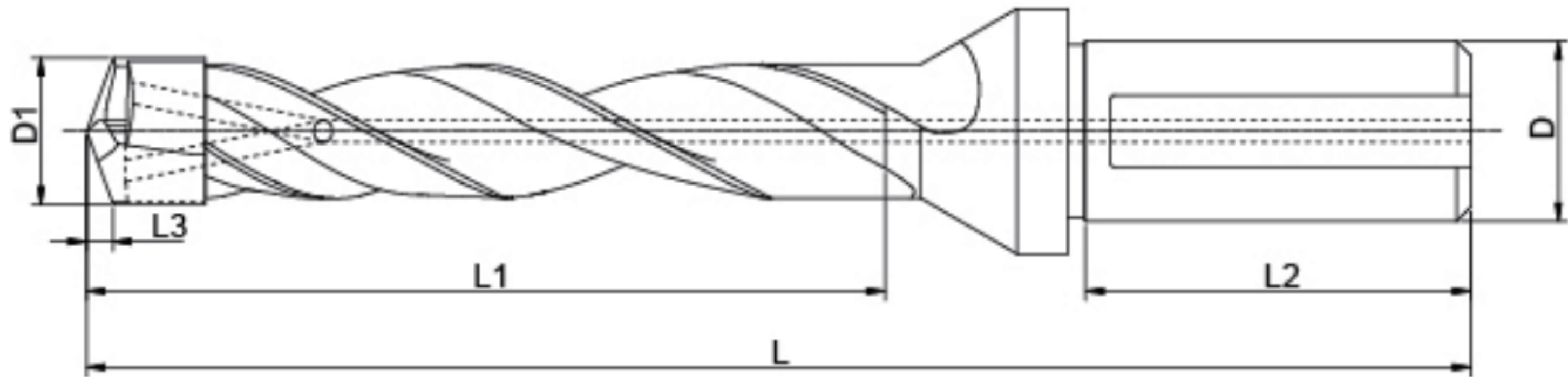
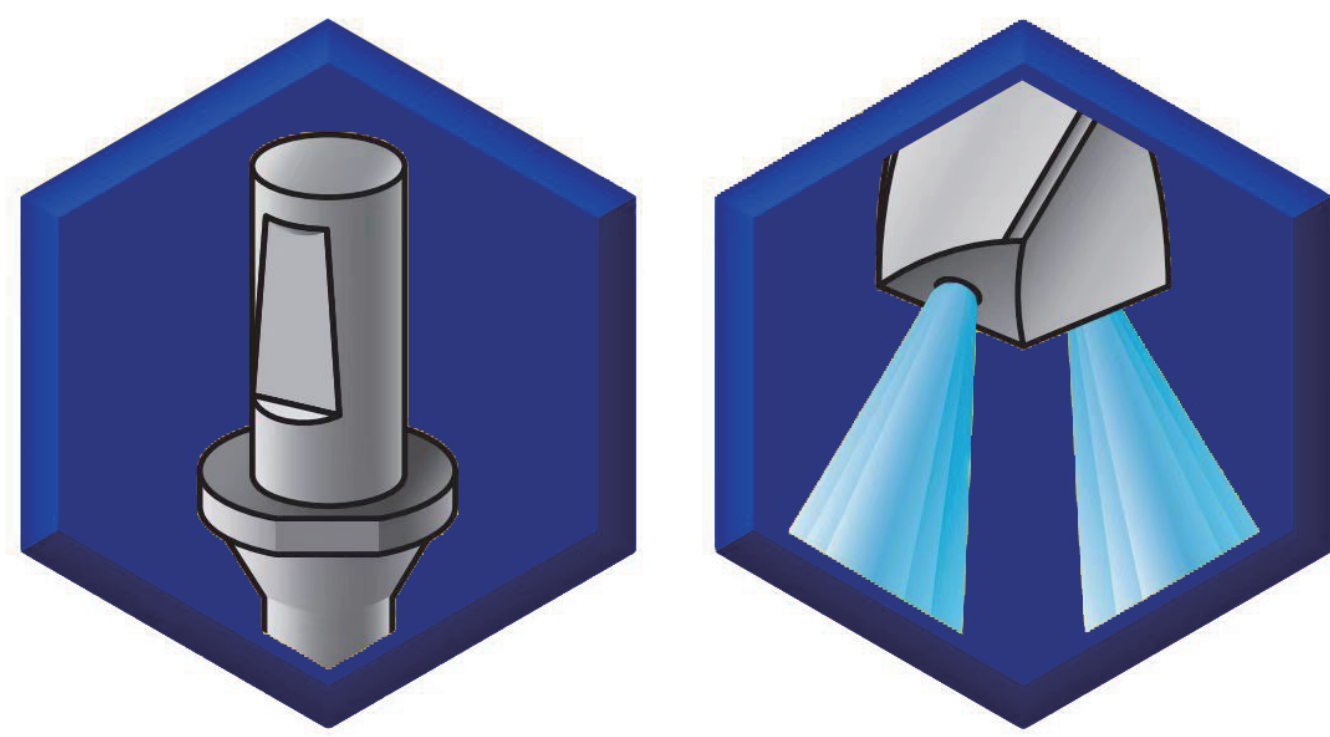
可换式钻杆 • 5D

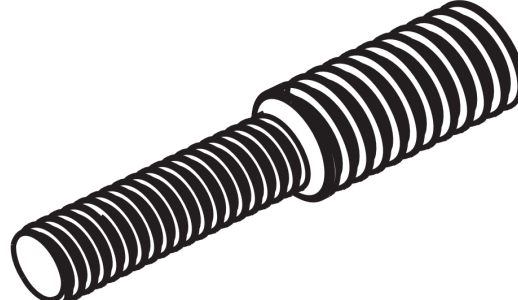
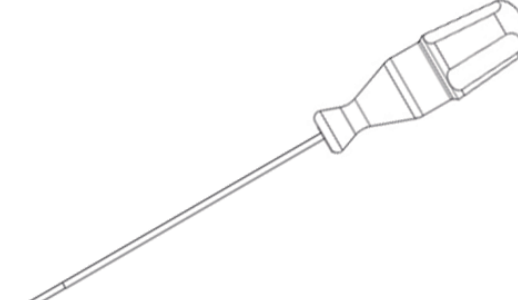


 5×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM125D5W16M	137	65	2.4	45	16	12.50	13.00	C	364.017	170.294
NKM130D5W16M	137	65	2.5	45	16	13.00	13.50	C	364.017	170.294
NKM135D5W16M	137	65	2.5	45	16	13.50	13.50	C	364.017	170.294
NKM136D5W16M	142	70	2.6	45	16	13.51	14.00	B	164.016	170.289
NKM140D5W16M	142	70	2.6	45	16	14.00	14.50	B	164.016	170.289
NKM145D5W16M	142	70	2.6	45	16	14.50	14.50	B	164.016	170.289
NKM146D5W20M	155	75	2.7	50	20	14.51	15.00	A	164.016	170.289
NKM150D5W20M	155	75	2.8	50	20	15.00	15.50	A	164.016	170.289
NKM155D5W20M	155	75	2.9	50	20	15.50	15.88	A	164.016	170.289
NKM160D5W20M	160	80	3.0	50	20	16.00	17.00	1	364.010	170.270
NKM170D5W20M	165	85	3.3	50	20	17.00	18.00	1	364.010	170.270
NKM180D5W20M	171	90	3.3	50	20	18.00	18.00	1	364.010	170.270
NKM181D5W25M	182	91	3.5	56	25	18.01	19.00	2	364.011	170.272
NKM190D5W25M	187	95	3.6	56	25	19.00	19.99	2	364.011	170.272
NKM200D5W25M	192	100	3.8	56	25	20.00	21.00	3	364.011	170.272
NKM210D5W25M	198	105	4.0	56	25	21.00	22.00	3	364.011	170.272
NKM220D5W25M	203	110	4.0	56	25	22.00	22.00	3	364.011	170.272
NKM221D5W25M	203	111	4.2	56	25	22.01	23.00	4	364.011	170.272
NKM230D5W25M	208	115	4.4	56	25	23.00	24.00	4	364.011	170.272
NKM240D5W25M	213	120	4.4	56	25	24.00	24.00	4	364.011	170.272
NKM241D5W32M	224	121	4.6	60	32	24.01	25.00	5	364.012	170.274
NKM250D5W32M	229	125	4.7	60	32	25.00	26.00	5	364.012	170.274
NKM260D5W32M	234	130	4.7	60	32	26.00	26.00	5	364.012	170.274
NKM261D5W32M	234	131	4.9	60	32	26.01	27.00	6	364.012	170.274
NKM270D5W32M	239	135	5.1	60	32	27.00	28.00	6	364.012	170.274
NKM280D5W32M	244	140	5.1	60	32	28.00	28.00	6	364.012	170.274
NKM281D5W32M	245	141	5.3	60	32	28.01	29.00	7	364.013	170.276
NKM290D5W32M	250	145	5.5	60	32	29.00	30.00	7	364.013	170.276
NKM300D5W32M	255	150	5.5	60	32	30.00	30.00	7	364.013	170.276
NKM301D5W32M	256	151	5.6	60	32	30.01	31.00	8	364.013	170.276
NKM310D5W32M	260	155	5.8	60	32	31.00	32.00	8	364.013	170.276
NKM320D5W32M	266	160	5.8	60	32	32.00	32.00	8	364.013	170.276

Exchangeable Drill Holder • 5D

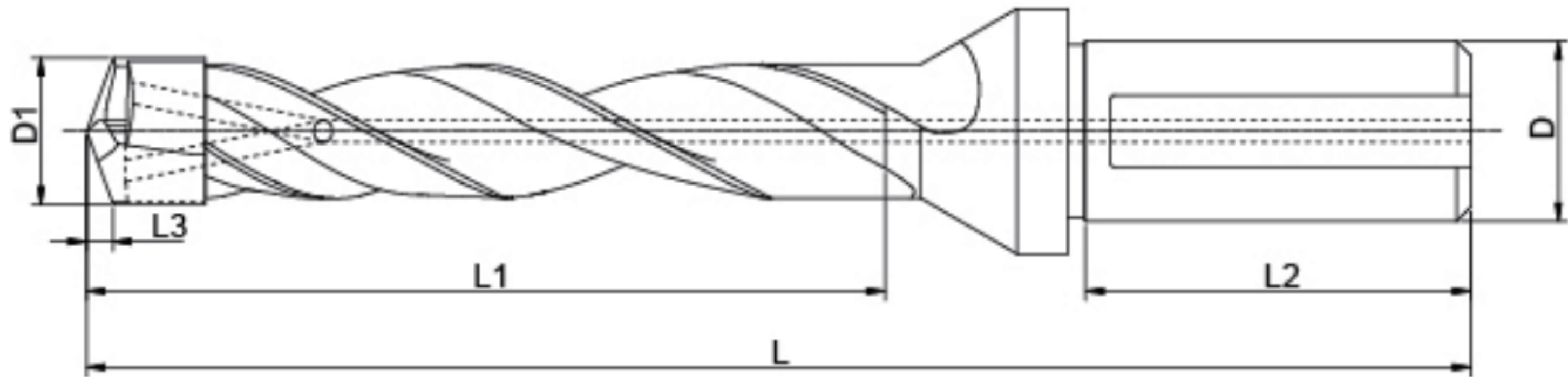
可换式钻杆 • 5D

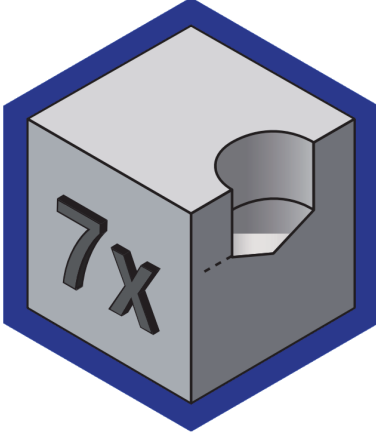
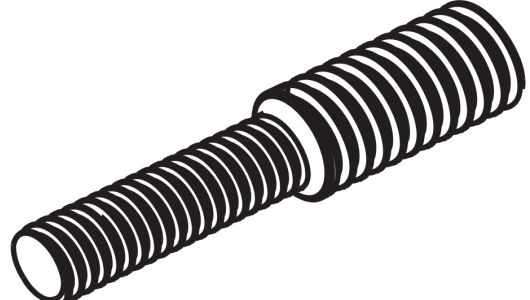
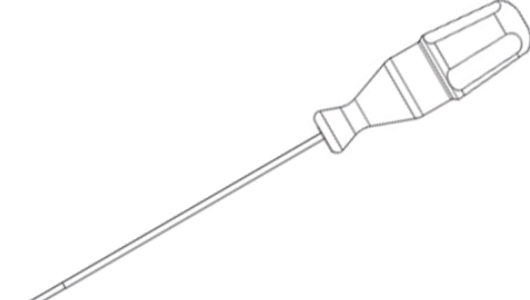


 5×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM321D5W40M	284	161	6.0	70	40	32.01	33.00	9	364.015	170.276
NKM330D5W40M	289	165	6.2	70	40	33.00	34.00	9	364.015	170.277
NKM340D5W40M	294	170	6.4	70	40	34.00	35.00	9	364.015	170.277
NKM350D5W40M	299	175	6.6	70	40	35.00	36.00	9	364.015	170.277
NKM360D5W40M	304	180	6.6	70	40	36.00	36.00	9	364.015	170.277
NKM361D5W40M	305	181	6.7	70	40	36.01	37.00	10	364.015	170.277
NKM370D5W40M	310	185	6.9	70	40	37.00	38.00	10	364.015	170.277
NKM380D5W40M	315	190	7.1	70	40	38.00	39.00	10	364.015	170.277
NKM390D5W40M	320	195	7.3	70	40	39.00	40.00	10	364.015	170.277
NKM400D5W40M	326	200	7.3	70	40	40.00	40.00	10	364.015	170.277

Exchangeable Drill Holder • 7D

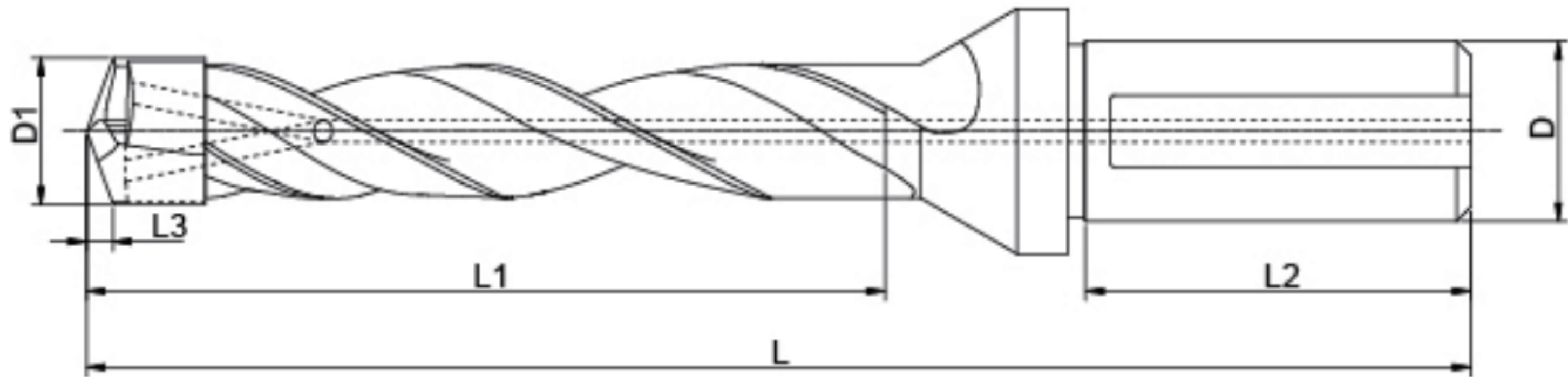
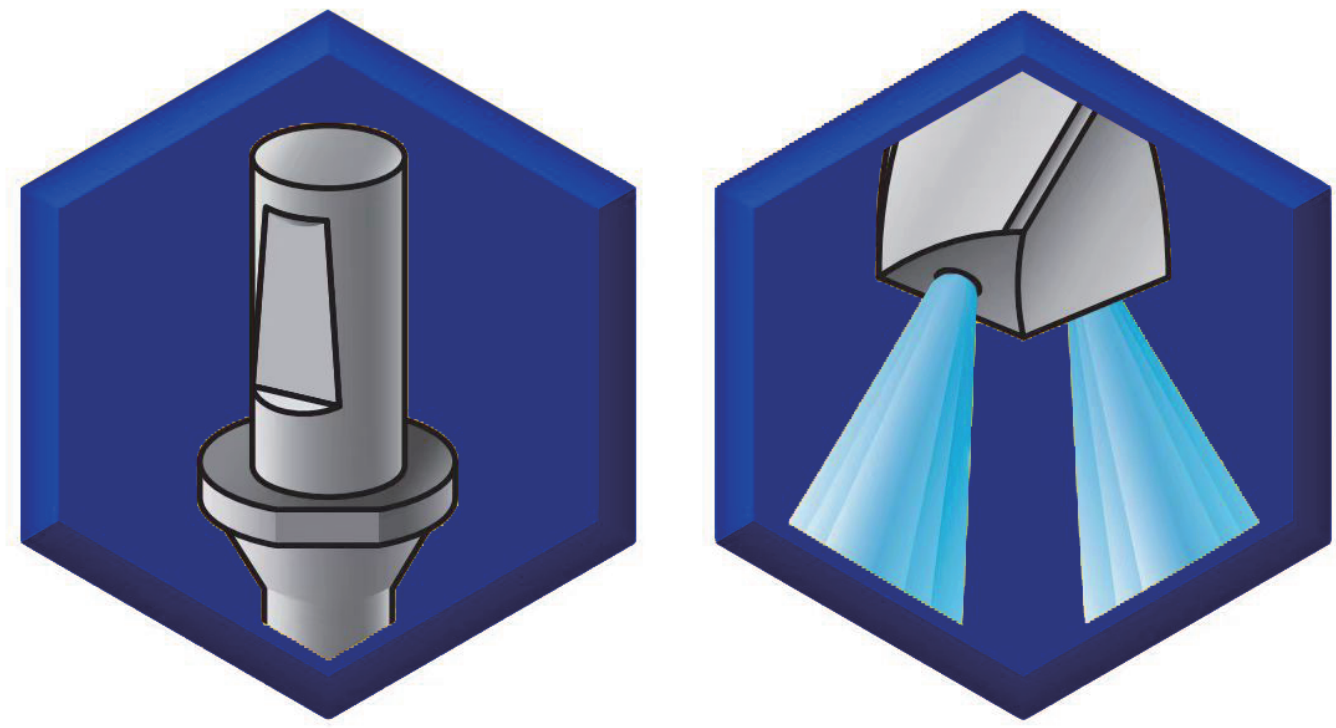
可换式钻杆 • 7D

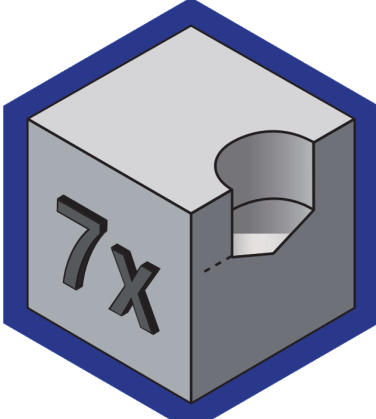
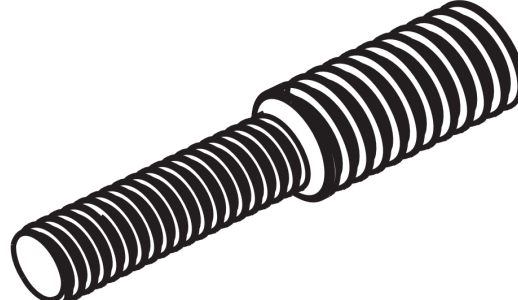
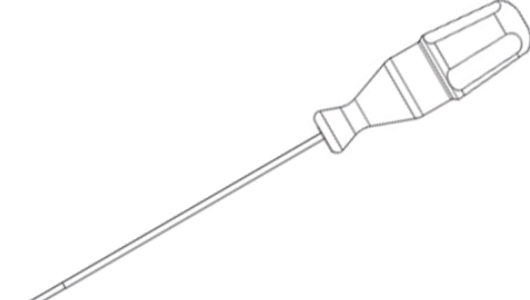


 7×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM125D7W16M	163	91	2.4	45	16	12.50	13.00	C	364.017	170.295
NKM130D7W16M	163	91	2.5	45	16	13.00	13.50	C	364.017	170.295
NKM135D7W16M	163	91	2.5	45	16	13.50	13.50	C	364.017	170.295
NKM136D7W16M	170	98	2.6	45	16	13.51	14.00	B	164.016	170.290
NKM140D7W16M	170	98	2.6	45	16	14.00	14.50	B	164.016	170.290
NKM145D7W16M	170	98	2.6	45	16	14.50	14.50	B	164.016	170.290
NKM146D7W20M	185	105	2.7	50	20	14.51	15.00	A	164.016	170.290
NKM150D7W20M	185	105	2.8	50	20	15.00	15.50	A	164.016	170.290
NKM155D7W20M	185	105	2.9	50	20	15.50	15.88	A	164.016	170.290
NKM160D7W20M	192	112	3.0	50	20	16.00	17.00	1	364.010	170.271
NKM170D7W20M	199	119	3.3	50	20	17.00	18.00	1	364.010	170.271
NKM180D7W20M	207	126	3.3	50	20	18.00	18.00	1	364.010	170.271
NKM181D7W25M	218	127	3.5	56	25	18.01	19.00	2	364.011	170.273
NKM190D7W25M	225	133	3.6	56	25	19.00	19.99	2	364.011	170.273
NKM200D7W25M	232	140	3.8	56	25	20.00	21.00	3	364.011	170.273
NKM210D7W25M	240	147	4.0	56	25	21.00	22.00	3	364.011	170.273
NKM220D7W25M	247	154	4.0	56	25	22.00	22.00	3	364.011	170.273
NKM221D7W25M	247	155	4.2	56	25	22.01	23.00	4	364.011	170.273
NKM230D7W25M	254	161	4.4	56	25	23.00	24.00	4	364.011	170.273
NKM240D7W25M	261	168	4.4	56	25	24.00	24.00	4	364.011	170.273
NKM241D7W32M	272	169	4.6	60	32	24.01	25.00	5	364.012	170.275
NKM250D7W32M	279	175	4.7	60	32	25.00	26.00	5	364.012	170.275
NKM260D7W32M	286	182	4.7	60	32	26.00	26.00	5	364.012	170.275
NKM261D7W32M	287	183	4.9	60	32	26.01	27.00	6	364.012	170.275
NKM270D7W32M	293	189	5.1	60	32	27.00	28.00	6	364.012	170.275
NKM280D7W32M	300	196	5.1	60	32	28.00	28.00	6	364.012	170.275
NKM281D7W32M	301	197	5.3	60	32	28.01	29.00	7	364.013	170.277
NKM290D7W32M	308	203	5.5	60	32	29.00	30.00	7	364.013	170.277
NKM300D7W32M	315	210	5.5	60	32	30.00	30.00	7	364.013	170.277
NKM301D7W32M	316	211	5.6	60	32	30.01	31.00	8	364.013	170.277
NKM310D7W32M	322	217	5.8	60	32	31.00	32.00	8	364.013	170.277
NKM320D7W32M	330	224	5.8	60	32	32.00	32.00	8	364.013	170.277

Exchangeable Drill Holder • 7D

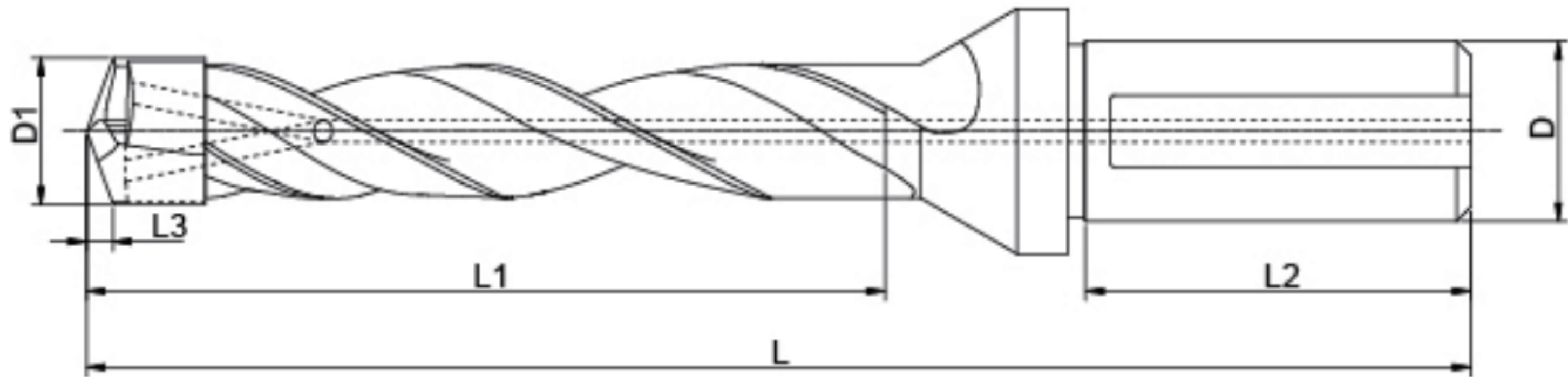
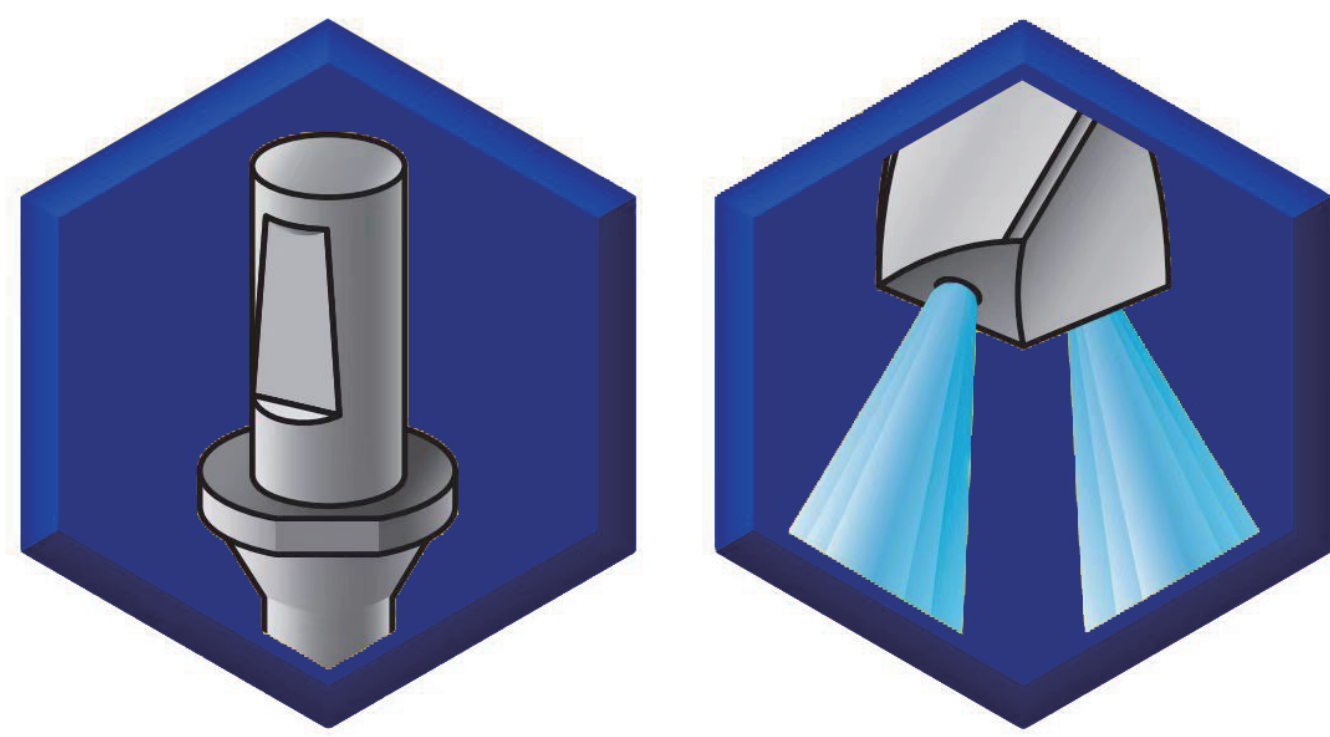
可换式钻杆 • 7D

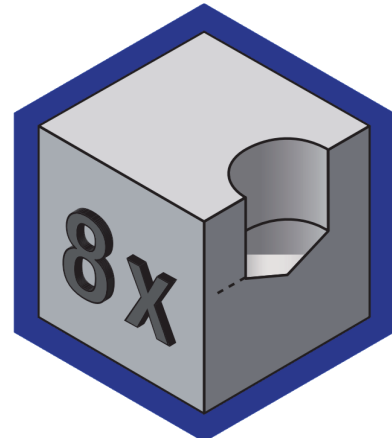
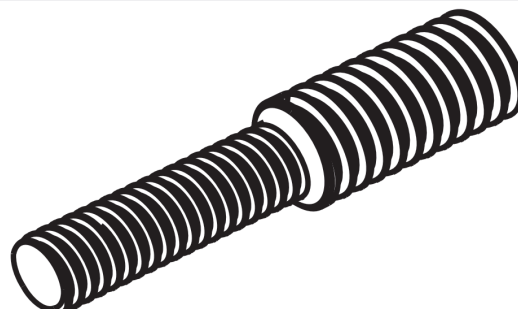
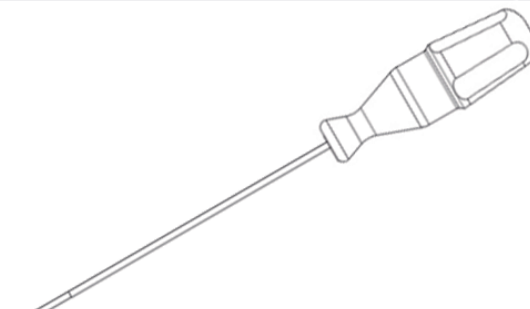


 7×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸		
						Min	Max		Axial clamping screw 中心锁紧螺钉	Wrench 扳手
NKM321D7W40M	348	225	6.0	70	40	32.01	33.00	9	364.015	170.277
NKM330D7W40M	355	231	6.2	70	40	33.00	34.00	9	364.015	170.284
NKM340D7W40M	362	238	6.4	70	40	34.00	35.00	9	364.015	170.284
NKM350D7W40M	369	245	6.6	70	40	35.00	36.00	9	364.015	170.284
NKM360D7W40M	376	252	6.6	70	40	36.00	36.00	9	364.015	170.284
NKM361D7W40M	377	253	6.7	70	40	36.01	37.00	10	364.015	170.284
NKM370D7W40M	384	259	6.9	70	40	37.00	38.00	10	364.015	170.284
NKM380D7W40M	391	266	7.1	70	40	38.00	39.00	10	364.015	170.284
NKM390D7W40M	398	273	7.3	70	40	39.00	40.00	10	364.015	170.284

Exchangeable Drill Holder • 8D

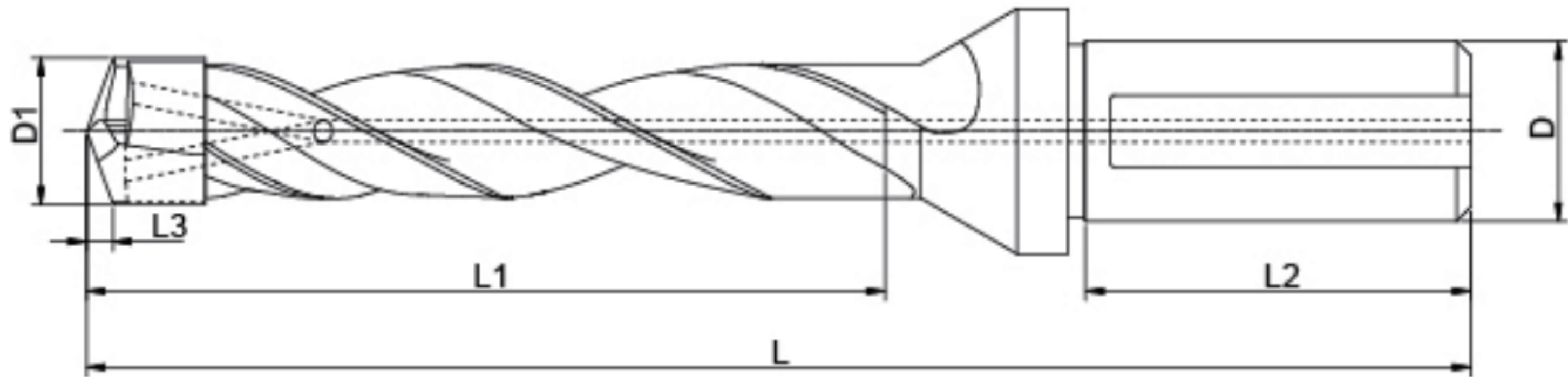
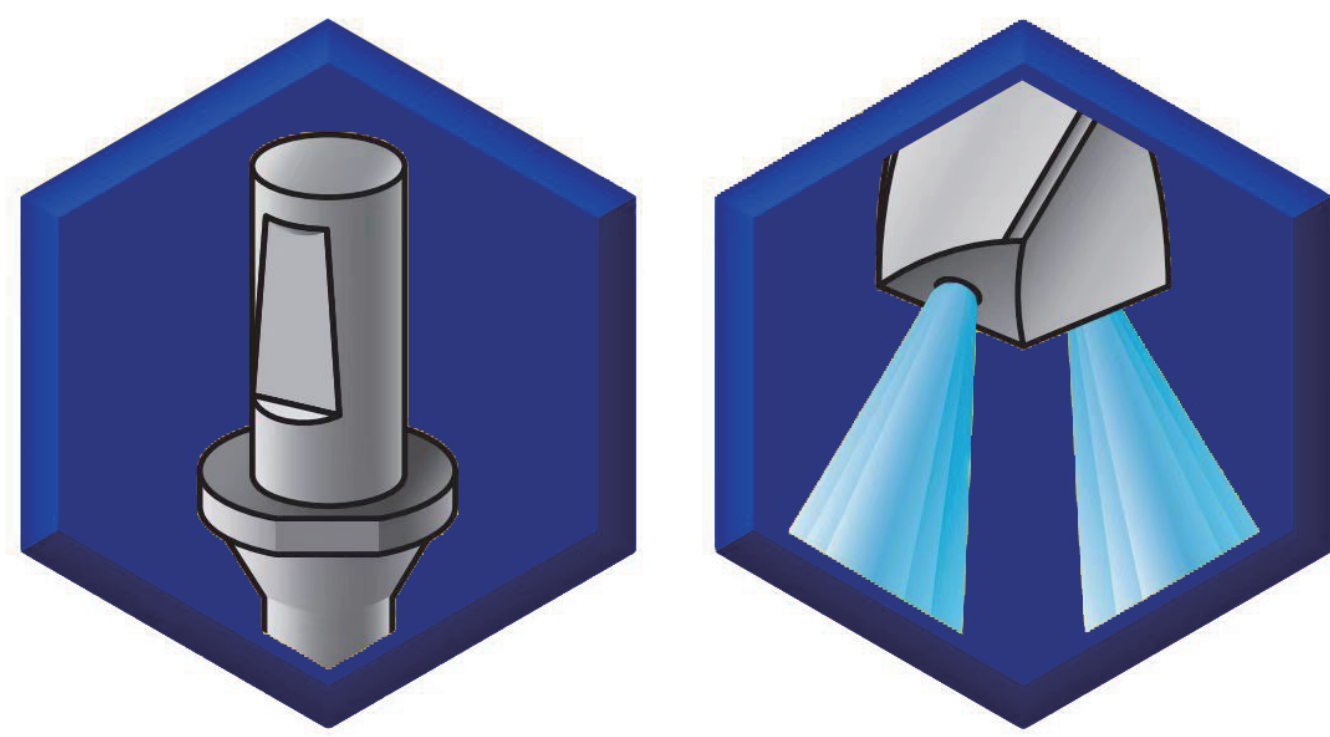
可换式钻杆 • 8D

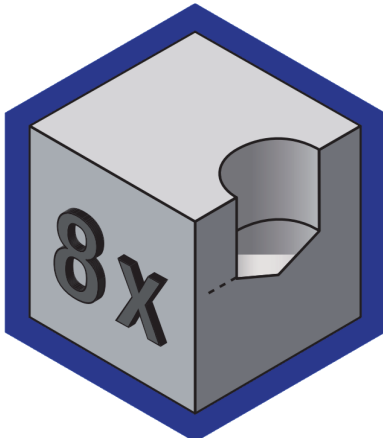
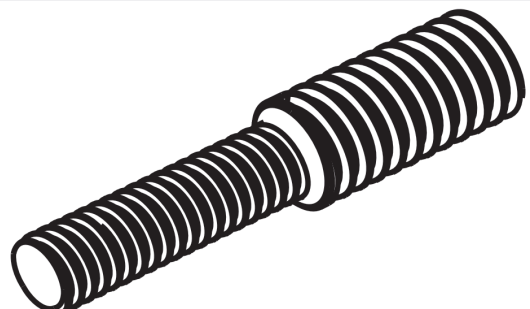
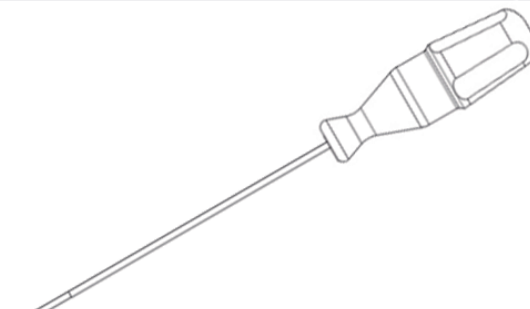


 8×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM125D8W16M	176	104	2.4	45	16	12.50	13.00	C	364.017	170.295
NKM130D8W16M	176	104	2.5	45	16	13.00	13.50	C	364.017	170.295
NKM135D8W16M	176	104	2.5	45	16	13.50	13.50	C	164.016	170.295
NKM136D8W16M	184	112	2.6	45	16	13.51	14.00	B	164.016	170.290
NKM140D8W16M	184	112	2.6	45	16	14.00	14.50	B	164.016	170.290
NKM145D8W16M	184	112	2.6	45	16	14.50	14.50	B	164.016	170.290
NKM146D8W20M	200	120	2.7	50	20	14.51	15.00	A	164.016	170.290
NKM150D8W20M	200	120	2.8	50	20	15.00	15.50	A	164.016	170.290
NKM155D8W20M	200	120	2.9	50	20	15.50	15.88	A	164.016	170.290
NKM160D8W20M	208	128	3.0	50	20	16.00	17.00	1	364.010	170.271
NKM170D8W20M	216	136	3.3	50	20	17.00	18.00	1	364.010	170.271
NKM180D8W20M	225	144	3.3	50	20	18.00	18.00	1	364.010	170.271
NKM181D8W25M	236	145	3.5	56	25	18.01	19.00	2	364.011	170.273
NKM190D8W25M	244	152	3.6	56	25	19.00	19.99	2	364.011	170.273
NKM200D8W25M	252	160	3.8	56	25	20.00	21.00	3	364.011	170.273
NKM210D8W25M	261	168	4.0	56	25	21.00	22.00	3	364.011	170.273
NKM220D8W25M	269	176	4.0	56	25	22.00	22.00	3	364.011	170.282
NKM221D8W25M	270	177	4.2	56	25	22.01	23.00	4	364.011	170.282
NKM230D8W25M	277	184	4.4	56	25	23.00	24.00	4	364.011	170.282
NKM240D8W25M	285	192	4.4	56	25	24.00	24.00	4	364.011	170.282
NKM241D8W32M	296	193	4.6	60	32	24.01	25.00	5	364.012	170.275
NKM250D8W32M	304	200	4.7	60	32	25.00	26.00	5	364.012	170.275
NKM260D8W32M	312	208	4.7	60	32	26.00	26.00	5	364.012	170.283
NKM261D8W32M	313	209	4.9	60	32	26.01	27.00	6	364.012	170.283
NKM270D8W32M	320	216	5.1	60	32	27.00	28.00	6	364.012	170.283
NKM280D8W32M	328	224	5.1	60	32	28.00	28.00	6	364.012	170.283
NKM281D8W32M	329	225	5.3	60	32	28.01	29.00	7	364.013	170.277
NKM290D8W32M	337	232	5.5	60	32	29.00	30.00	7	364.013	170.277
NKM300D8W32M	345	240	5.5	60	32	30.00	30.00	7	364.013	170.284
NKM301D8W32M	346	241	5.6	60	32	30.01	31.00	8	364.013	170.284
NKM310D8W32M	353	248	5.8	60	32	31.00	32.00	8	364.013	170.284
NKM320D8W32M	362	256	5.8	60	32	32.00	32.00	8	364.013	170.284

Exchangeable Drill Holder • 8D

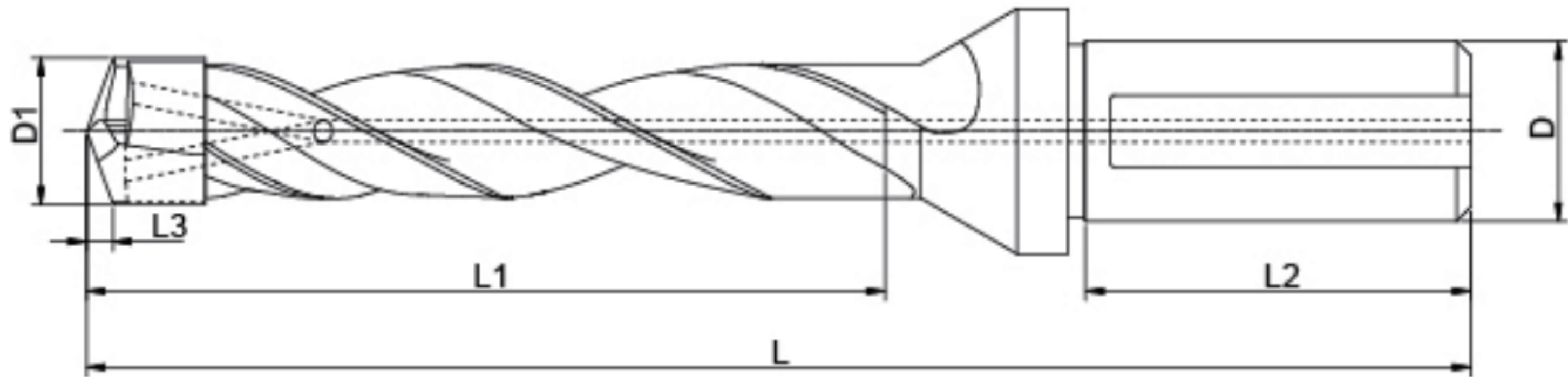
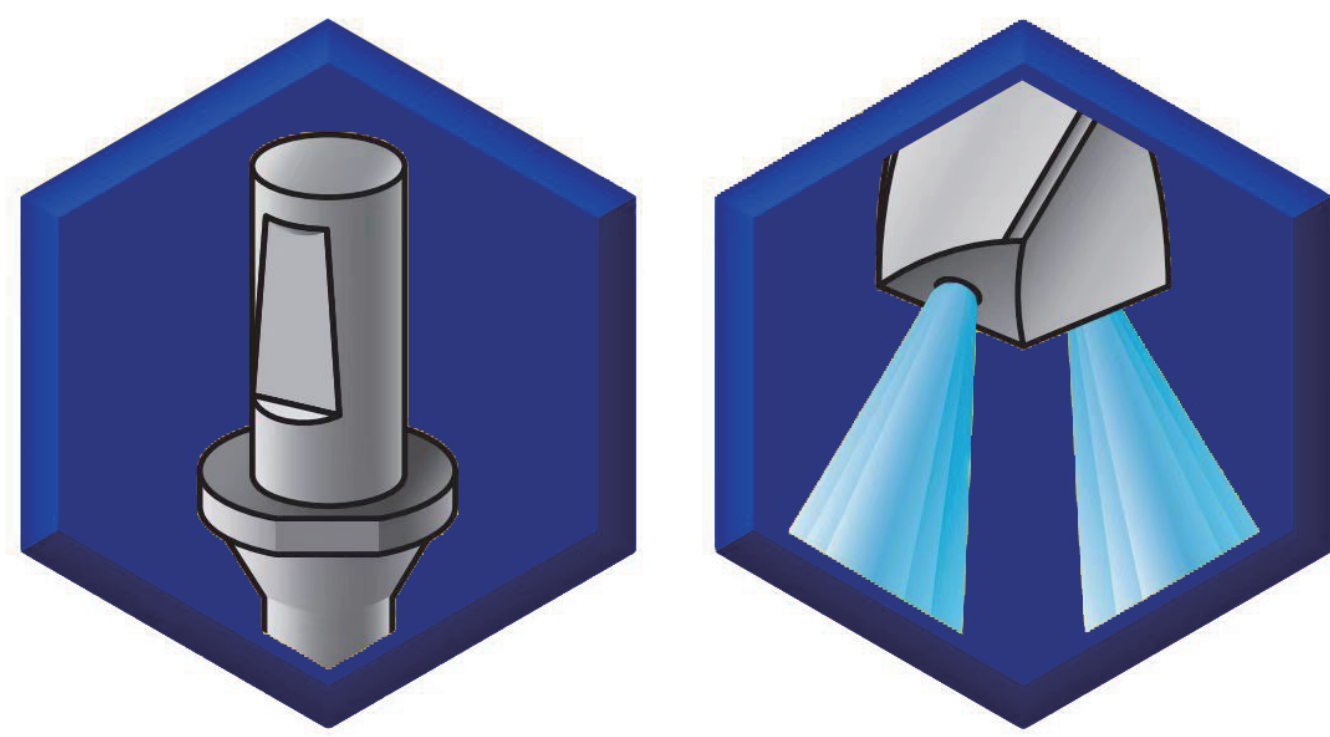
可换式钻杆 • 8D

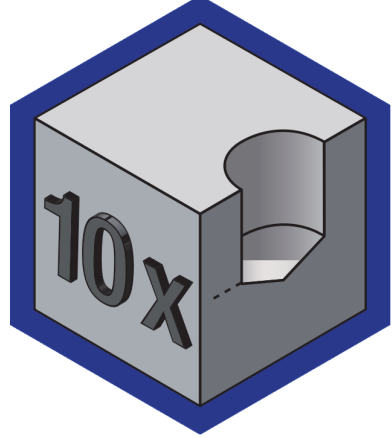
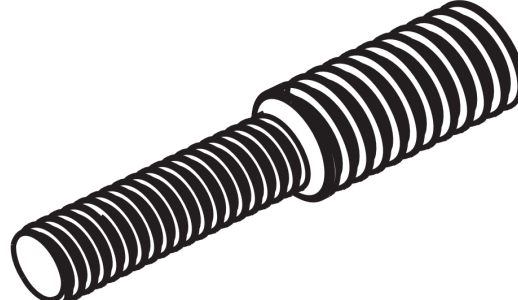
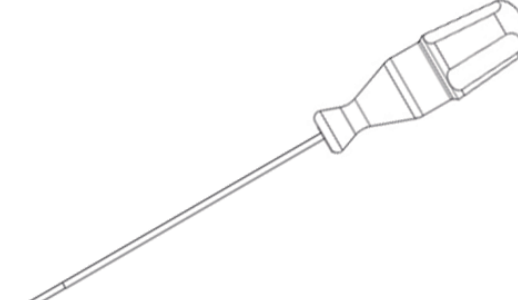


 8×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM321D8W40M	380	257	6.0	70	40	32.01	33.00	9	364.015	170.284
NKM330D8W40M	388	264	6.2	70	40	33.00	34.00	9	364.015	170.284
NKM340D8W40M	396	272	6.4	70	40	34.00	35.00	9	364.015	170.284
NKM350D8W40M	404	280	6.6	70	40	35.00	36.00	9	364.015	170.284
NKM360D8W40M	412	288	6.6	70	40	36.00	36.00	9	364.015	170.284
NKM361D8W40M	413	289	6.7	70	40	36.01	37.00	10	364.015	170.284
NKM370D8W40M	421	296	6.9	70	40	37.00	38.00	10	364.015	170.284
NKM380D8W40M	429	304	7.1	70	40	38.00	39.00	10	364.015	170.284
NKM390D8W40M	437	312	7.3	70	40	39.00	40.00	10	364.015	170.284

Exchangeable Drill Holder • 10D

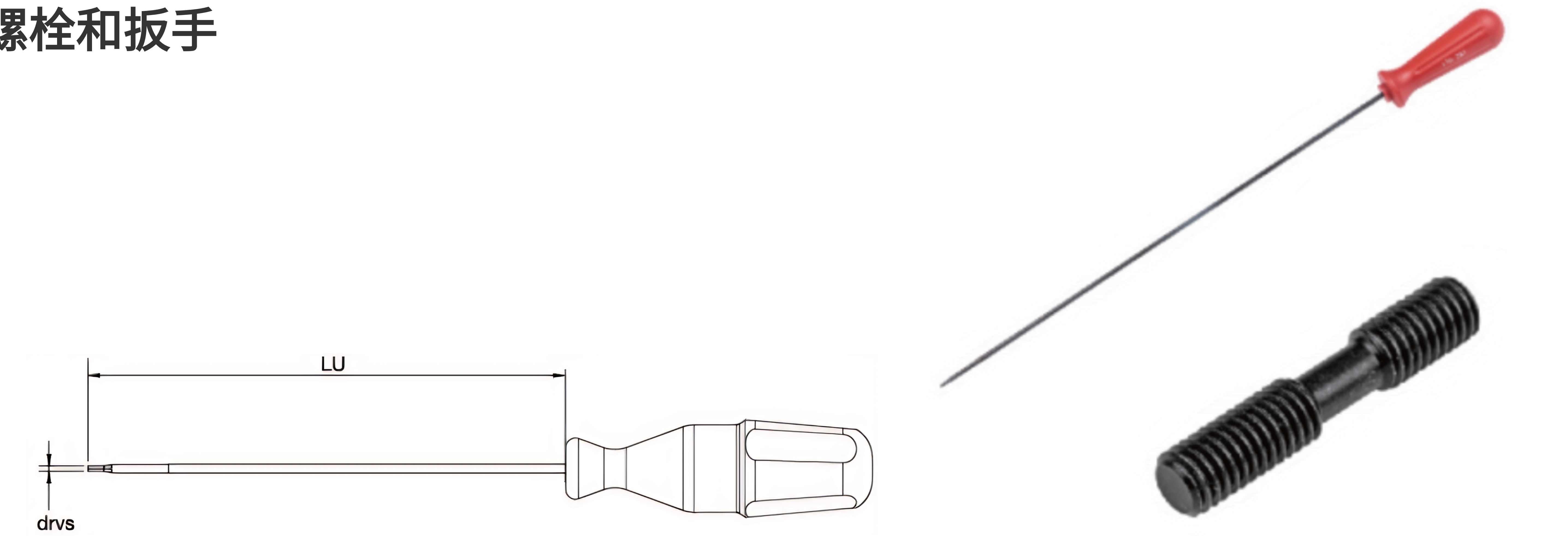
可换式钻杆 • 10D

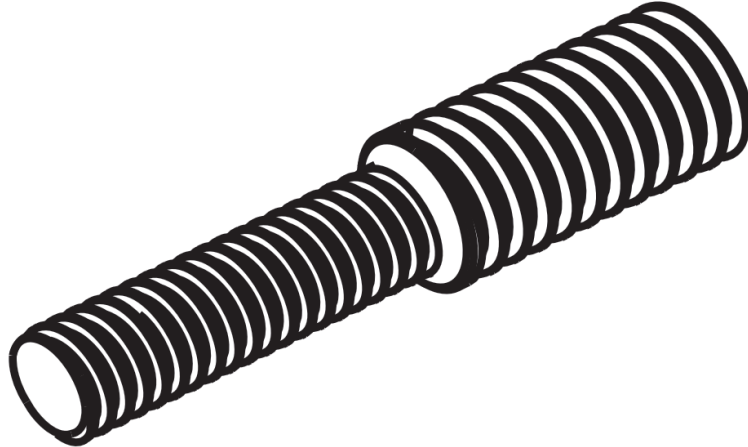
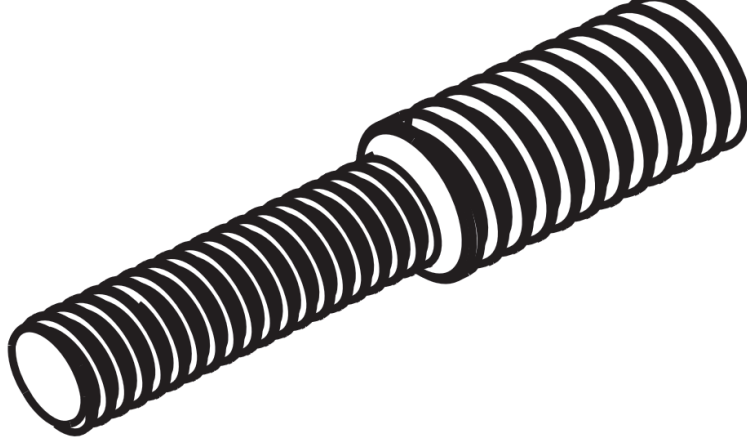


 10×D	L mm	L1 mm	L3 mm	L2 mm	D mm	D1 mm		Holder type 刀座 尺寸	 Axial clamping screw 中心锁紧螺钉	 Wrench 扳手
						Min	Max			
NKM160D10W20M	240	160	3.0	50	20	16.00	17.00	1	364.010	170.271
NKM170D10W20M	250	170	3.3	50	20	17.00	18.00	1	364.010	170.271
NKM180D10W20M	261	180	3.3	50	20	18.00	18.00	1	364.010	170.271
NKM181D10W25M	273	181	3.5	56	25	18.01	19.00	2	364.011	170.273
NKM190D10W25M	282	190	3.6	56	25	19.00	19.99	2	364.011	170.273
NKM200D10W25M	292	200	3.8	56	25	20.00	21.00	3	364.011	170.273
NKM210D10W25M	303	210	4.0	56	25	21.00	22.00	3	364.011	170.273
NKM220D10W25M	313	220	4.0	56	25	22.00	22.00	3	364.011	170.282
NKM221D10W25M	313	221	4.2	56	25	22.01	23.00	4	364.011	170.282
NKM230D10W25M	323	230	4.4	56	25	23.00	24.00	4	364.011	170.282
NKM240D10W25M	333	240	4.4	56	25	24.00	24.00	4	364.011	170.282
NKM241D10W32M	344	241	4.6	60	32	24.01	25.00	5	364.012	170.275
NKM250D10W32M	354	250	4.7	60	32	25.00	26.00	5	364.012	170.275
NKM260D10W32M	364	260	4.7	60	32	26.00	26.00	5	364.012	170.283
NKM261D10W32M	365	261	4.9	60	32	26.01	27.00	6	364.012	170.283
NKM270D10W32M	374	270	5.1	60	32	27.00	28.00	6	364.012	170.283
NKM280D10W32M	384	280	5.1	60	32	28.00	28.00	6	364.012	170.283
NKM281D10W32M	385	281	5.3	60	32	28.01	29.00	7	364.013	170.277
NKM290D10W32M	395	290	5.5	60	32	29.00	30.00	7	364.013	170.277
NKM300D10W32M	405	300	5.5	60	32	30.00	30.00	7	364.013	170.284
NKM301D10W32M	406	301	5.6	60	32	30.01	31.00	8	364.013	170.284
NKM310D10W32M	415	310	5.8	60	32	31.00	32.00	8	364.013	170.284
NKM320D10W32M	443	320	5.8	70	40	32.00	32.00	8	364.013	170.284

Bolts and Wrenches

螺栓和扳手



Wrench code 扳手代码	DRVS	LU			
		Min	Max	Axial clamping screw D1<32mm	Axial clamping screw D1<32mm
170.270	1.5mm	185	7	364.010	
170.271	1.5mm	225	9	364.010	
170.281	1.5mm	297	12	364.010	
170.285	1.5mm	360	14	364.010	
170.272	2mm	210	8	364.011	
170.273	2mm	260	10	364.011	
170.282	2mm	343	14	364.011	
170.088	2mm	400	16	364.011	
170.274	2.5mm	240	12	364.012	
170.275	2.5mm	295	15	364.012	
170.283	2.5mm	393	18	364.012	
170.276	3mm	265	10	364.013	364.015
170.277	3mm	330	13	364.013	364.015
170.284	3mm	440	17	364.013	364.015
170.294	T5	156	6	364.017	
170.295	T5	188	7	364.017	
170.296	T5	290	11	364.017	
170.289	T6	156	6	364.016	
170.290	T6	188	7	364.016	
170.291	T6	290	11	364.016	

Customer Cases

客户案例



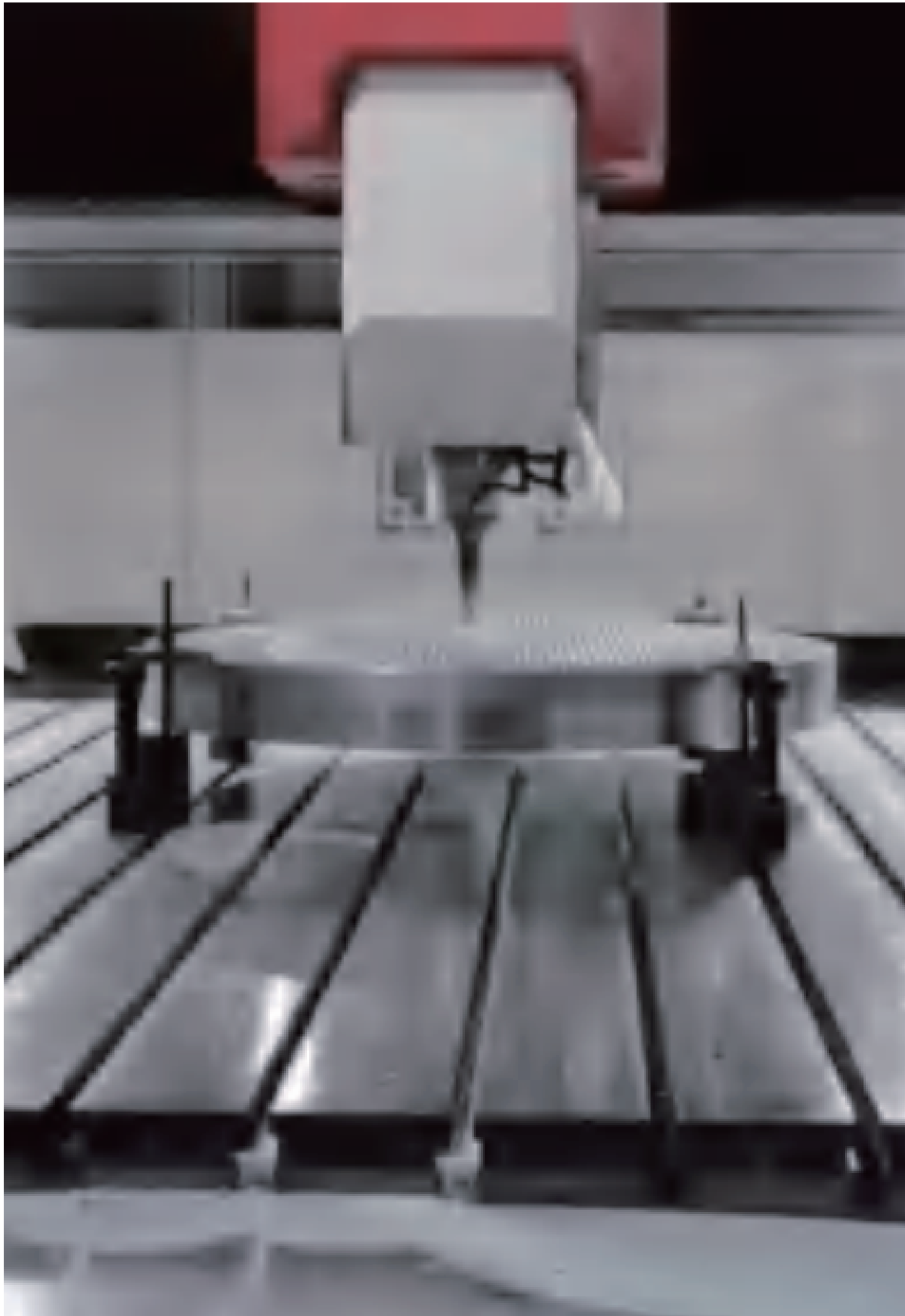
Machine Model	Fein Double Axis Gantry
Drill Model	D25.30-S Crown Drill
Material	304
Material Hardness	<HB240
Through Blind Hole	Through Hole
Hole Depth	160mm
Shank Type	BT50
Cooling Condition	Emulsion
Cutting Speed	59.6m/min
Feed Per Revolution	0.133
Processing Life	30m
Processing Effect	Customer satisfaction



Machine Model	Wuzhong Double Axis Gantry
Drill Model	D19.30-T Crown Drill
Material	16Mn
Material Hardness	<HB200
Through Blind Hole	Through Hole
Hole Depth	170mm
Shank Type	BT50
Cooling Condition	Emulsion
Cutting Speed	96.7m/min
Feed Per Revolution	0.212
Processing Life	35-40m
Processing Effect	Customer satisfaction



Machine Model	Haitian Longmen
Drill Model	D25.30/25.28-T Crown Drill
Material	S304-16Mn
Material Hardness	<HB200
Through Blind Hole	Through Hole
Hole Depth	15+105mm
Shank Type	BT50
Cooling Condition	Emulsion
Cutting Speed	63.5/107.25m/min
Feed Per Revolution	0.11/0.238
Processing Life	35-40m
Processing Effect	Customer satisfaction



Machine Model	Jiayou
Drill Model	D19.30-S Crown Drill
Material	16Mn
Material Hardness	<HB200
Through Blind Hole	Through Hole
Hole Depth	150mm
Shank Type	BT50
Cooling Condition	Emulsion
Cutting Speed	66.7m/min
Feed Per Revolution	0.1
Processing Life	30-35m
Processing Effect	Customer satisfaction



Machine Model	Four axis gantry
Drill Model	D29.3-T Crown Drill
Material	SA-336F1
Material Hardness	<HB280
Through Blind Hole	Through Hole
Hole Depth	200mm
Shank Type	BT50
Cooling Condition	Emulsion
Cutting Speed	142.2m/min
Feed Per Revolution	0.24
Processing Life	35m
Processing Effect	Customer satisfaction

DRILLIN TOOLS CATALOGUE

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