

# MODULAR DRILLS CATALOGUE



Nigel Precision Machinery(shanghai)Co.,Ltd







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## 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.

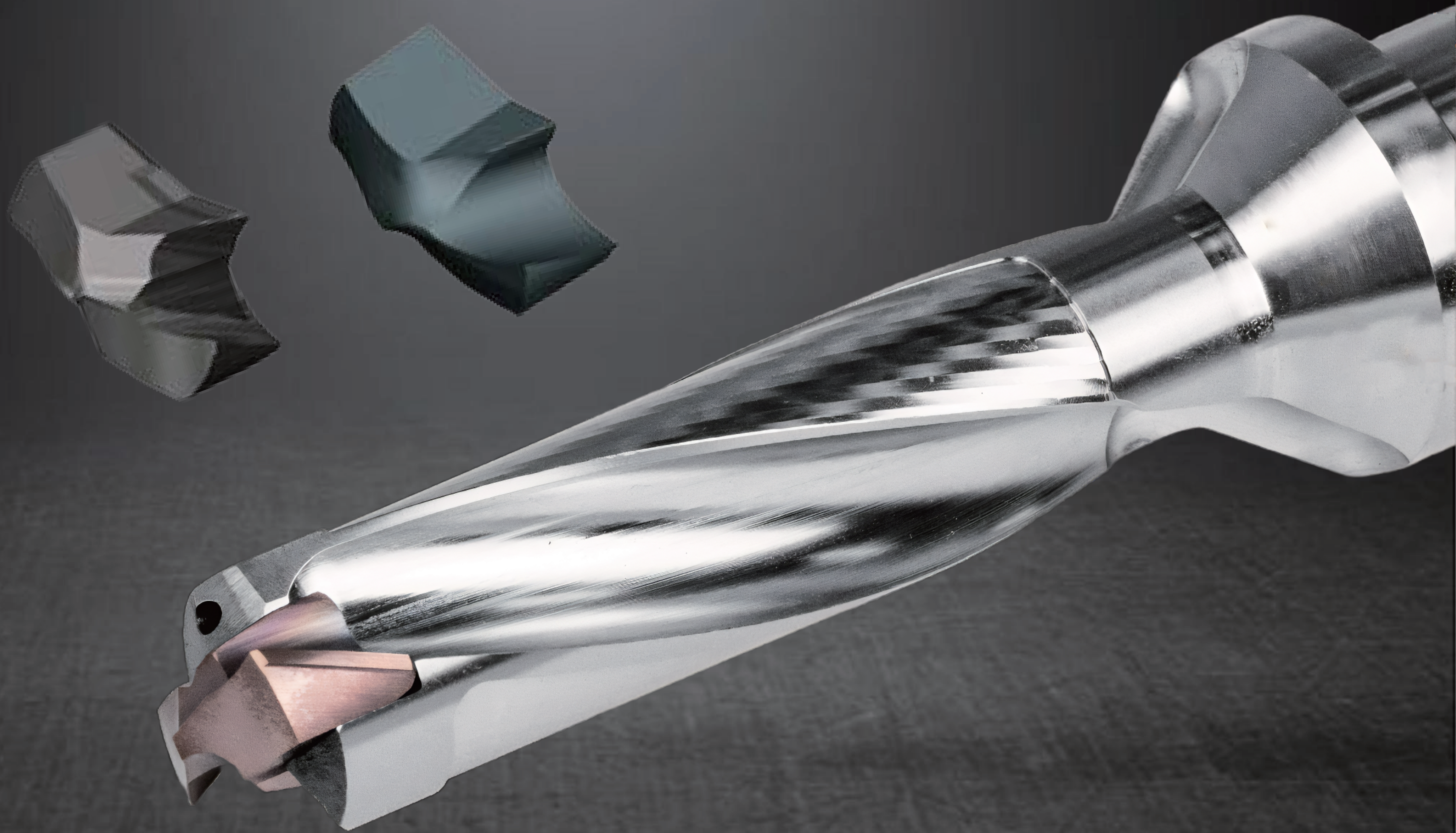




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# MODULAR DRILLS SERIES

模块化钻头系列



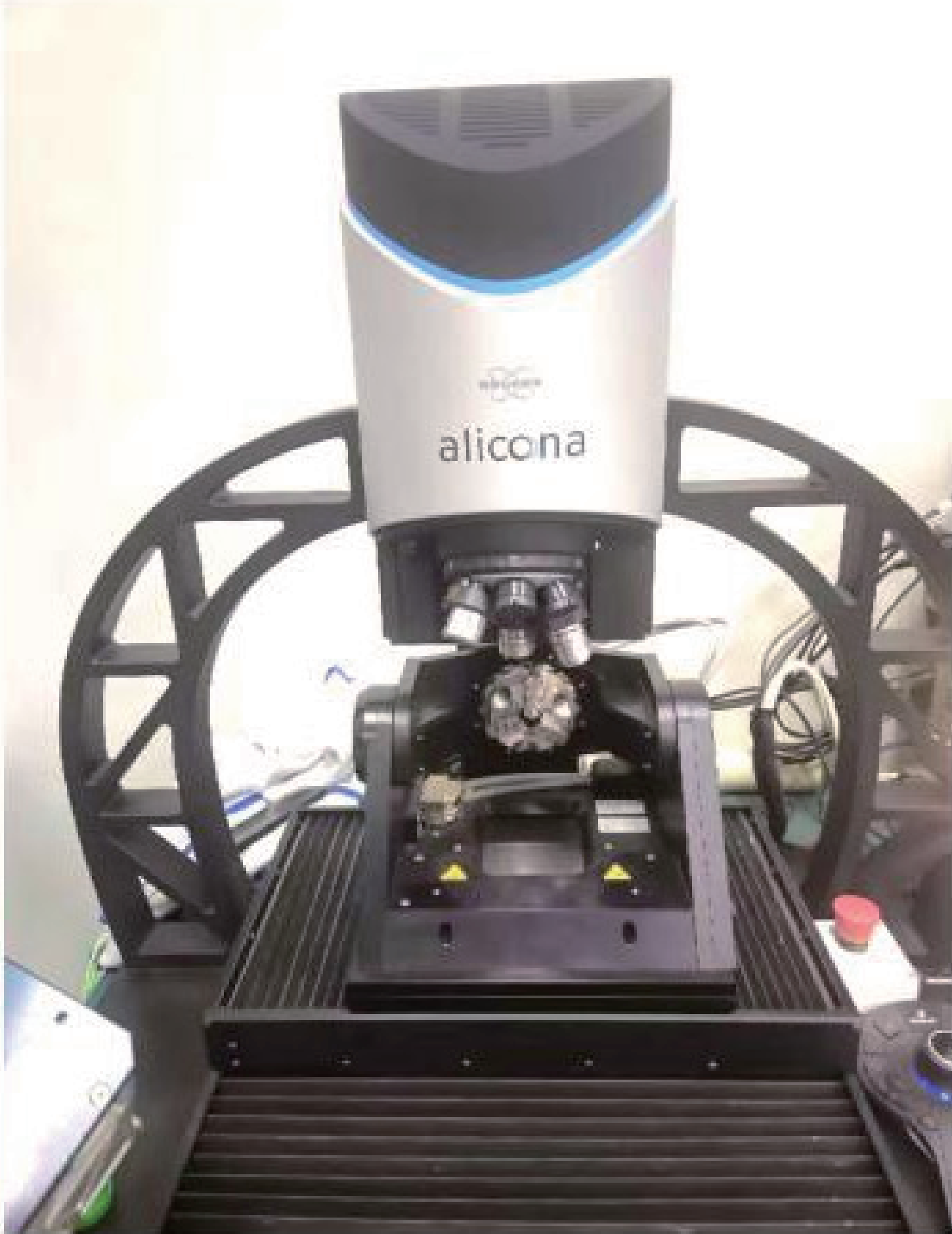


Manufacturing  
Equipment

制造设备



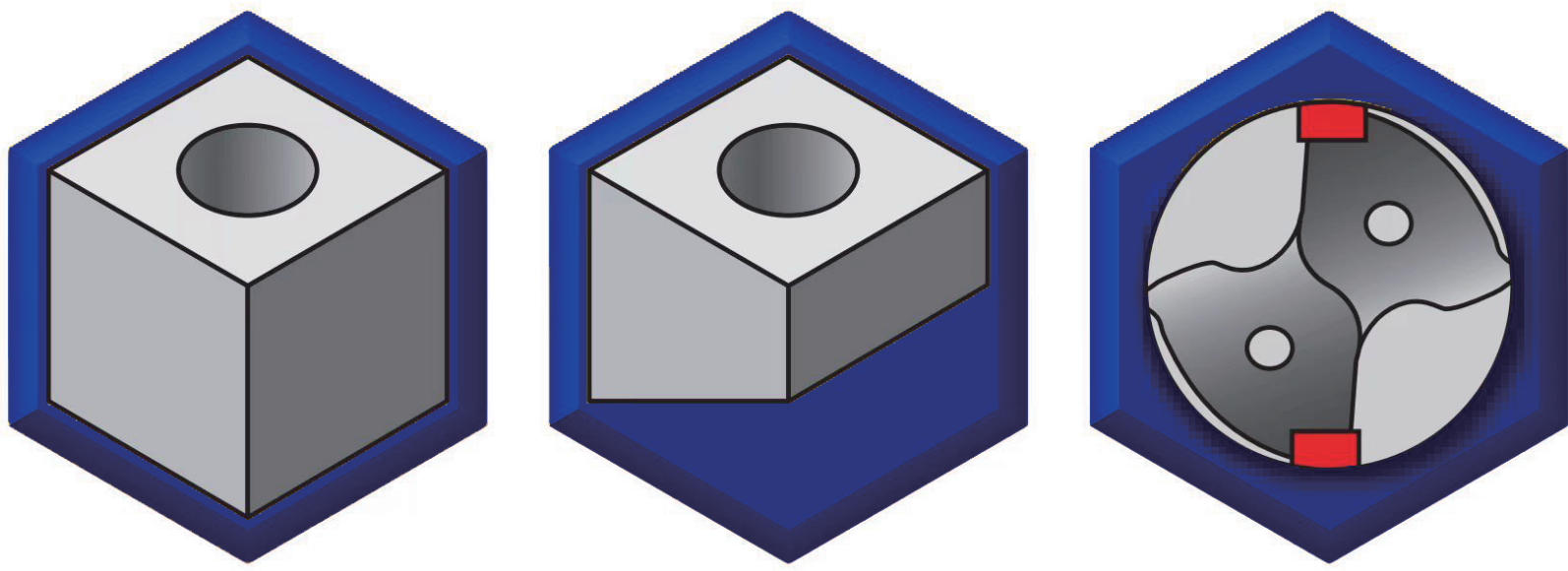
Inspection Equipment 检测设备





Drill Inserts Grade Introduction

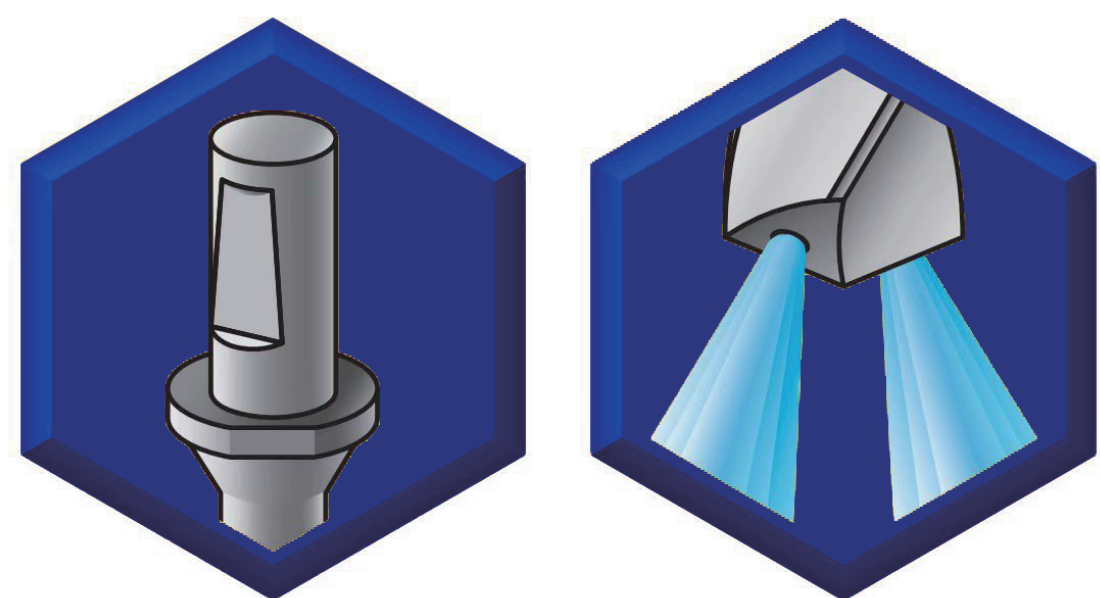
钻头材质介绍



| Grade Code<br>材质编号 | Introduction<br>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)<br>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 |
|                    | K                  |                                                                                                                                                                                                                |
| N320               | M                  | N320 grade is particularly suitable for processing stainless steel and hard-to-process materials(PVD Coating)<br>N320材质特别适合加工不锈钢工件和难加工材料                                                                       |
|                    | S                  |                                                                                                                                                                                                                |

Drills Holder Introduction

钻杆介绍

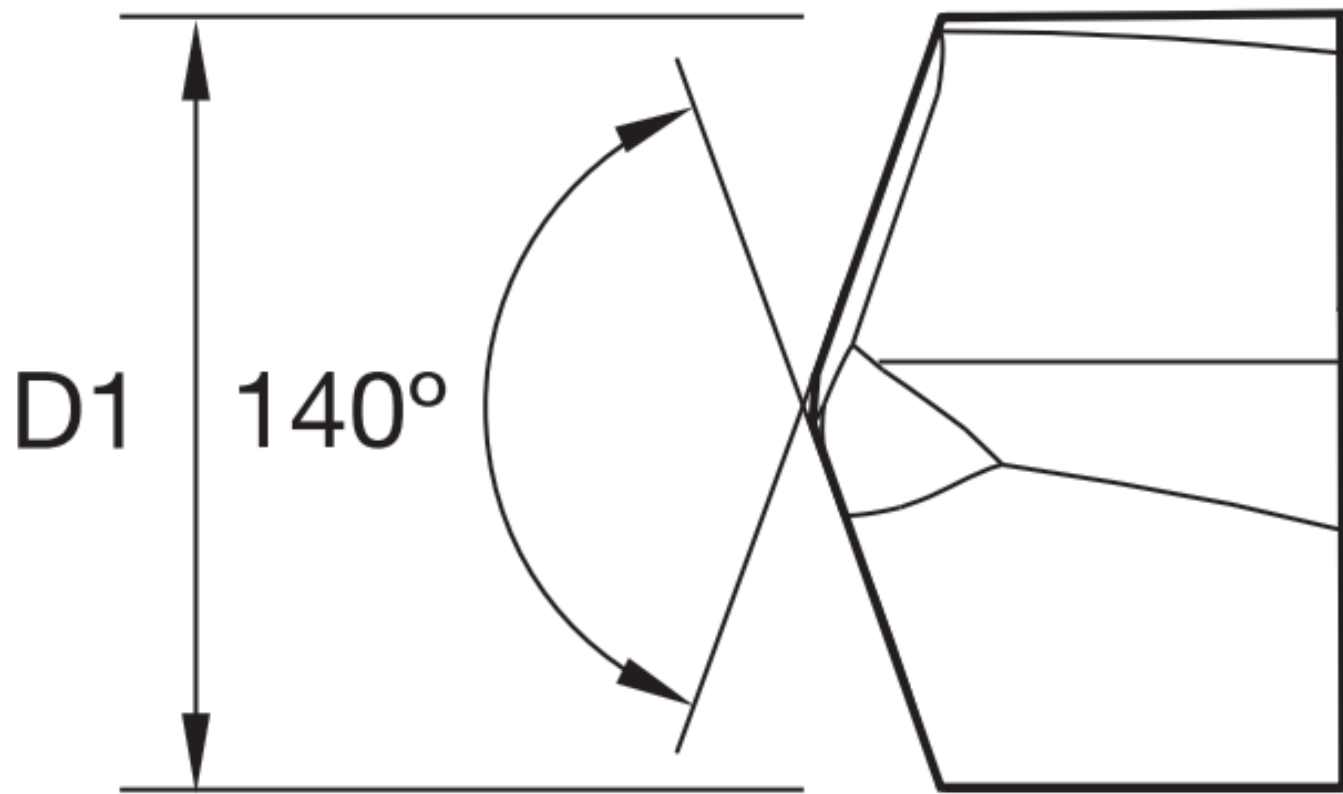
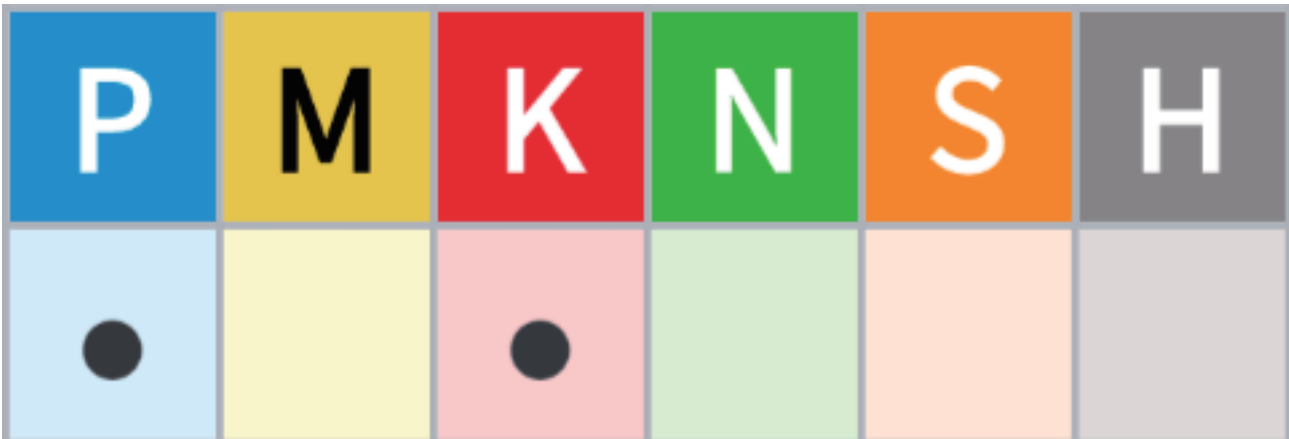
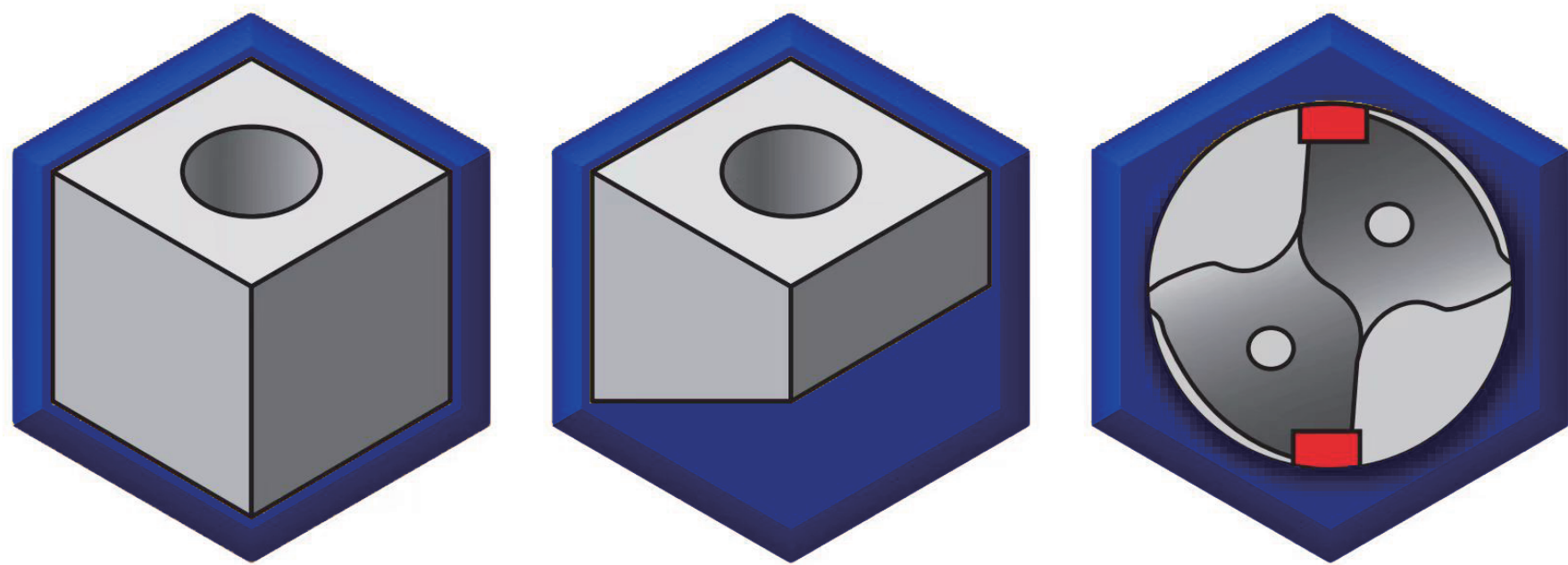


| Times of diameter<br>直径倍数 | Rotation direction<br>旋转方向 | Depth<br>深度                           | AlTiN<br>表面涂层               |
|---------------------------|----------------------------|---------------------------------------|-----------------------------|
| D12.5–D40.0               | R           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



NKM.PGM Drills Series • Grade N315

NKM.PGM 钻头系列 • 材质N315



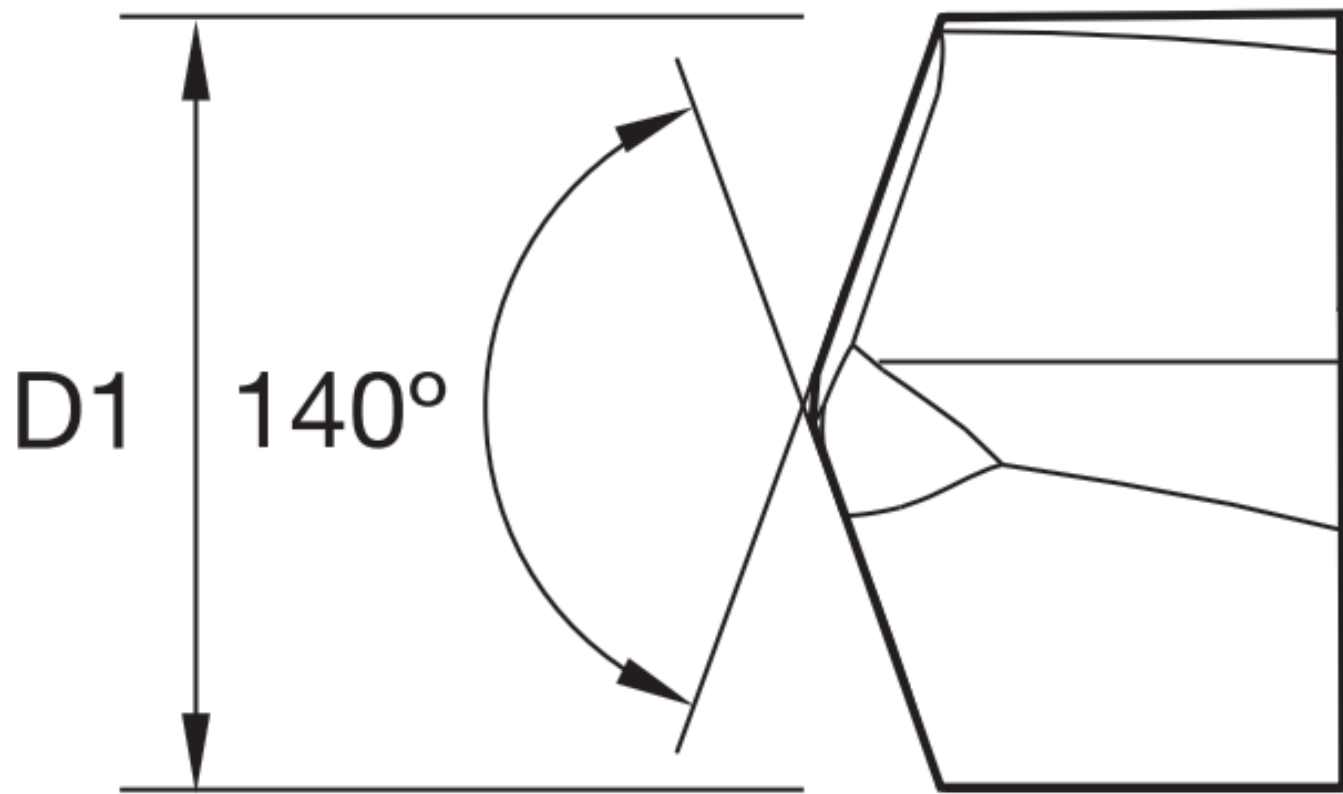
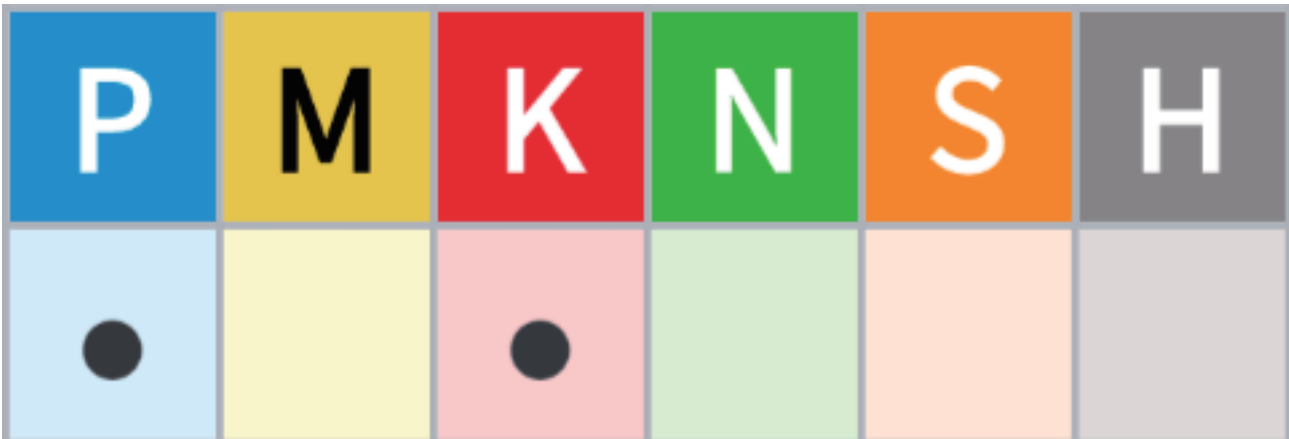
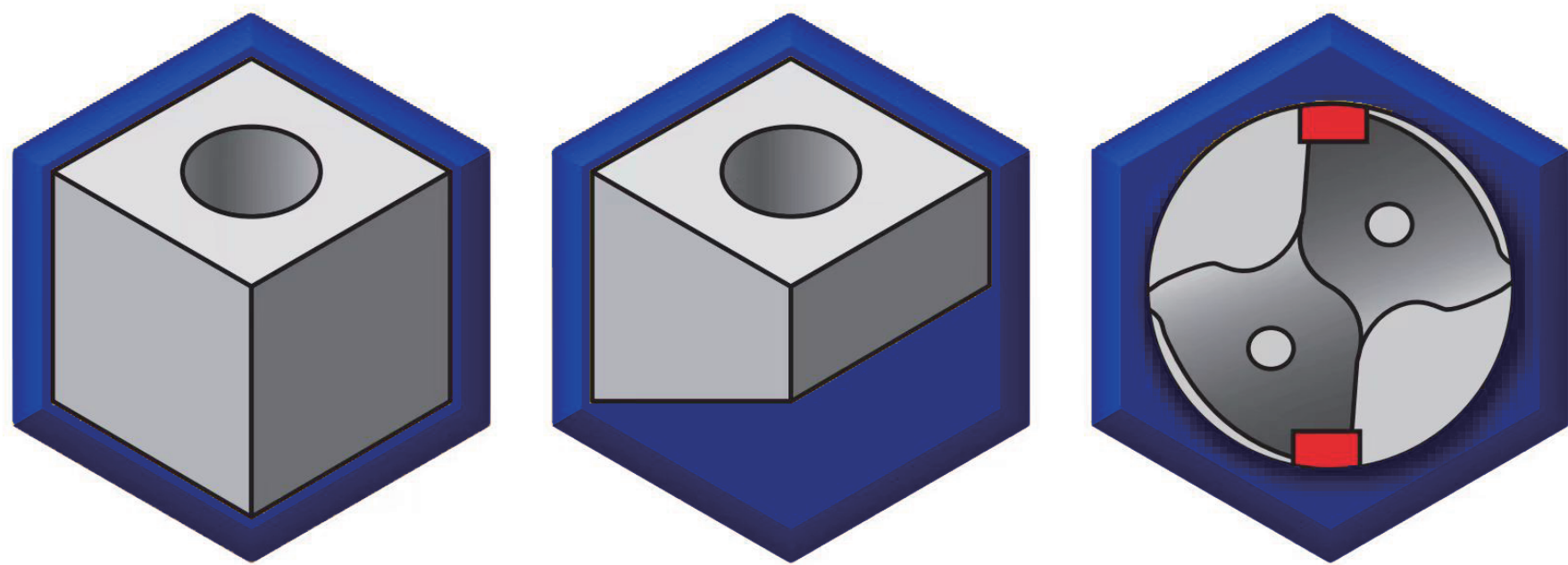
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.1250.PGM | 12.50 | 0.4921 | C                   |
| NKM.1260.PGM | 12.60 | 0.4961 | C                   |
| NKM.1270.PGM | 12.70 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N315

NKM.PGM 钻头系列 • 材质N315



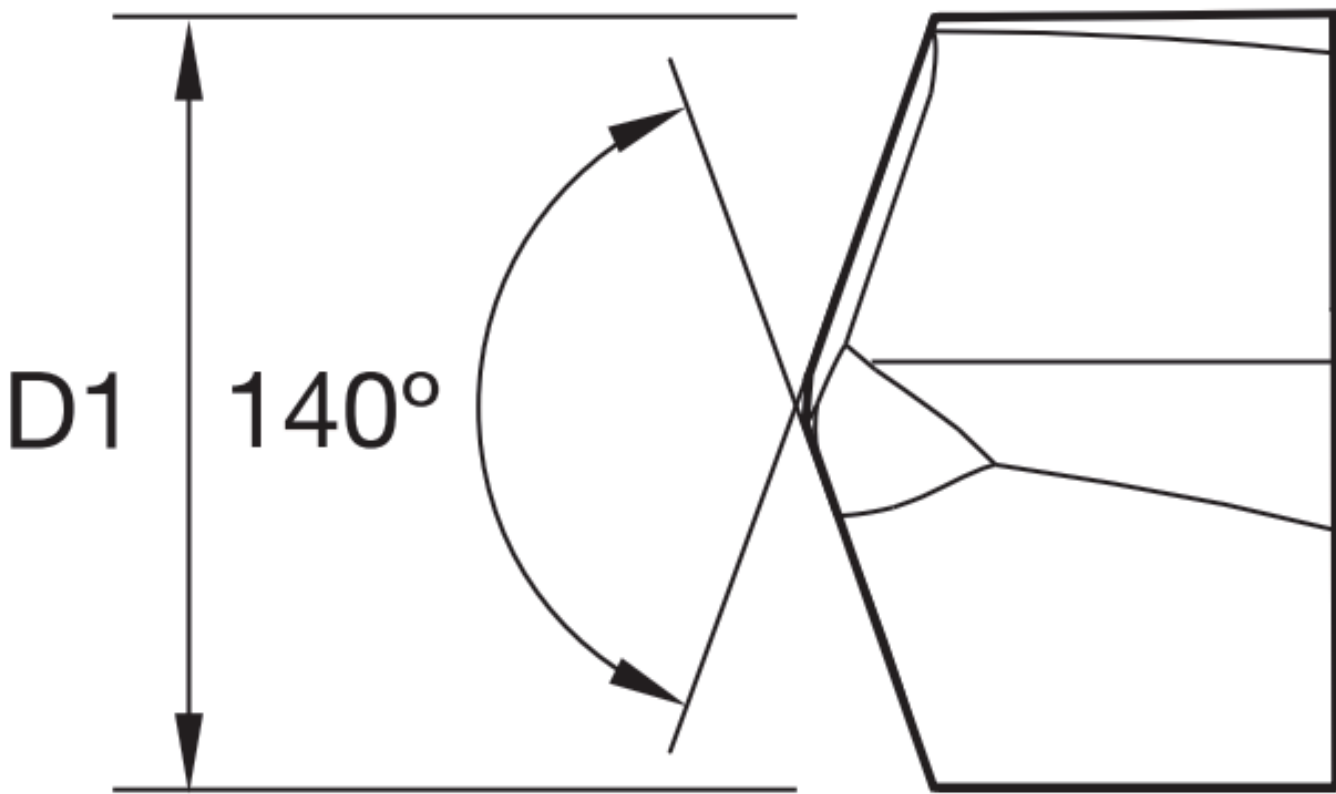
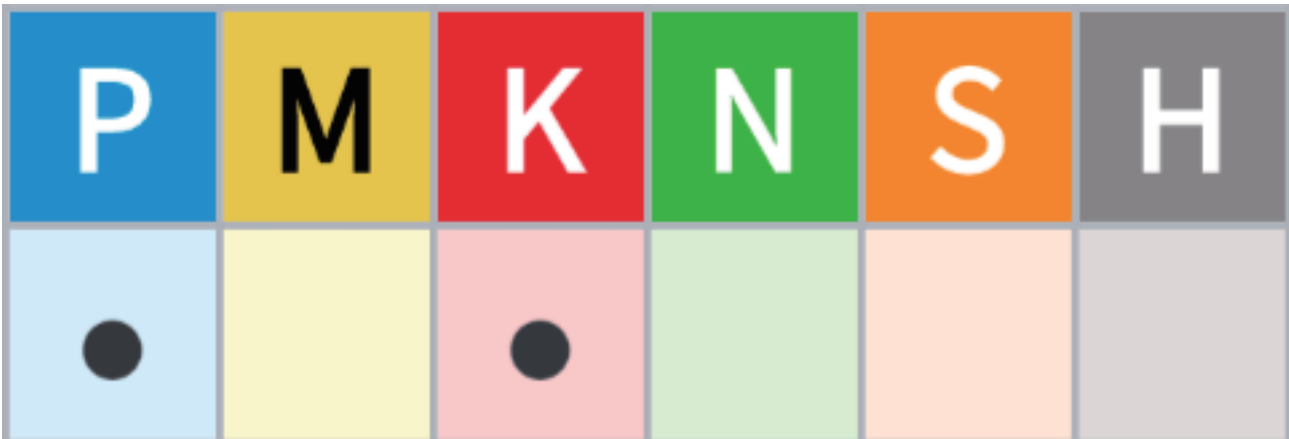
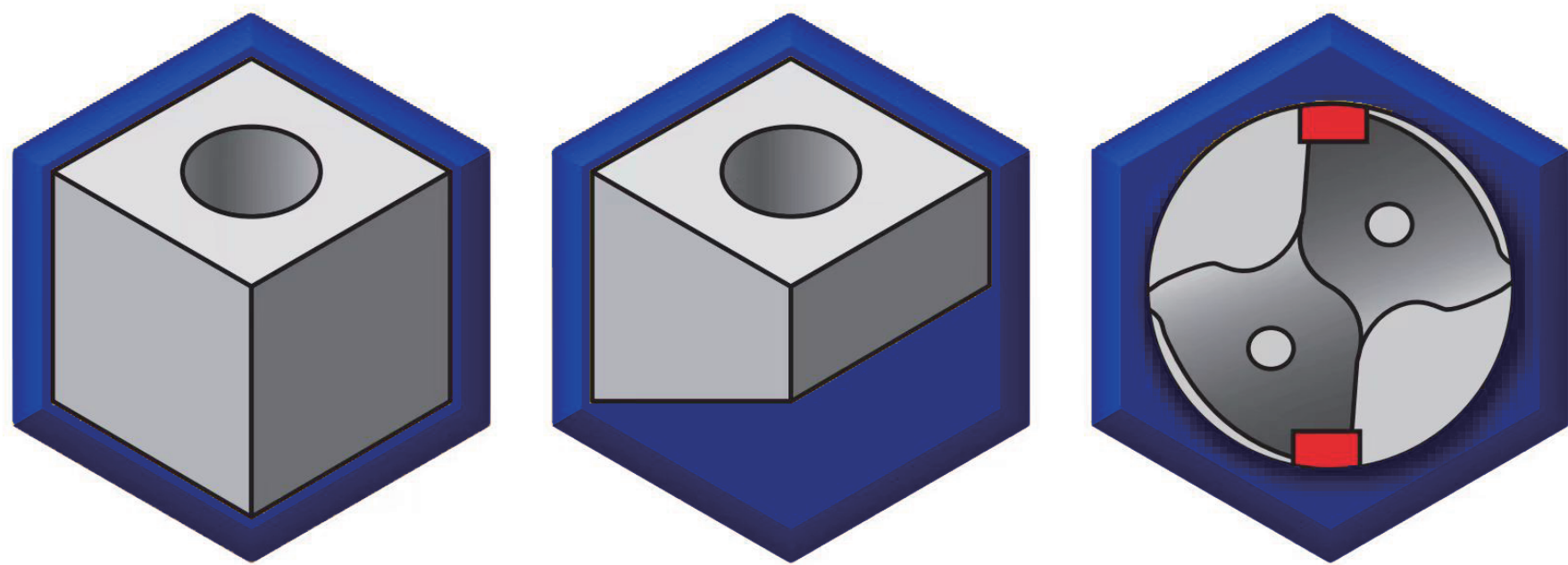
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.1730.PGM | 17.30 | 0.6811 | 1                   |
| NKM.1740.PGM | 17.40 | 0.6850 | 1                   |
| NKM.1750.PGM | 17.50 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N315

NKM.PGM 钻头系列 • 材质N315



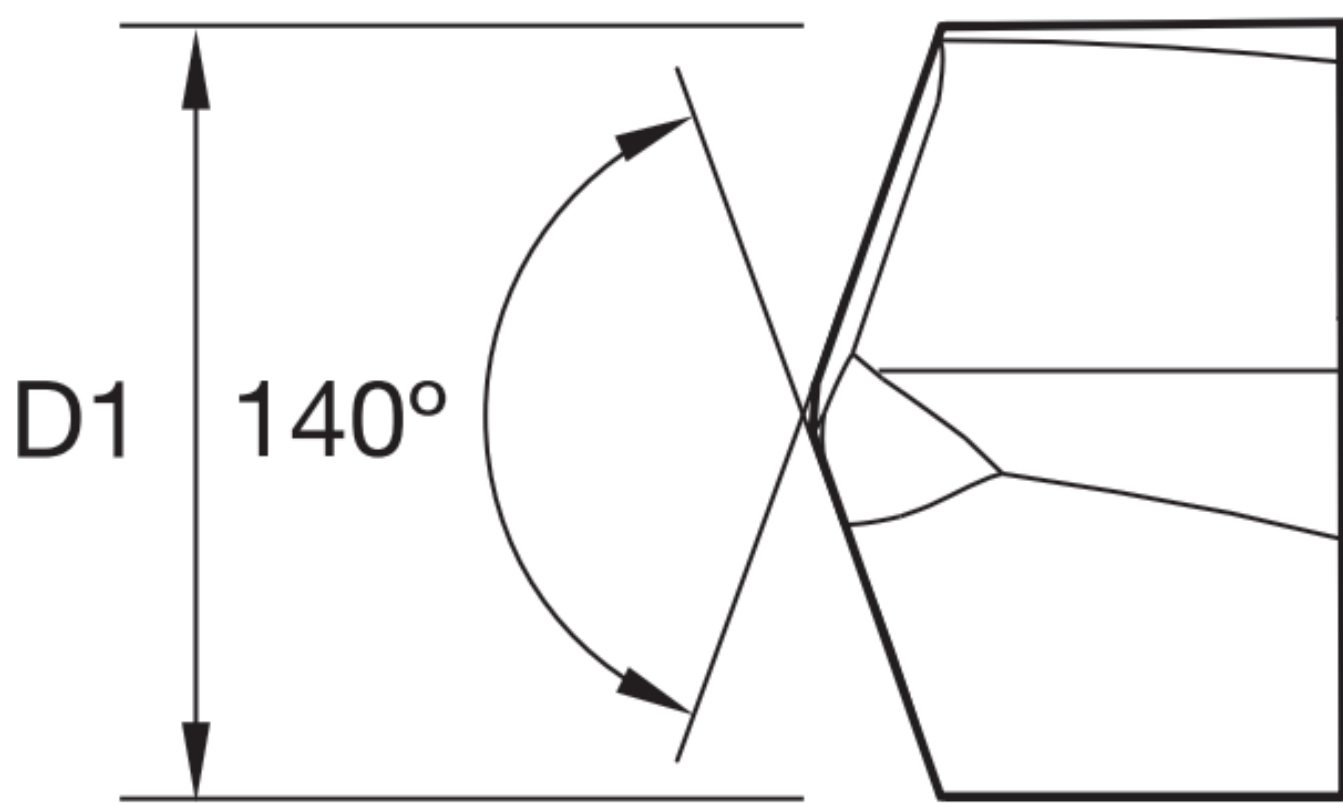
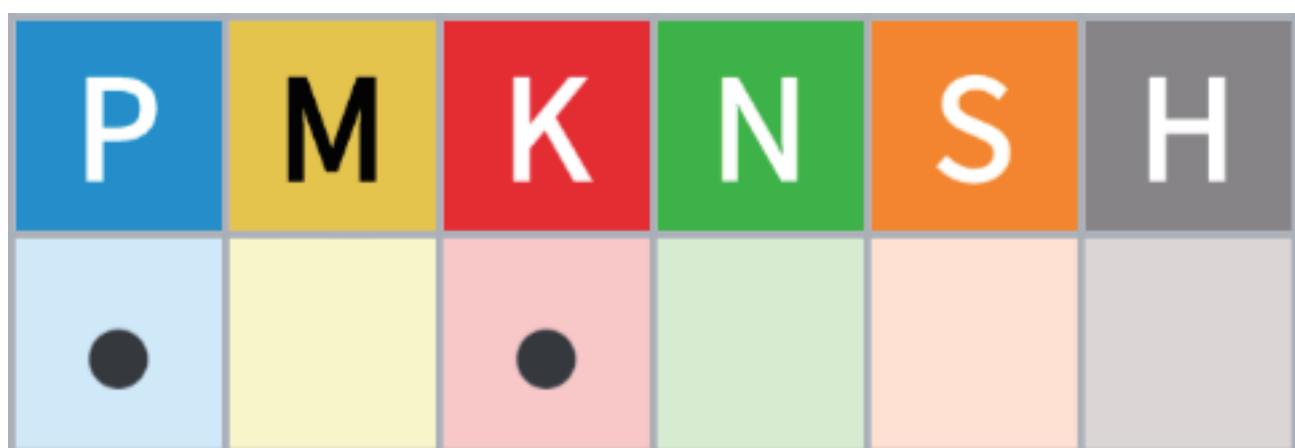
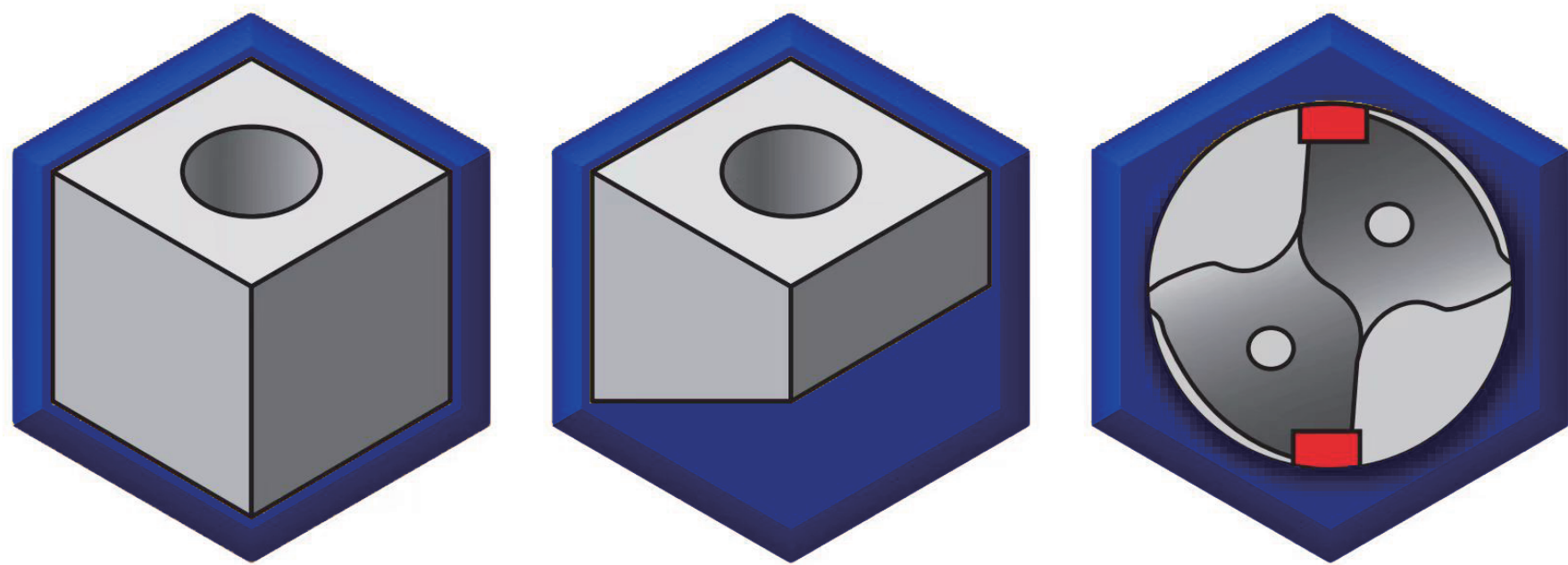
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.2210.PGM | 22.10 | 0.8701 | 4                   |
| NKM.2220.PGM | 22.20 | 0.8740 | 4                   |
| NKM.2230.PGM | 22.30 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N315

NKM.PGM 钻头系列 • 材质N315



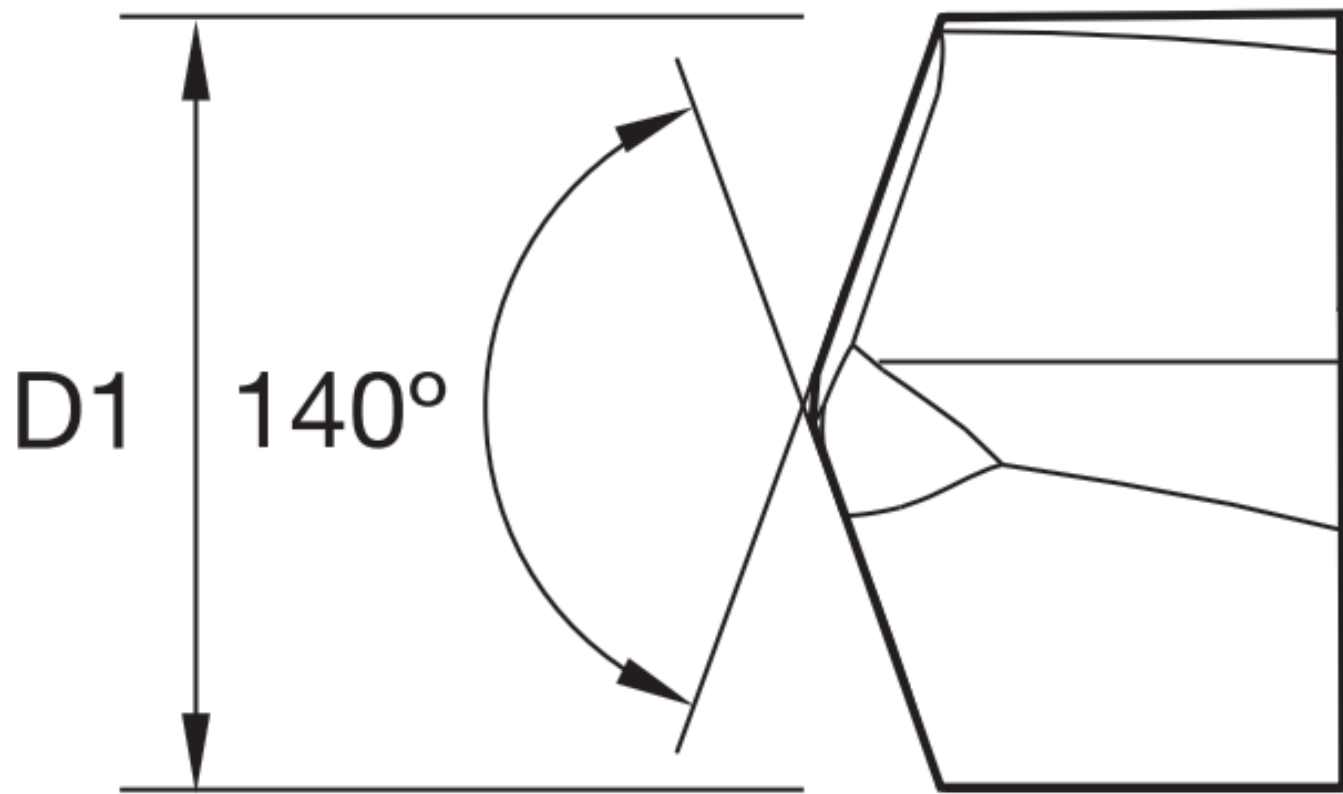
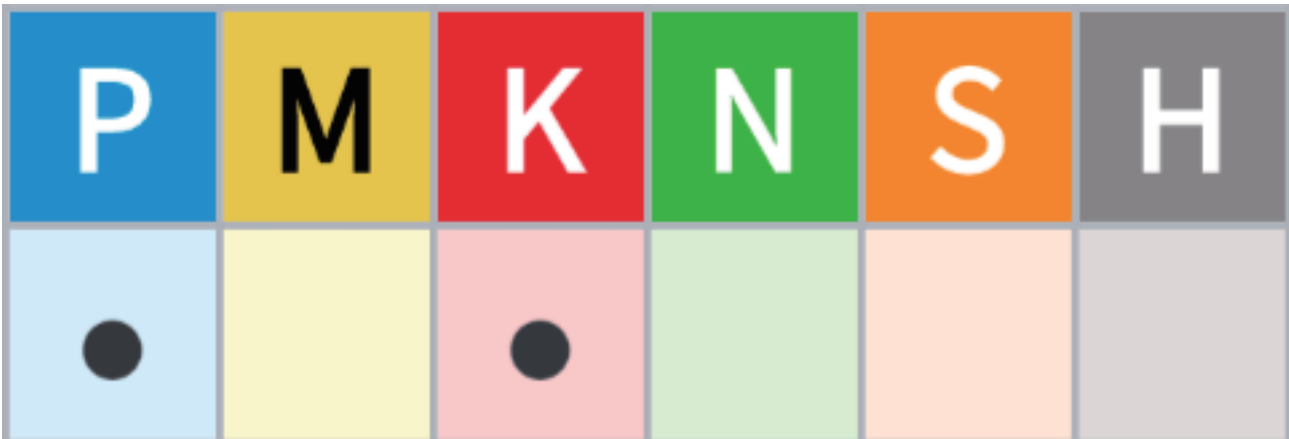
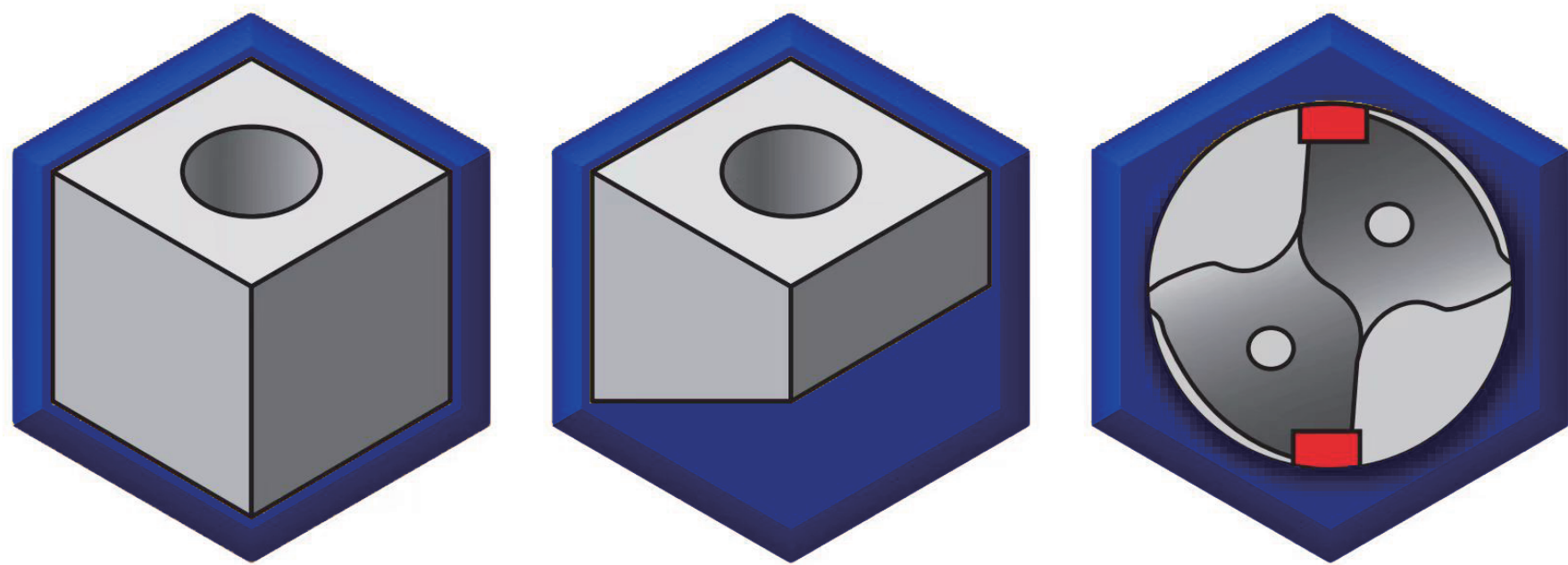
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.2690.PGM | 26.90 | 1.0591 | 6                   |
| NKM.2700.PGM | 27.00 | 1.0630 | 6                   |
| NKM.2710.PGM | 27.10 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N315

NKM.PGM 钻头系列 • 材质N315



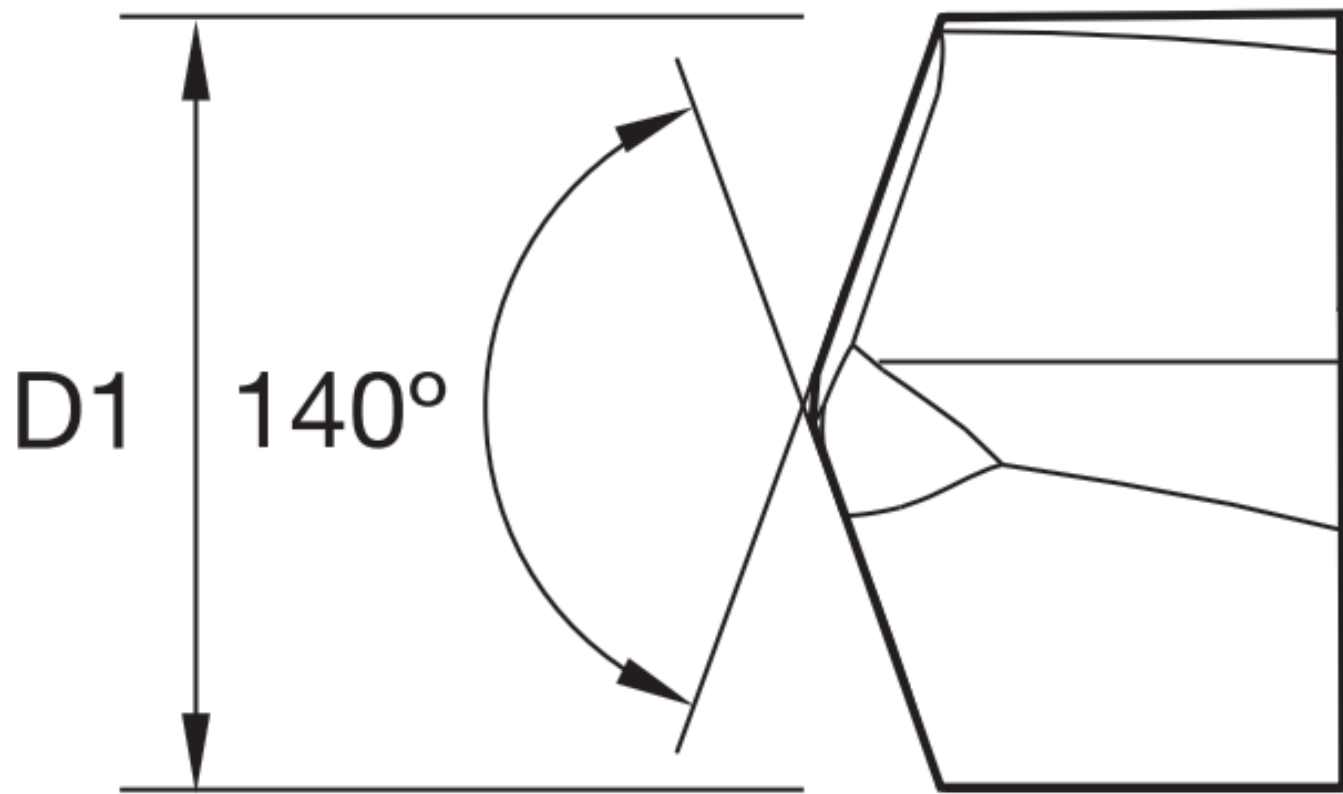
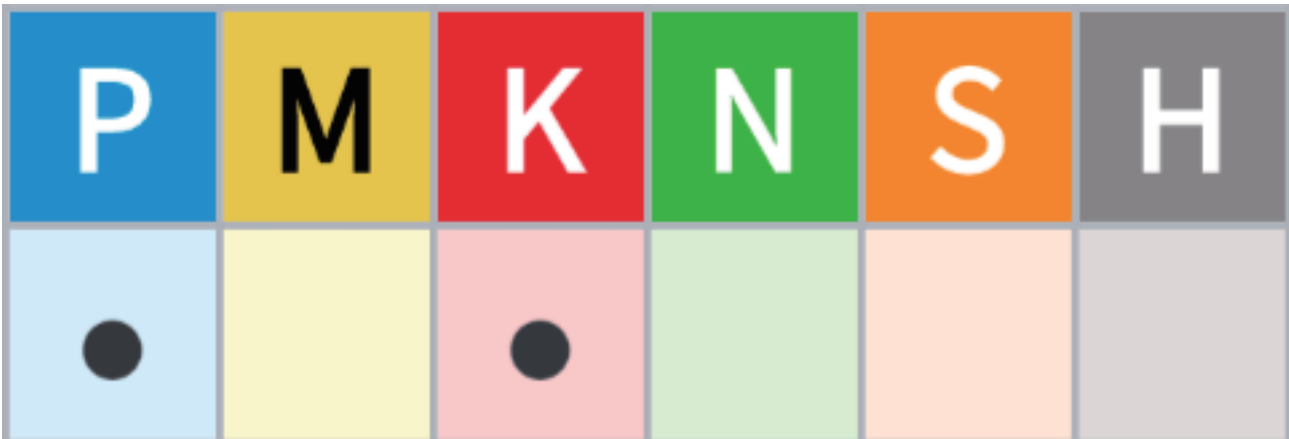
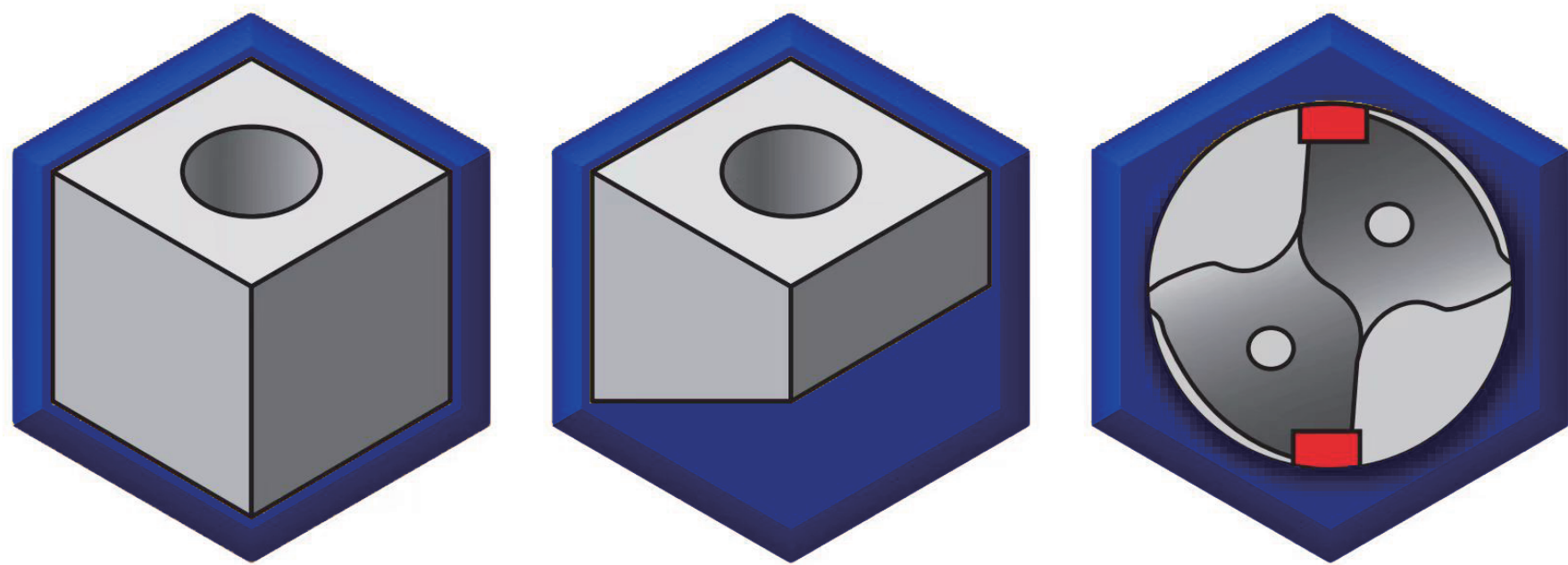
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.3170.PGM | 31.70 | 1.2480 | 8                   |
| NKM.3180.PGM | 31.80 | 1.2520 | 8                   |
| NKM.3190.PGM | 31.90 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N315

NKM.PGM 钻头系列 • 材质N315



| No.<br>型号    | D1    |        | Holder size<br>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                  |

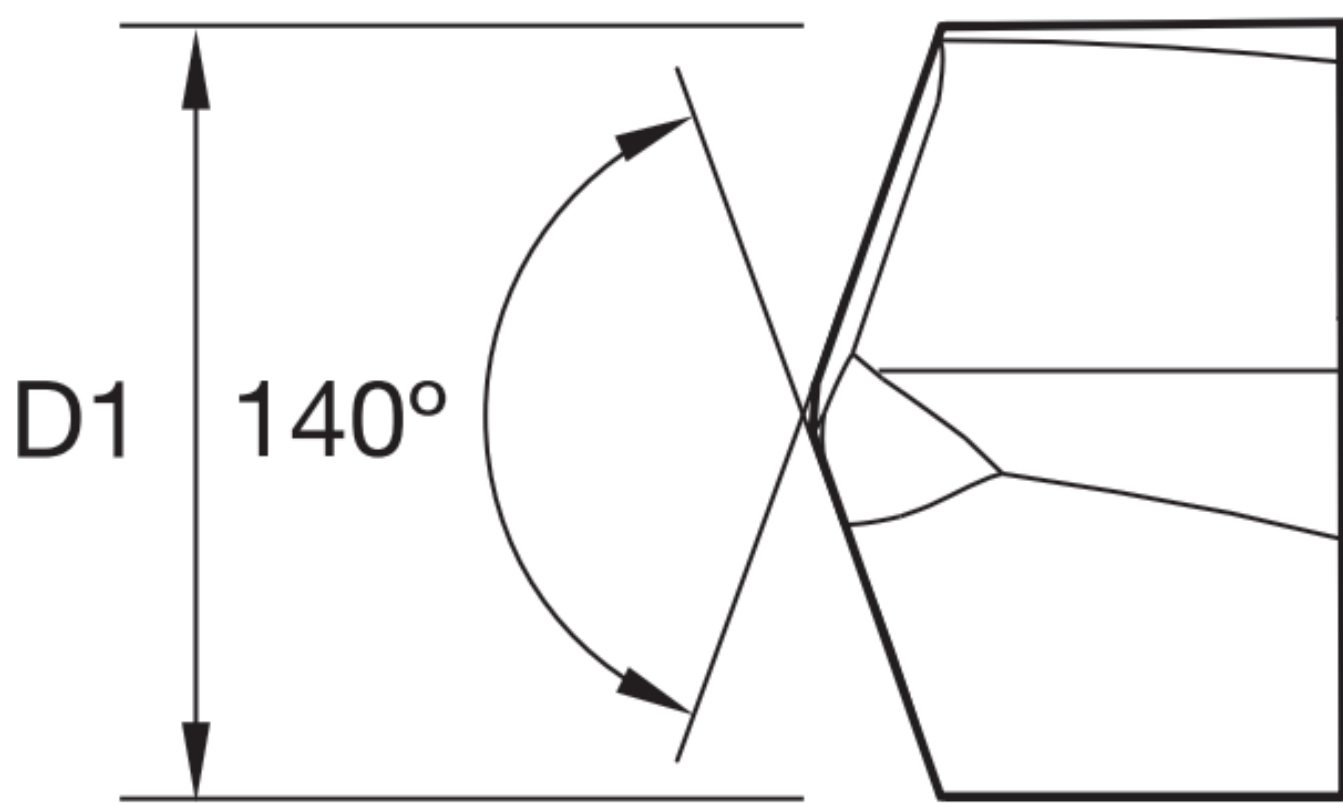
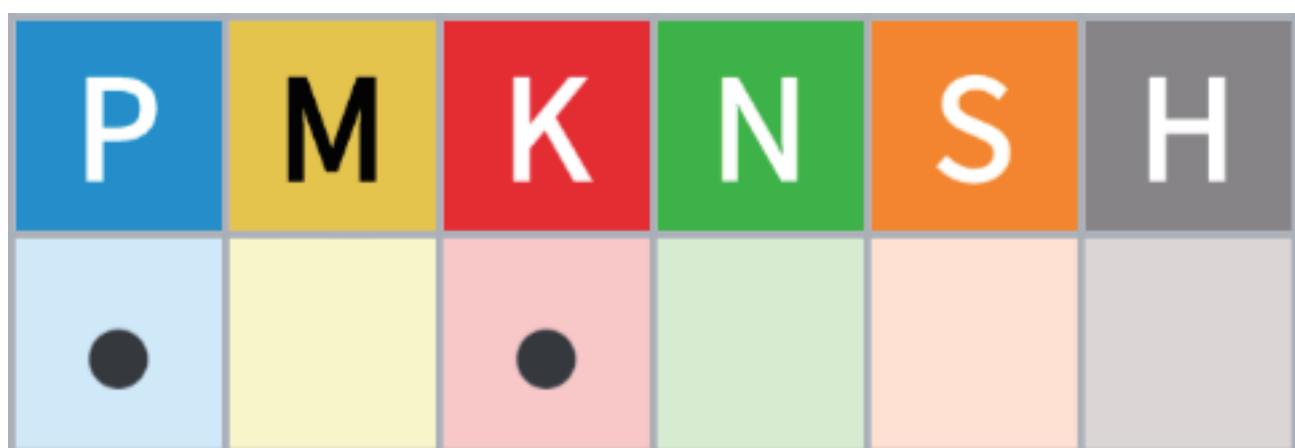
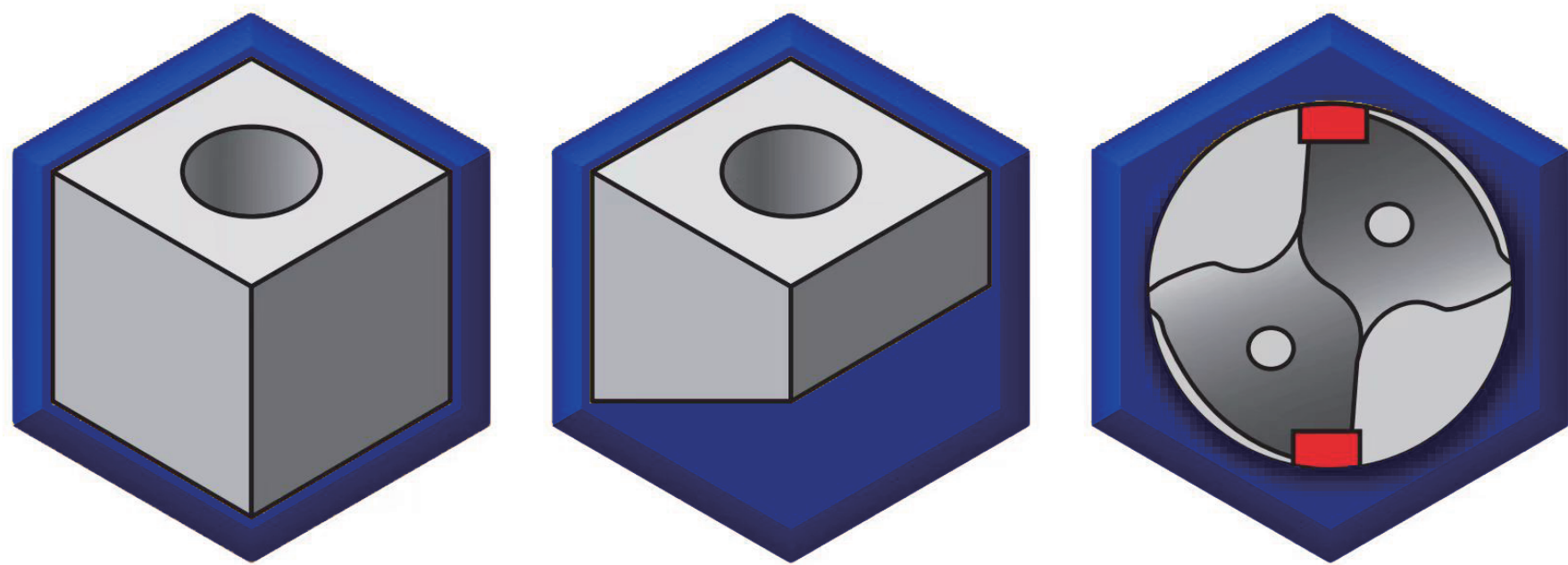
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.3850.PGM | 38.50 | 1.5157 | 10                  |
| NKM.3860.PGM | 38.60 | 1.5197 | 10                  |
| NKM.3870.PGM | 38.70 | 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<br>D1公制 | Tolerances h8<br>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 Drills Series • Grade N315

NKM.PGM 钻头系列 • 材质N315

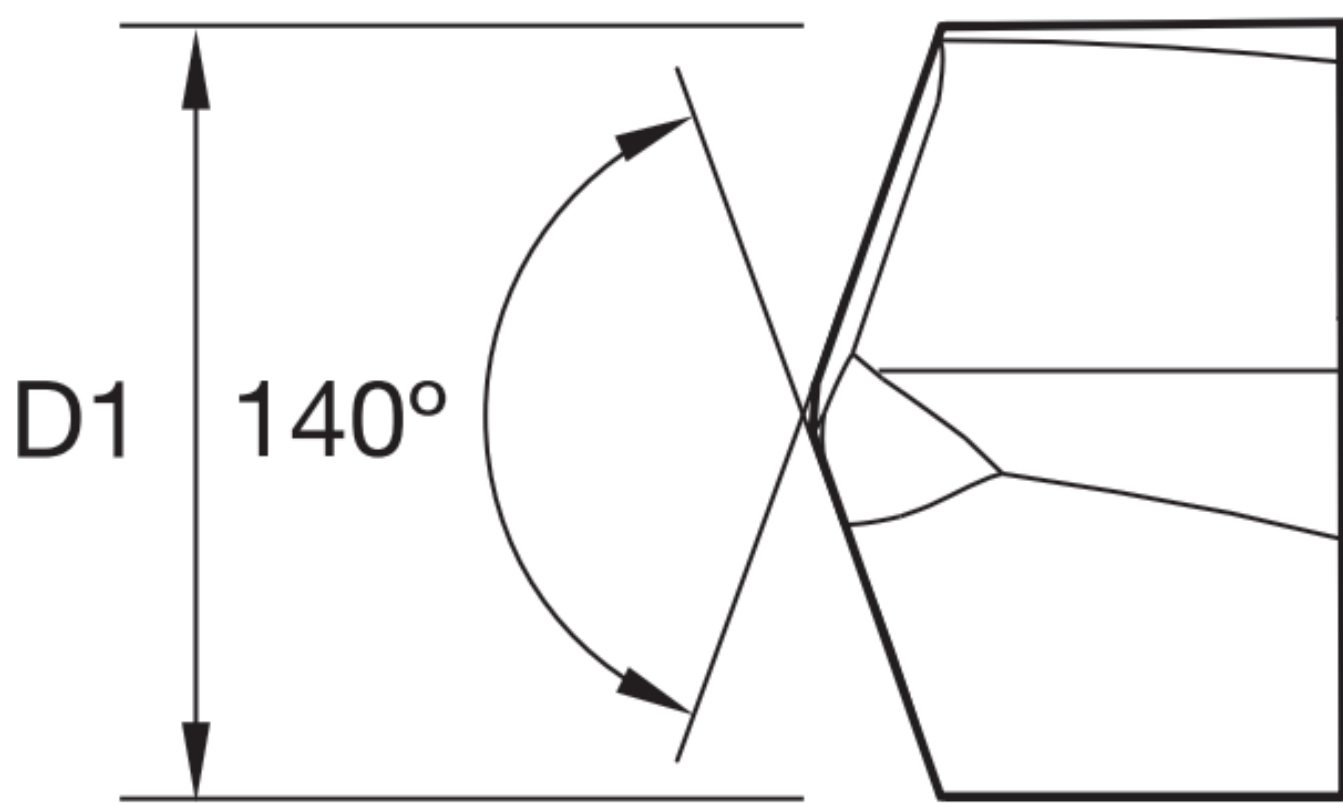
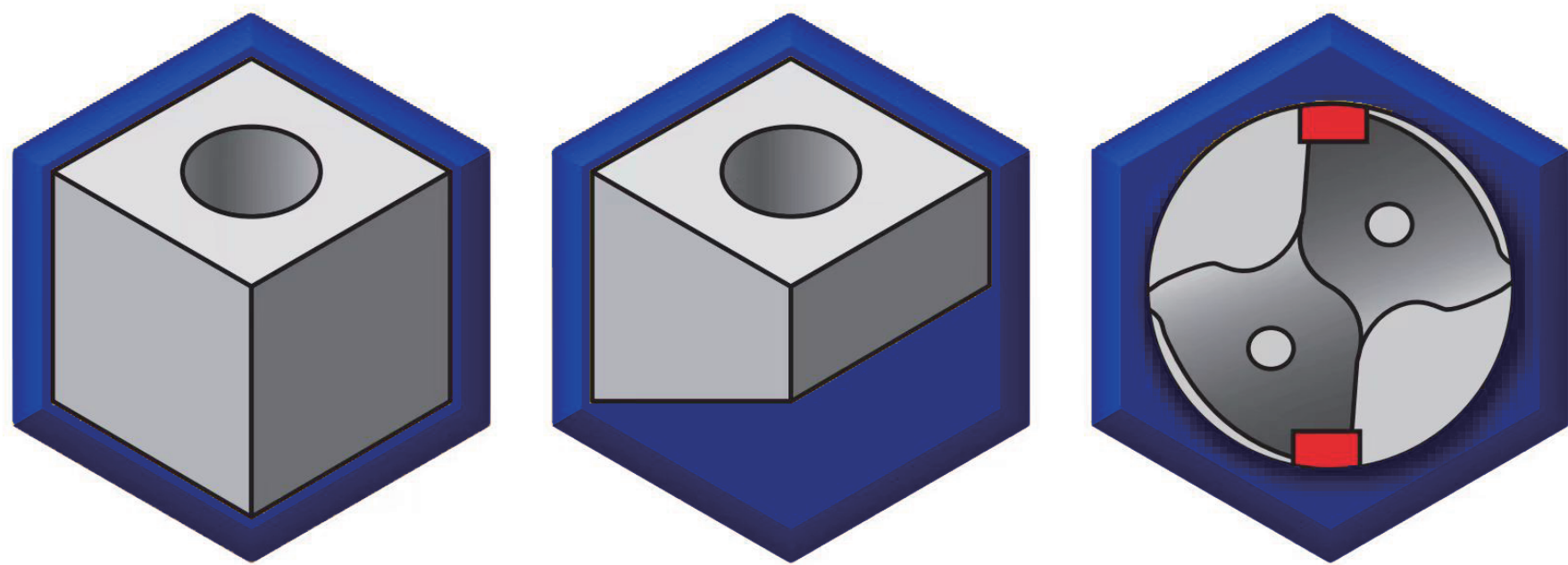


| NKM.PGM Series<br>Grade: N315 |   |                                                        |                |            |                                                        |           |           |           |           |           |           |
|-------------------------------|---|--------------------------------------------------------|----------------|------------|--------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material Grouping<br>材质分组     |   | Cutting speed-Vc<br>Range-m/min<br>切削速度-Vc<br>范围-m/min |                |            | Metrisch<br>公制                                         |           |           |           |           |           |           |
|                               |   |                                                        |                |            | Recommended feed rate (f) per diameter<br>根据直径推荐进给率(f) |           |           |           |           |           |           |
|                               |   | Min<br>最小值                                             | Initial<br>初始值 | Max<br>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 Drills Series • Grade N320

NKM.PLM 钻头系列 • 材质N320



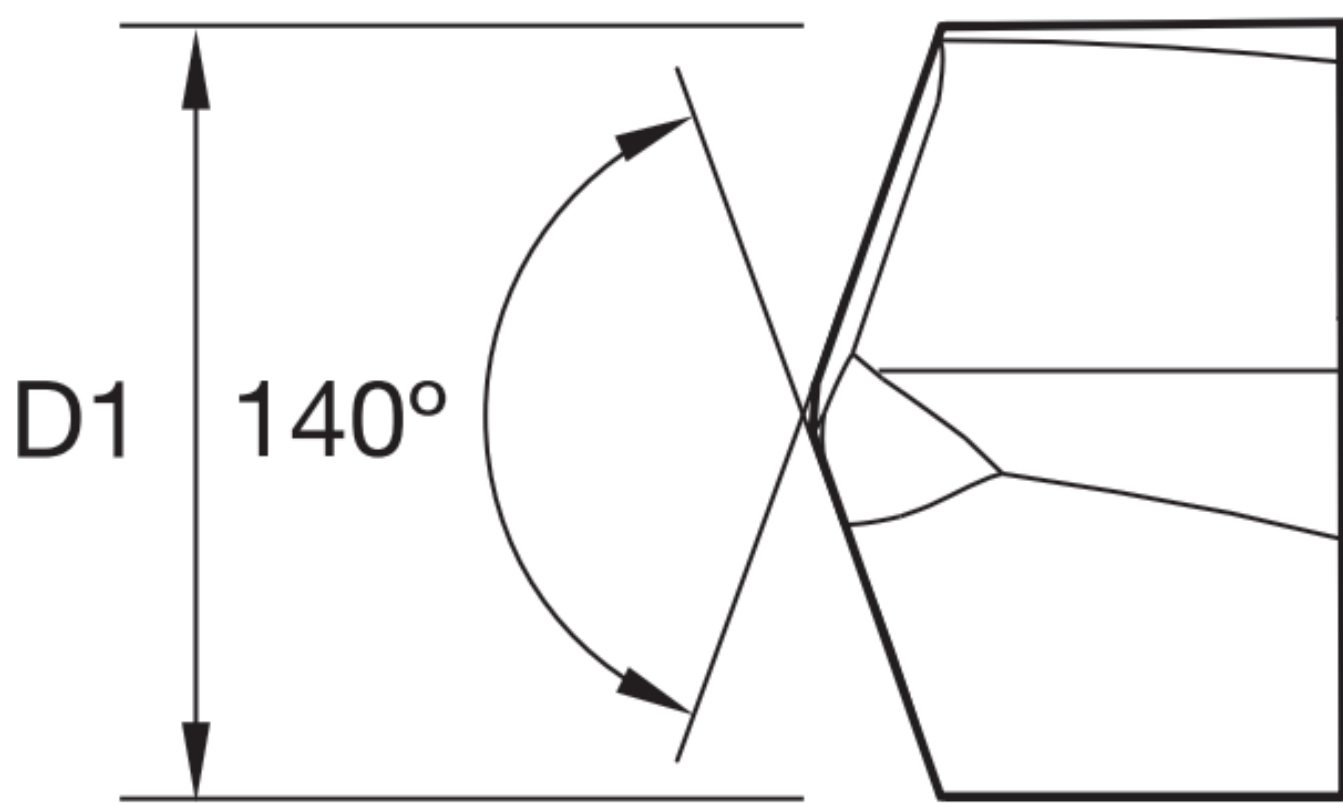
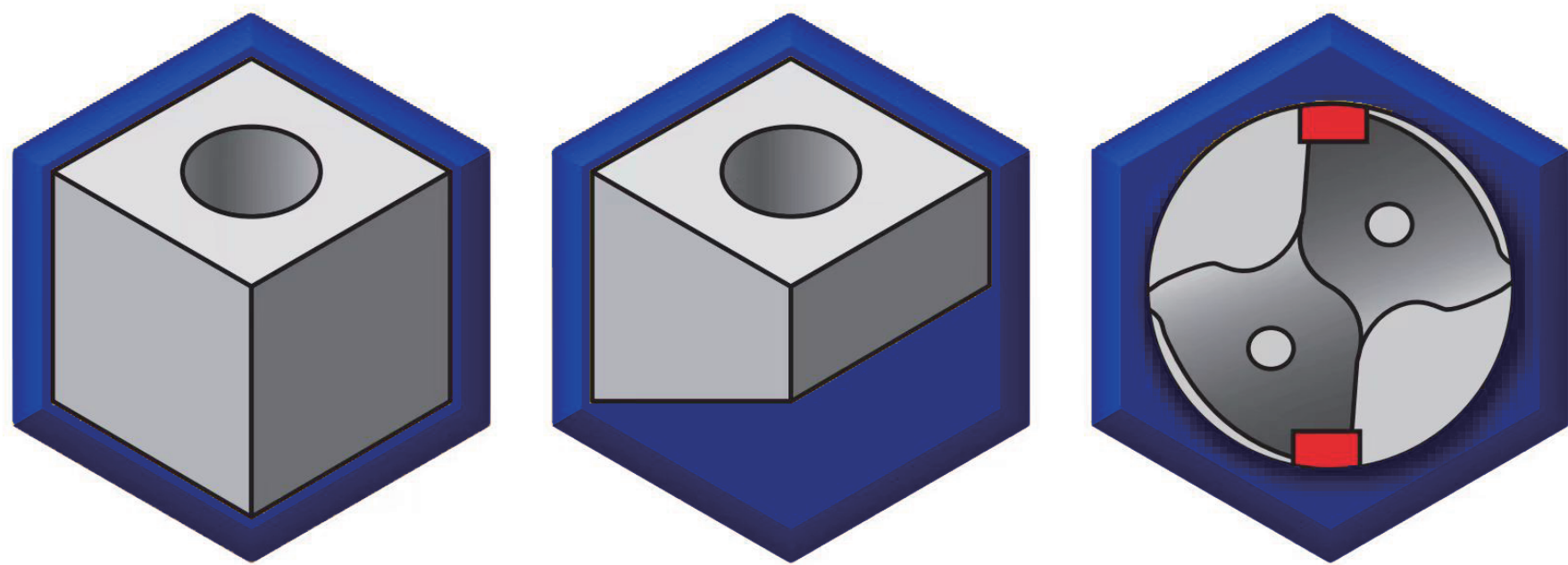
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.1250.PLM | 12.50 | 0.4921 | C                   |
| NKM.1260.PLM | 12.60 | 0.4961 | C                   |
| NKM.1270.PLM | 12.70 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N320

NKM.PLM 钻头系列 • 材质N320



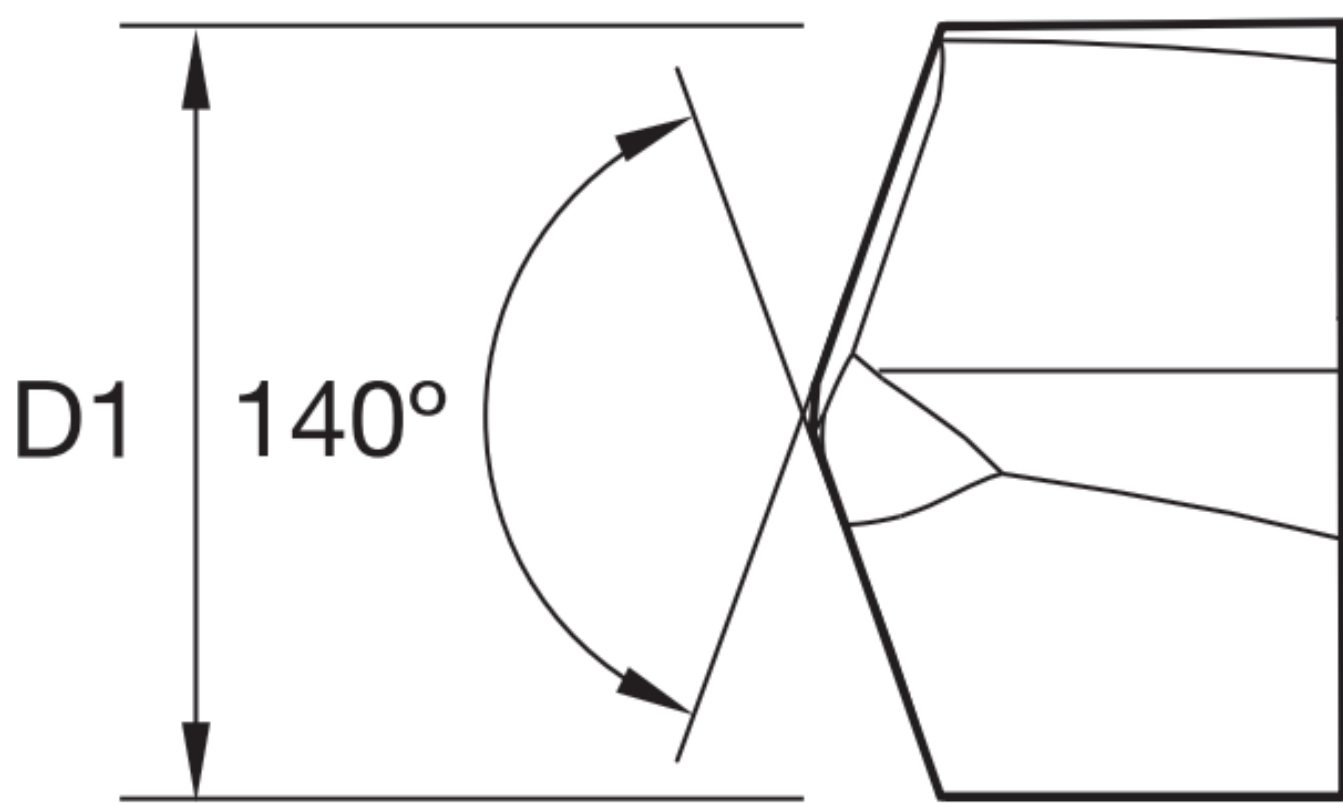
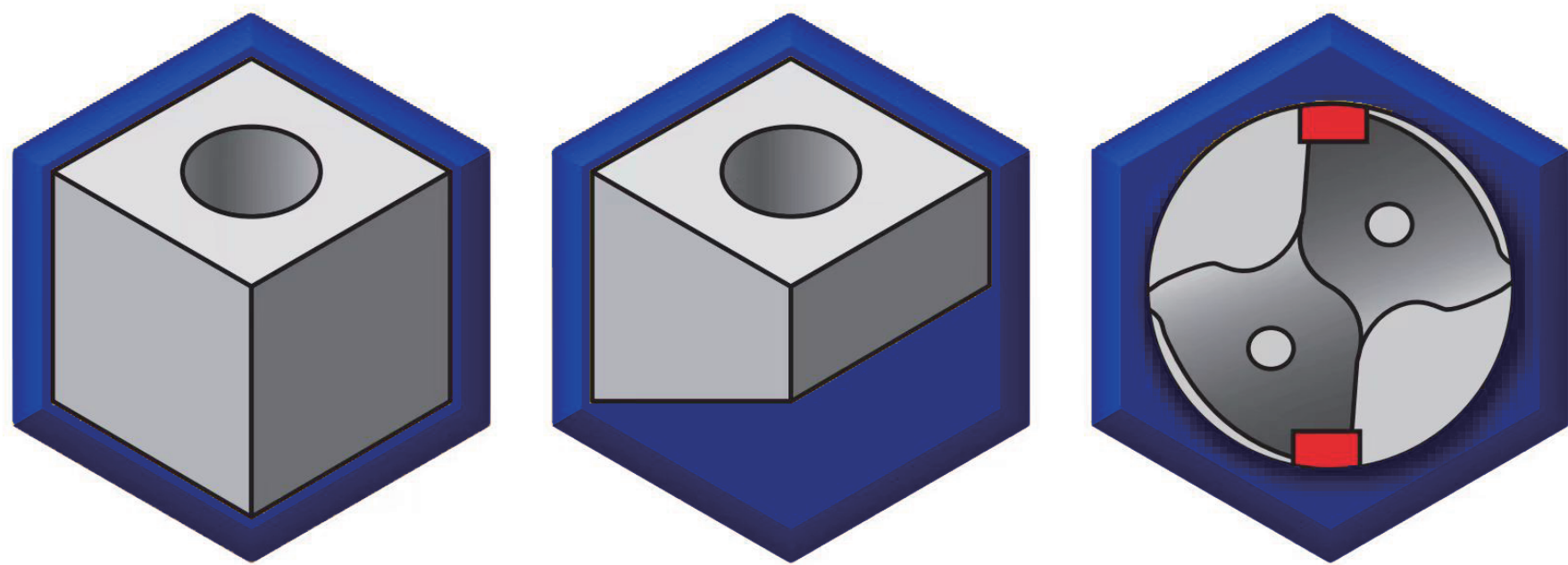
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.1730.PLM | 17.30 | 0.6811 | 1                   |
| NKM.1740.PLM | 17.40 | 0.6850 | 1                   |
| NKM.1750.PLM | 17.50 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N320

NKM.PLM 钻头系列 • 材质N320



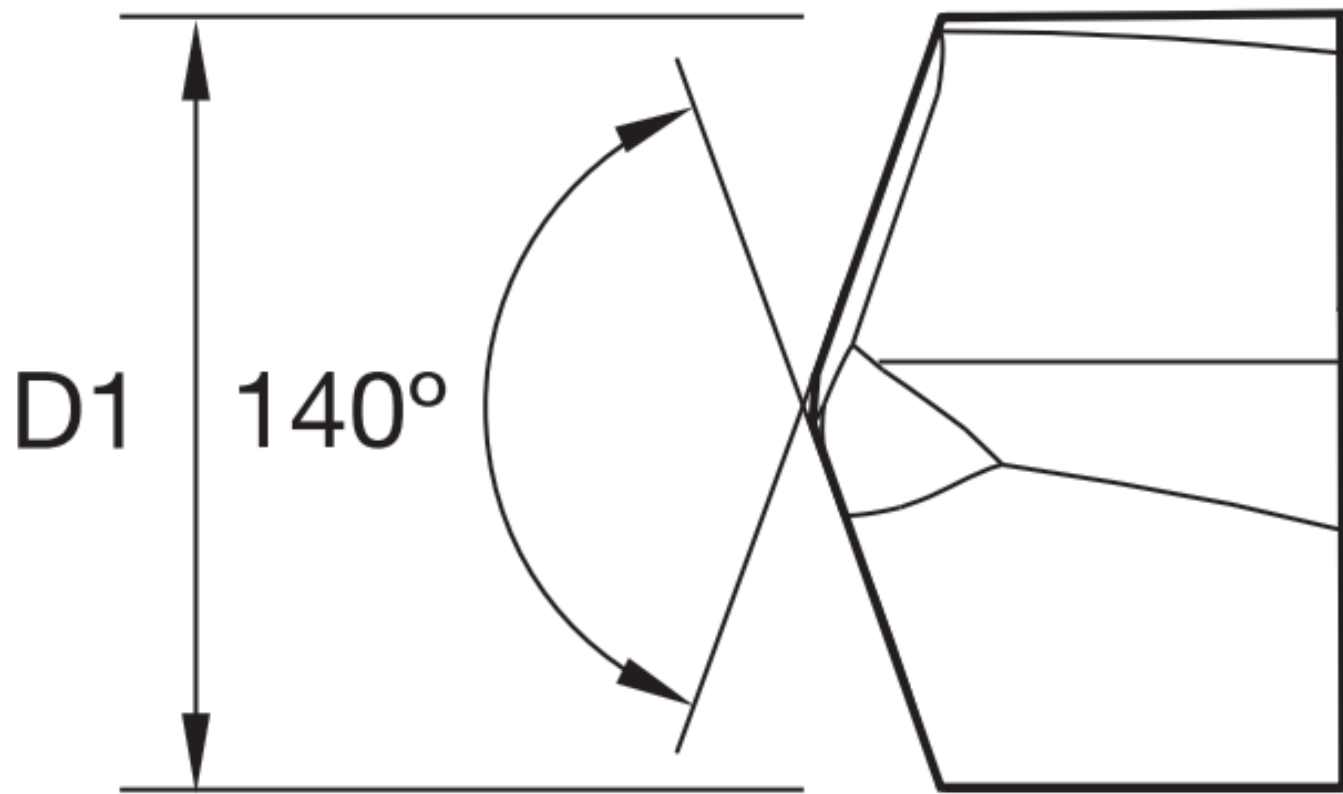
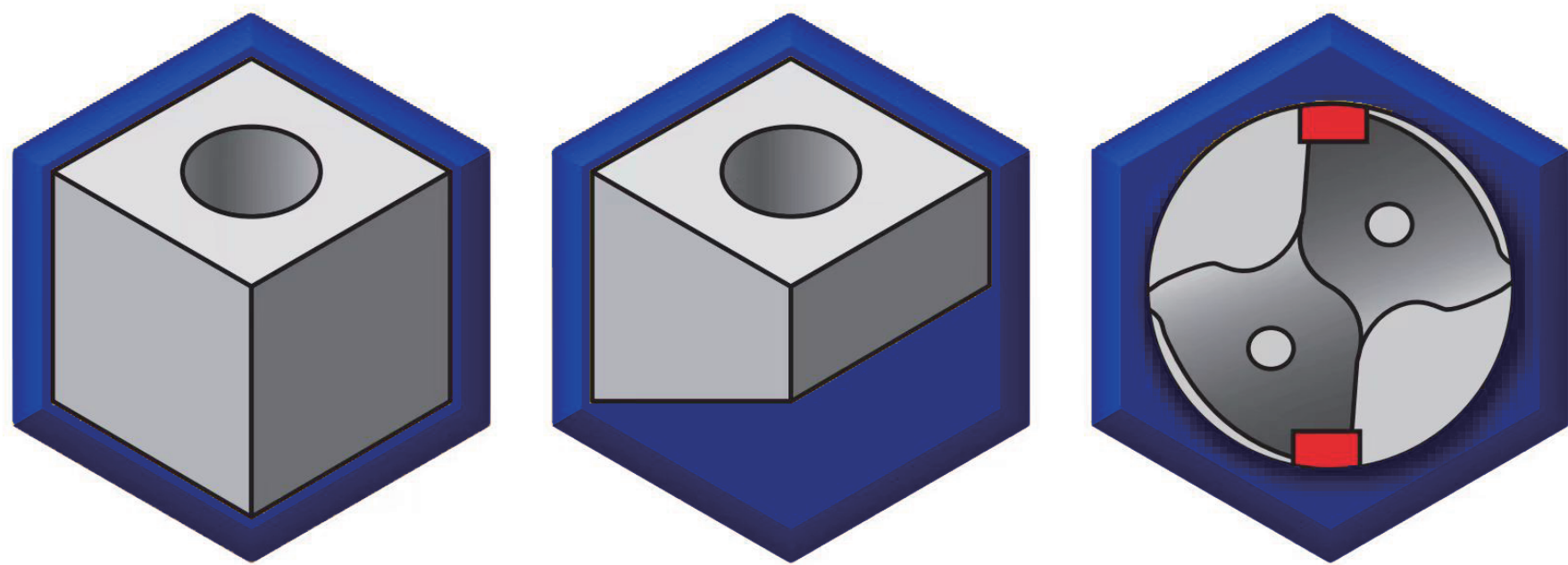
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.2210.PLM | 22.10 | 0.8701 | 4                   |
| NKM.2220.PLM | 22.20 | 0.8740 | 4                   |
| NKM.2230.PLM | 22.30 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N320

NKM.PLM 钻头系列 • 材质N320



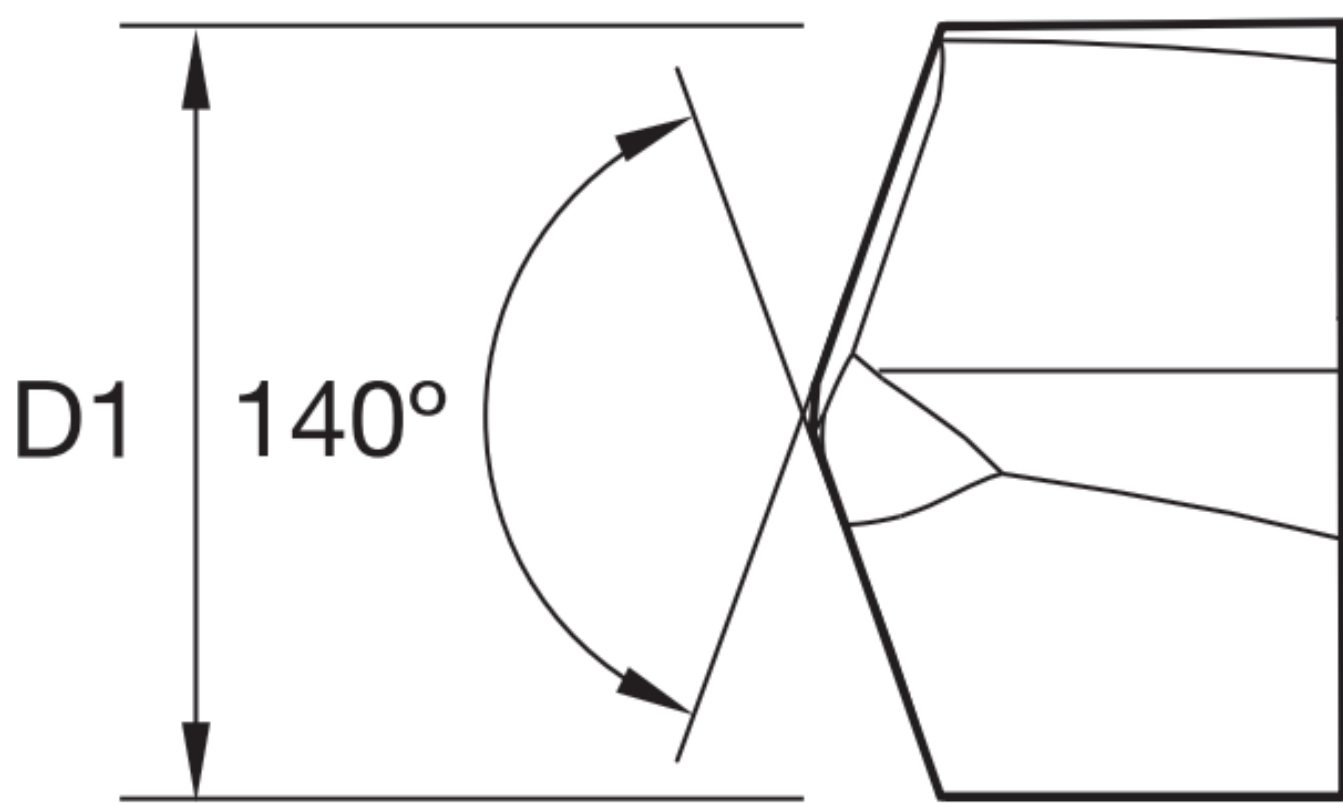
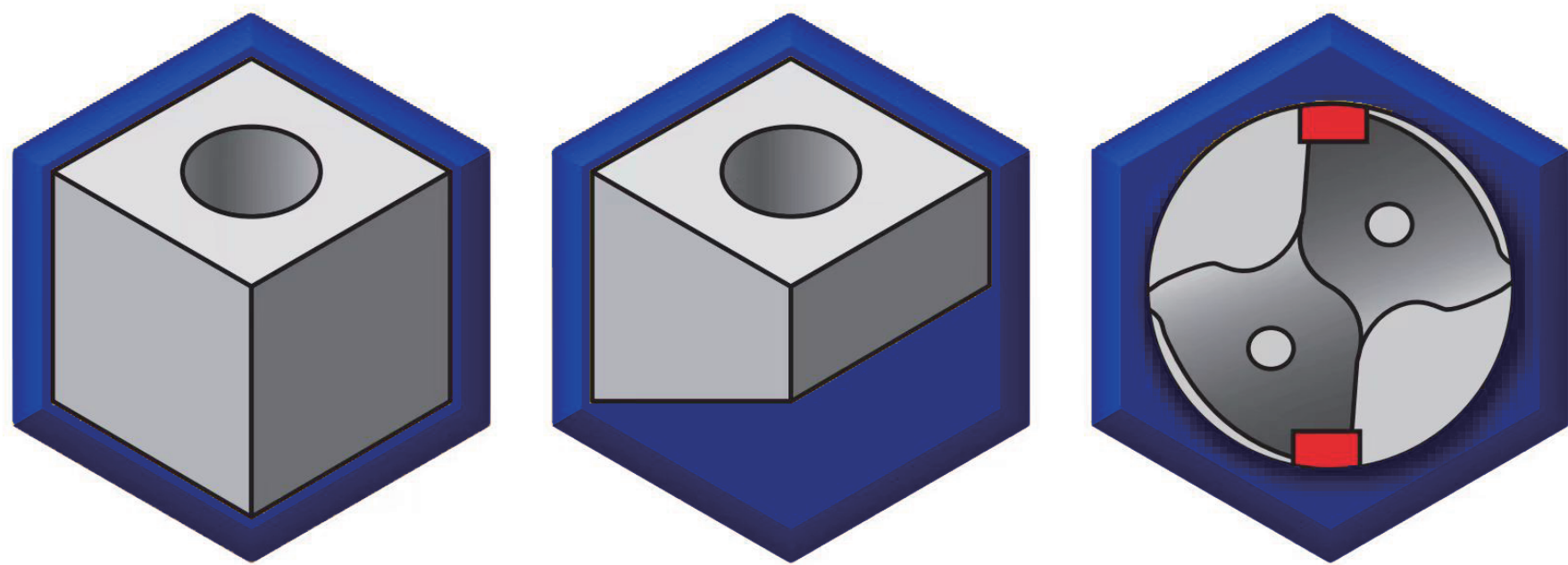
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.2690.PLM | 26.90 | 1.0591 | 6                   |
| NKM.2700.PLM | 27.00 | 1.0630 | 6                   |
| NKM.2710.PLM | 27.10 | 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.<br>型号    | D1    |        | Holder size<br>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                   |



NKM.PLM Drills Series • Grade N320

NKM.PLM 钻头系列 • 材质N320



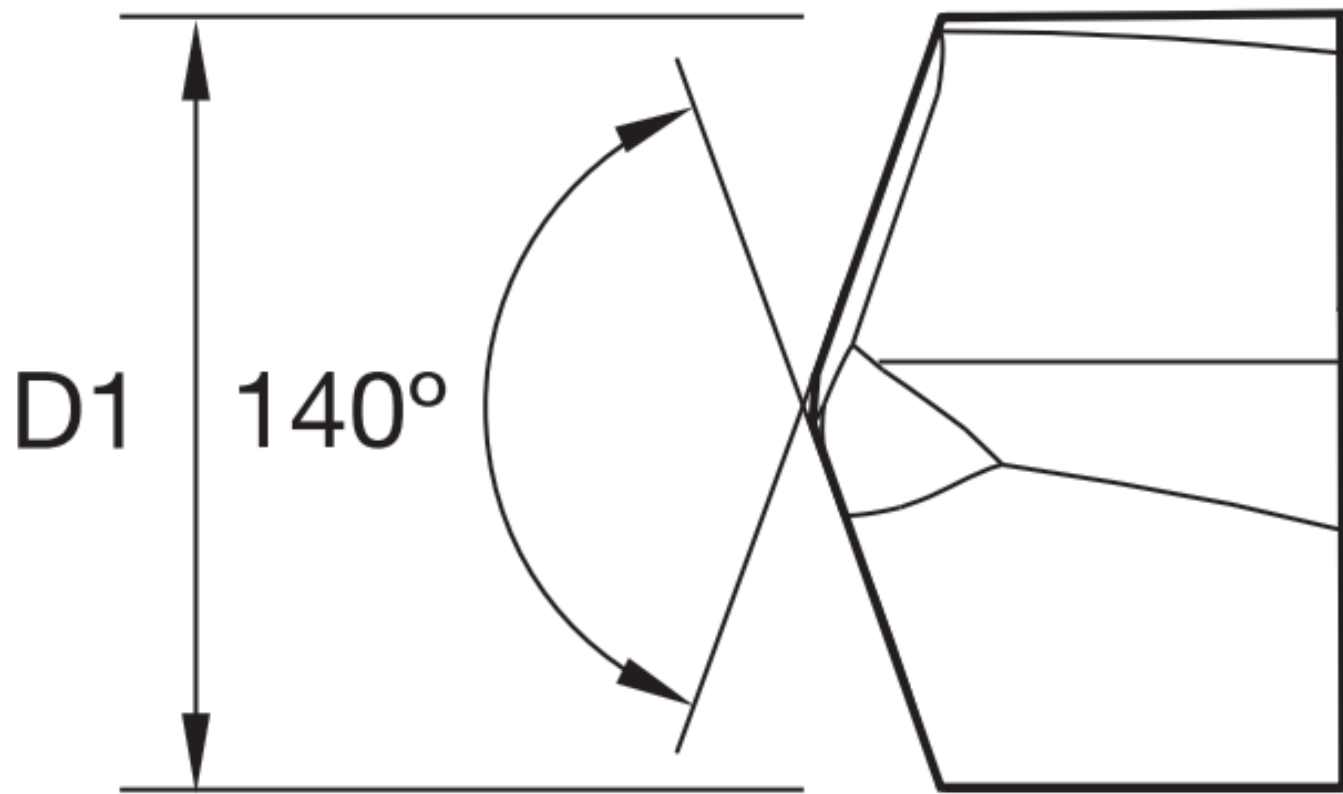
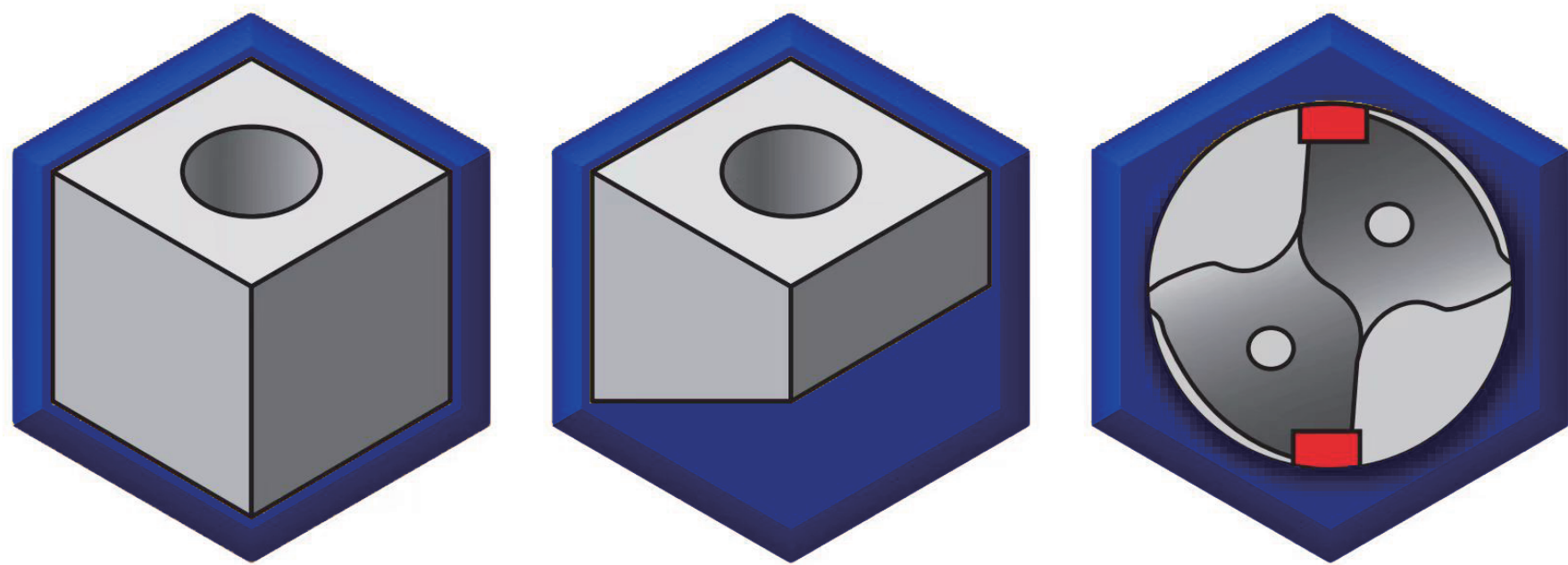
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.3170.PLM | 31.70 | 1.2480 | 8                   |
| NKM.3180.PLM | 31.80 | 1.2520 | 8                   |
| NKM.3190.PLM | 31.90 | 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.<br>型号    | D1    |        | Holder size<br>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 Drills Series • Grade N320

NKM.PLM 钻头系列 • 材质N320



| No.<br>型号    | D1    |        | Holder size<br>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                  |

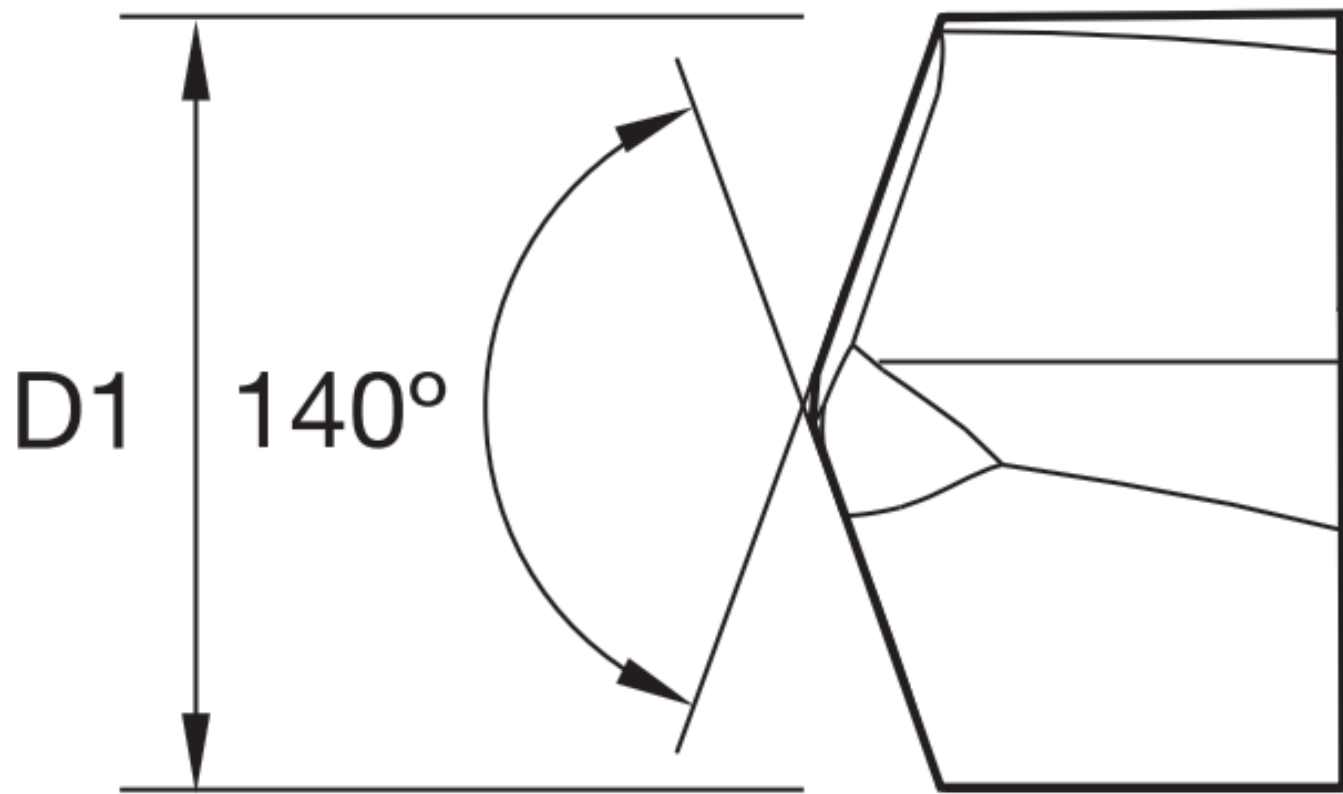
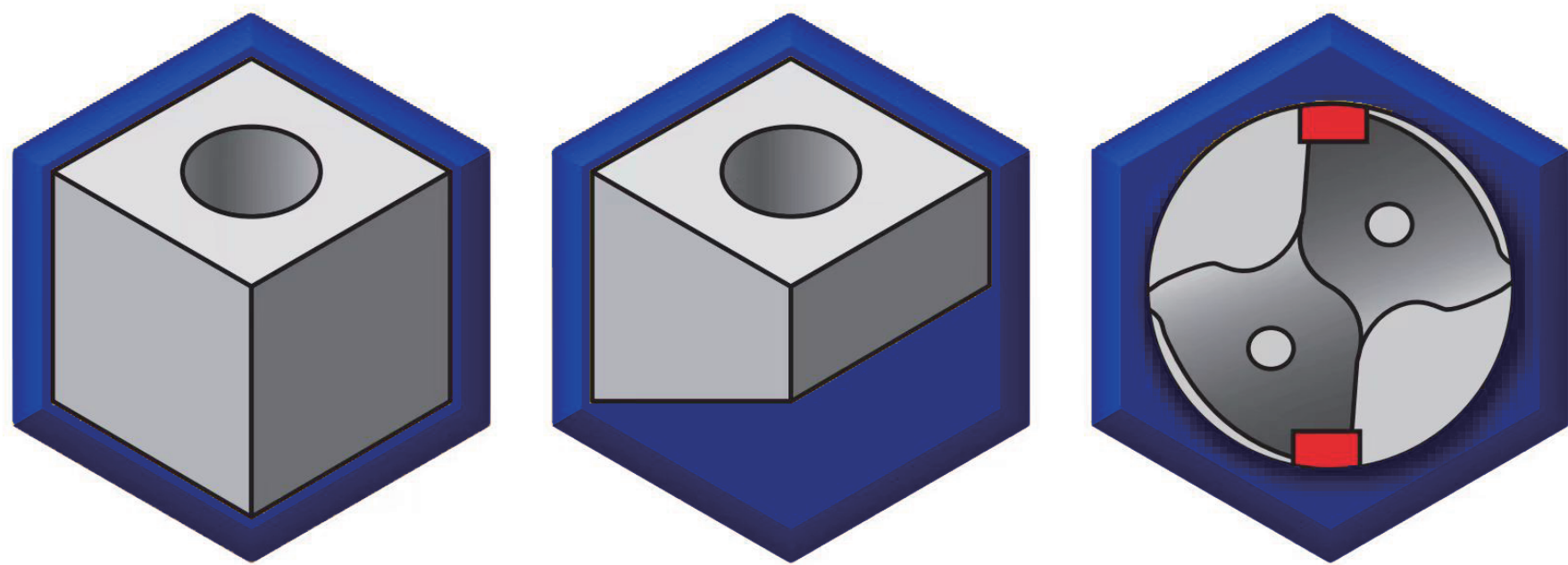
| No.<br>型号    | D1    |        | Holder size<br>刀座尺寸 |
|--------------|-------|--------|---------------------|
|              | mm    | in     |                     |
| NKM.3850.PLM | 38.50 | 1.5157 | 10                  |
| NKM.3860.PLM | 38.60 | 1.5197 | 10                  |
| NKM.3870.PLM | 38.70 | 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<br>D1公制 | Tolerances h8<br>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 Drills Series • Grade N320

NKM.PLM 钻头系列 • 材质N320

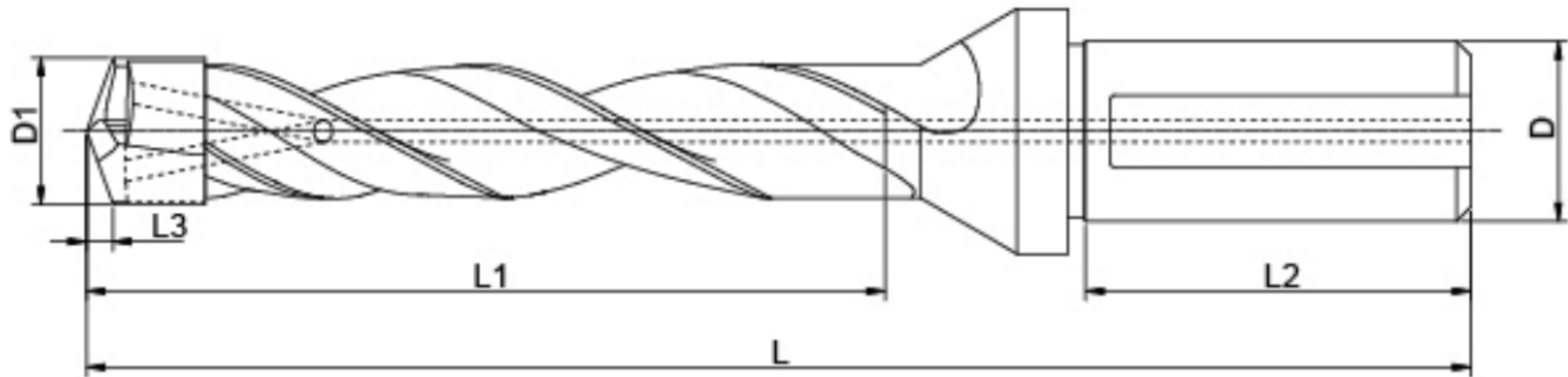
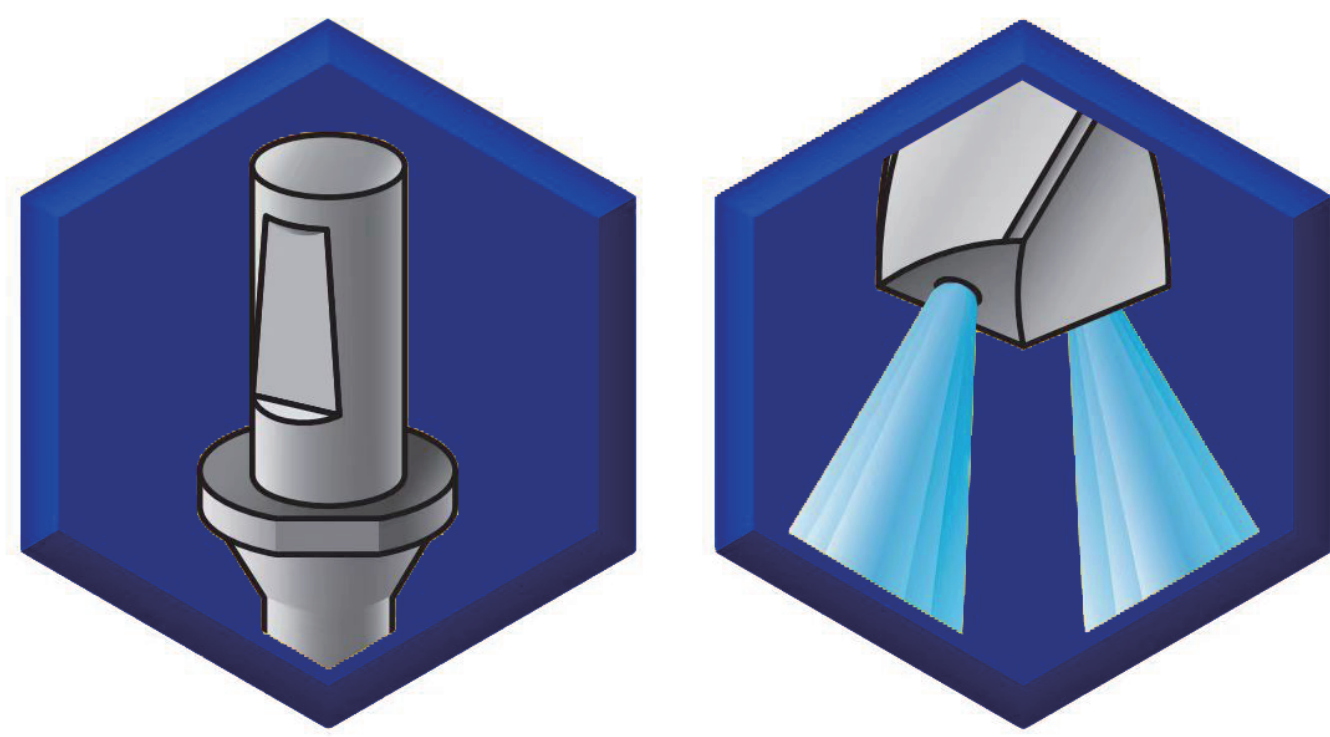


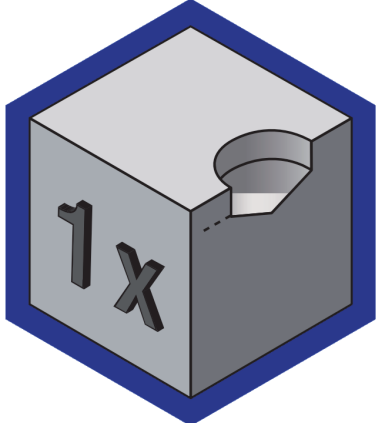
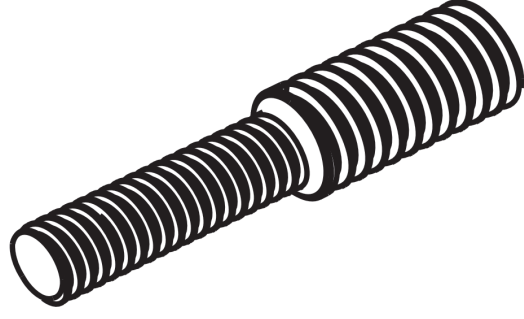
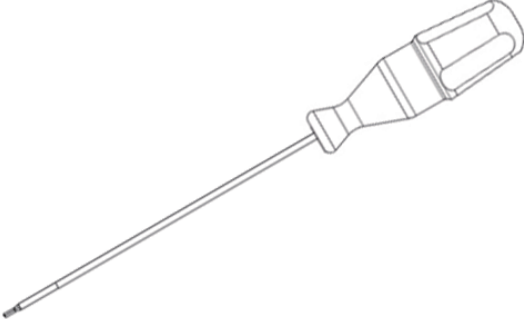
| NKM.PLM Series<br>Grade: N320 |   |                                                        |                |             |                                                        |           |           |           |           |           |           |
|-------------------------------|---|--------------------------------------------------------|----------------|-------------|--------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material Grouping<br>材质分组     |   | Cutting speed-Vc<br>Range-m/min<br>切削速度-Vc<br>范围-m/min |                |             | Metrisch<br>公制                                         |           |           |           |           |           |           |
|                               |   |                                                        |                |             | Recommended feed rate (f) per diameter<br>根据直径推荐进给率(f) |           |           |           |           |           |           |
|                               |   | Min.<br>最小值                                            | Initial<br>初始值 | Max.<br>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 |



Modular Drills Holder • 1D

模块化钻杆 • 1D

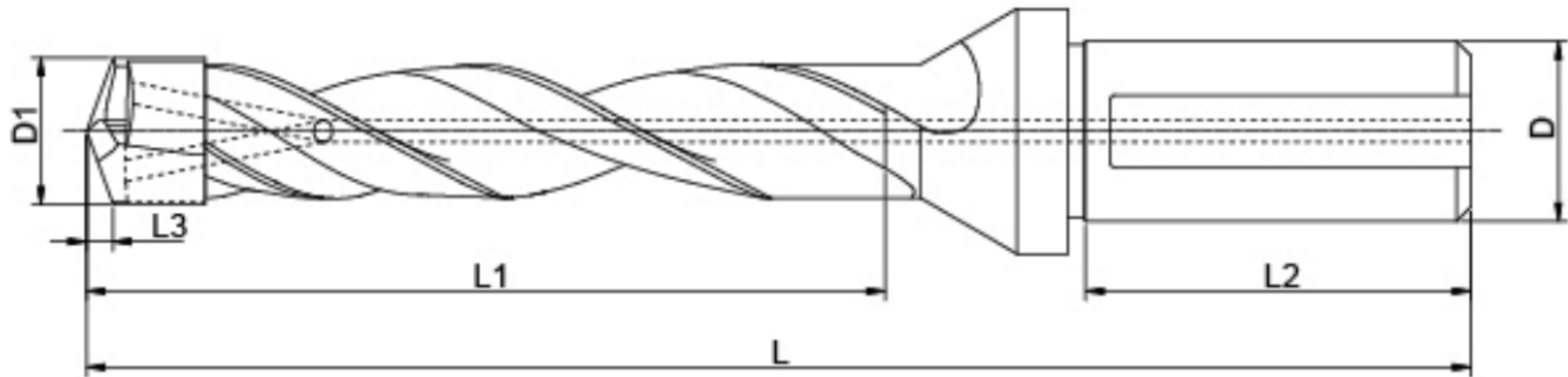


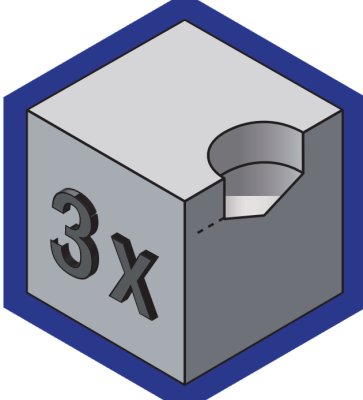
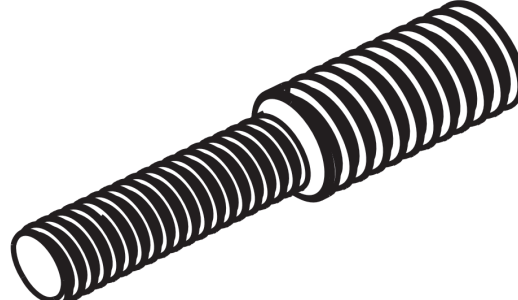
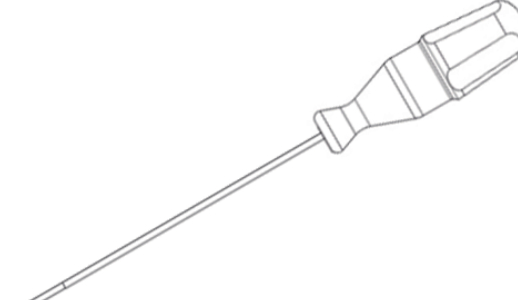
|  1×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | 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                                                                                             |



Modular Drills Holder • 3D

模块化钻杆 • 3D

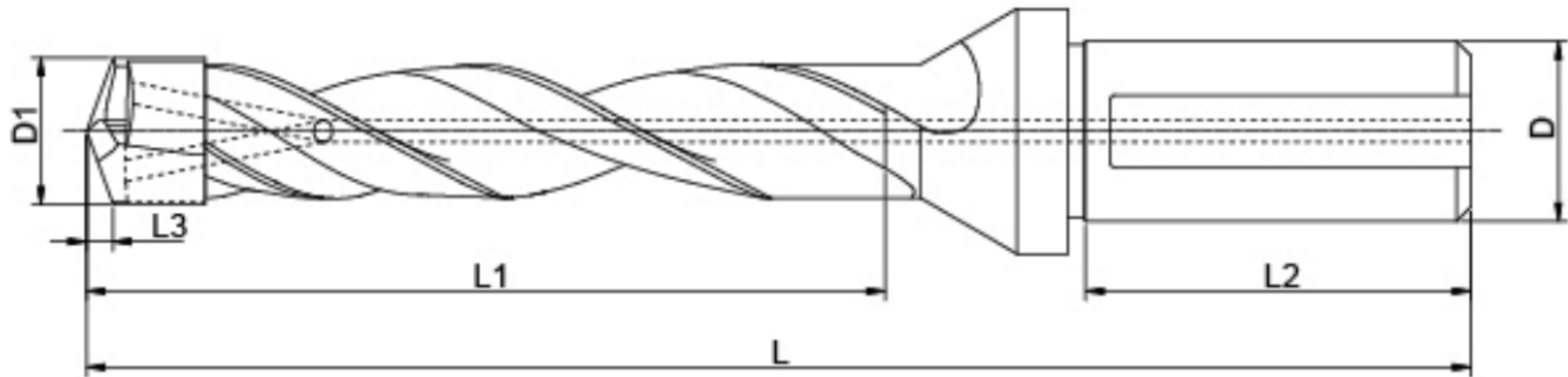
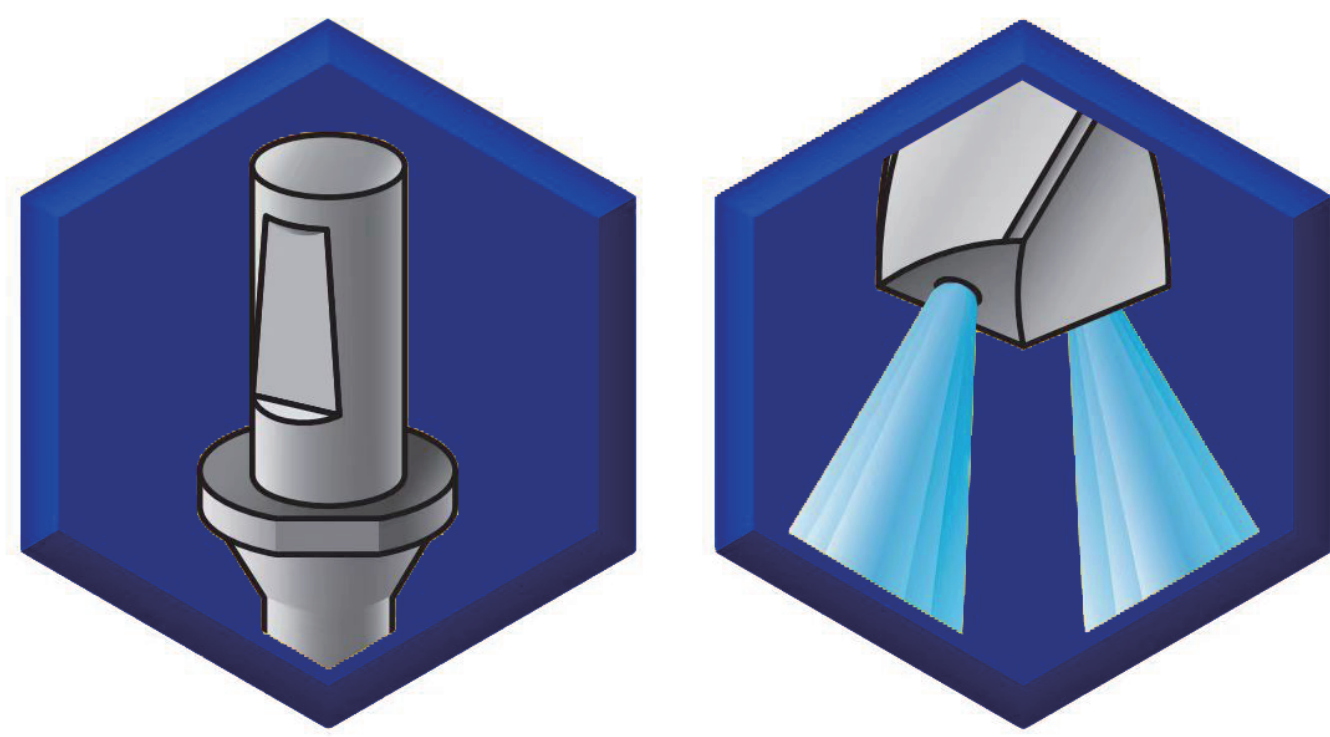


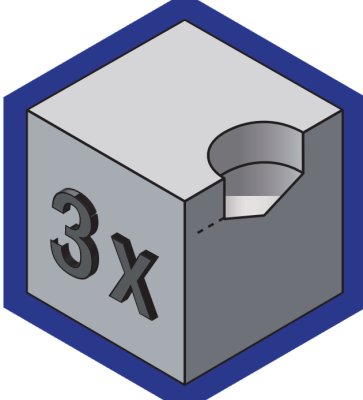
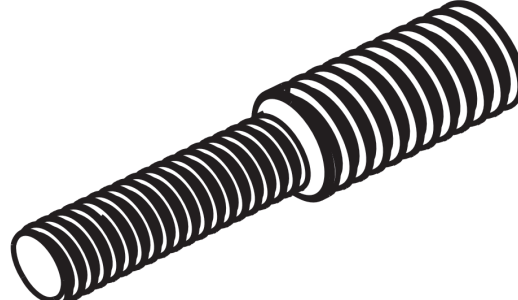
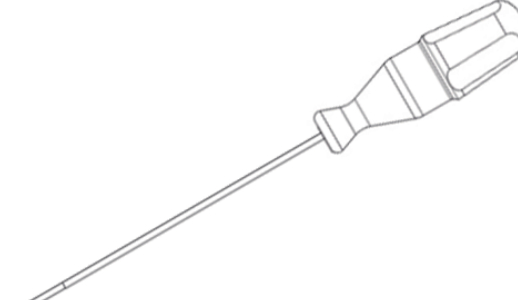
|  3×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | 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                                                                                             |



Modular Drills Holder • 3D

模块化钻杆 • 3D

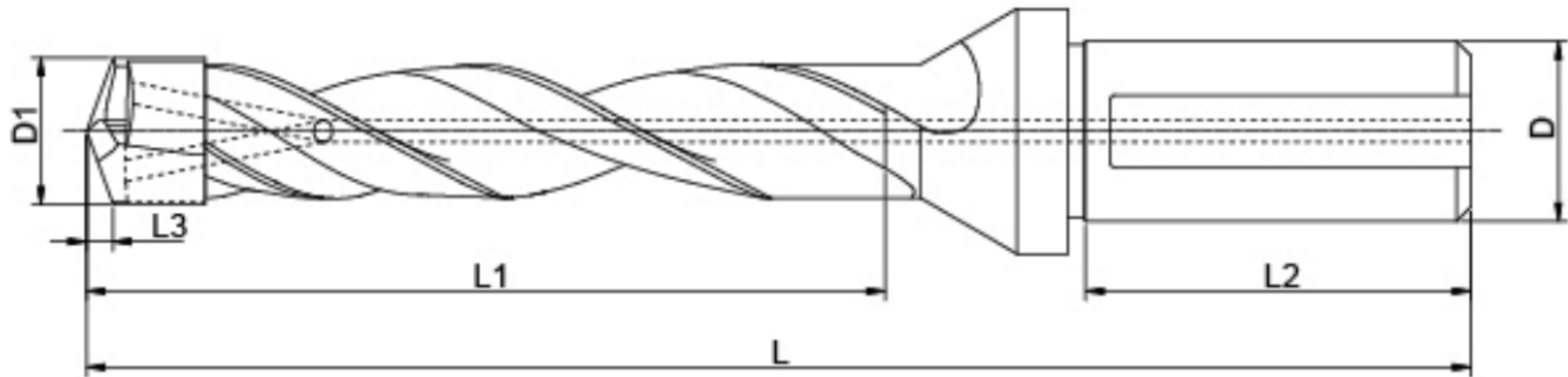
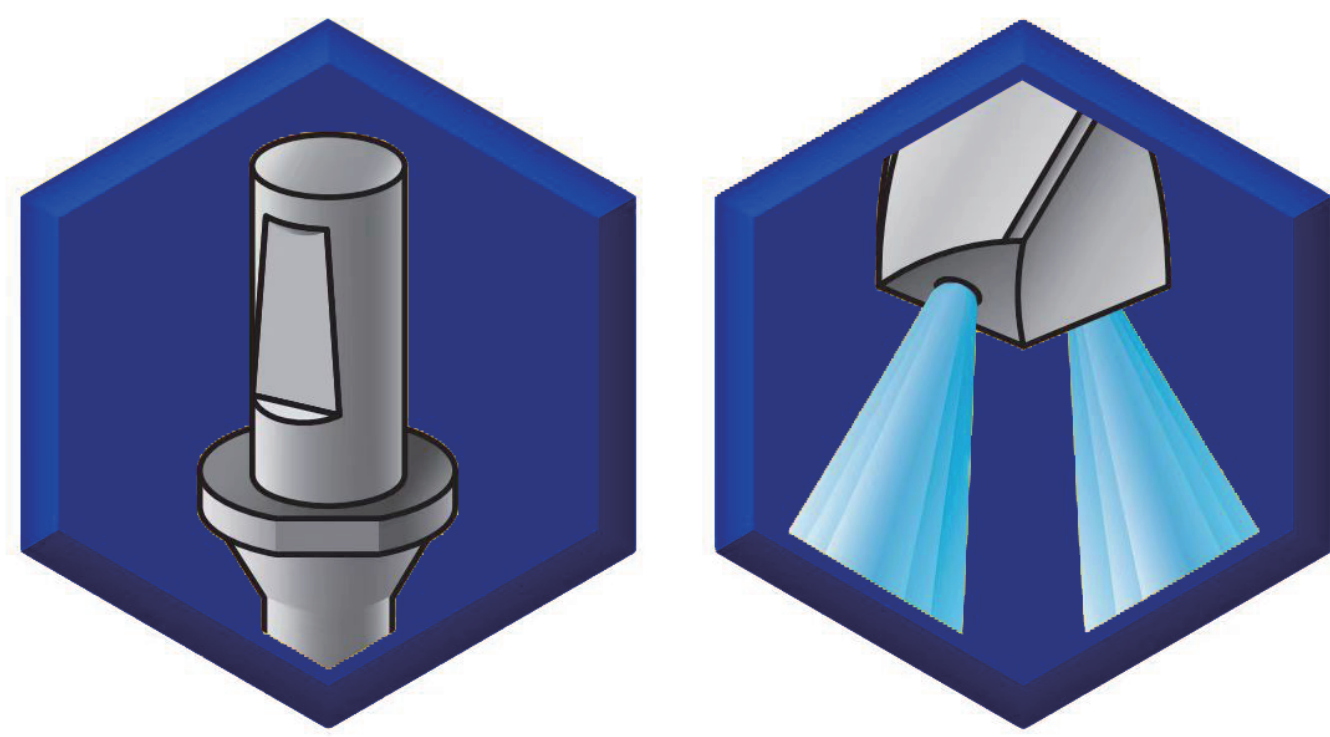


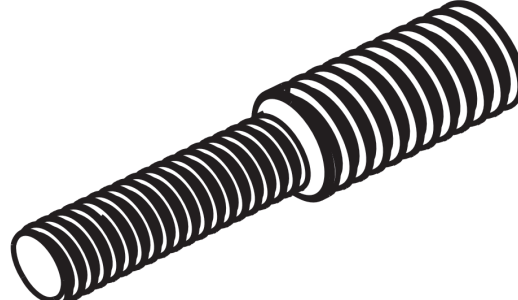
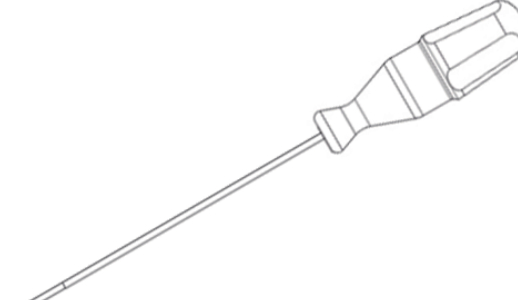
|  3×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | Min   | Max   |                            |                                                                                                                          |                                                                                                     |
| 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                                                                                             |



Modular Drills Holder • 5D

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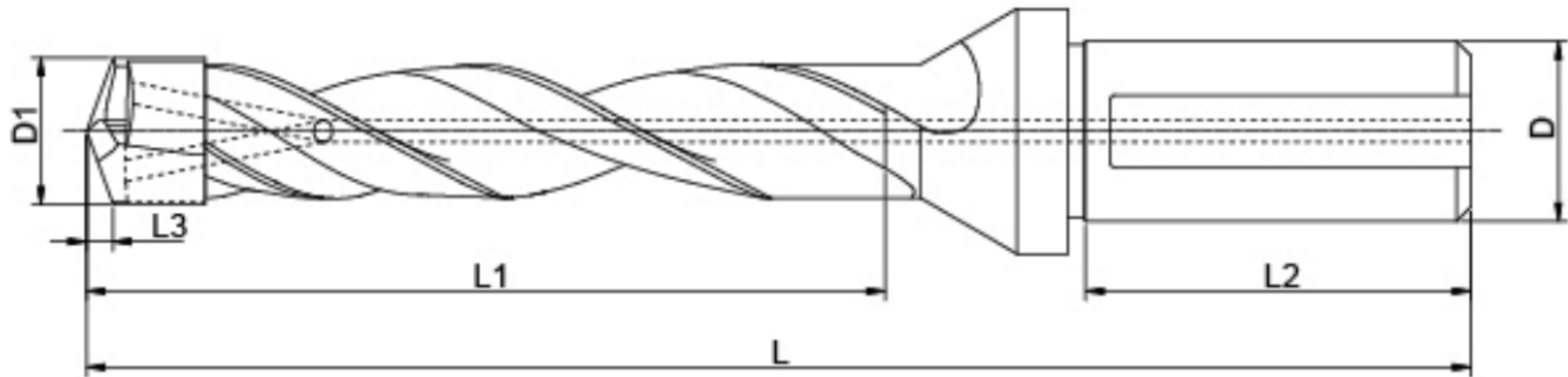
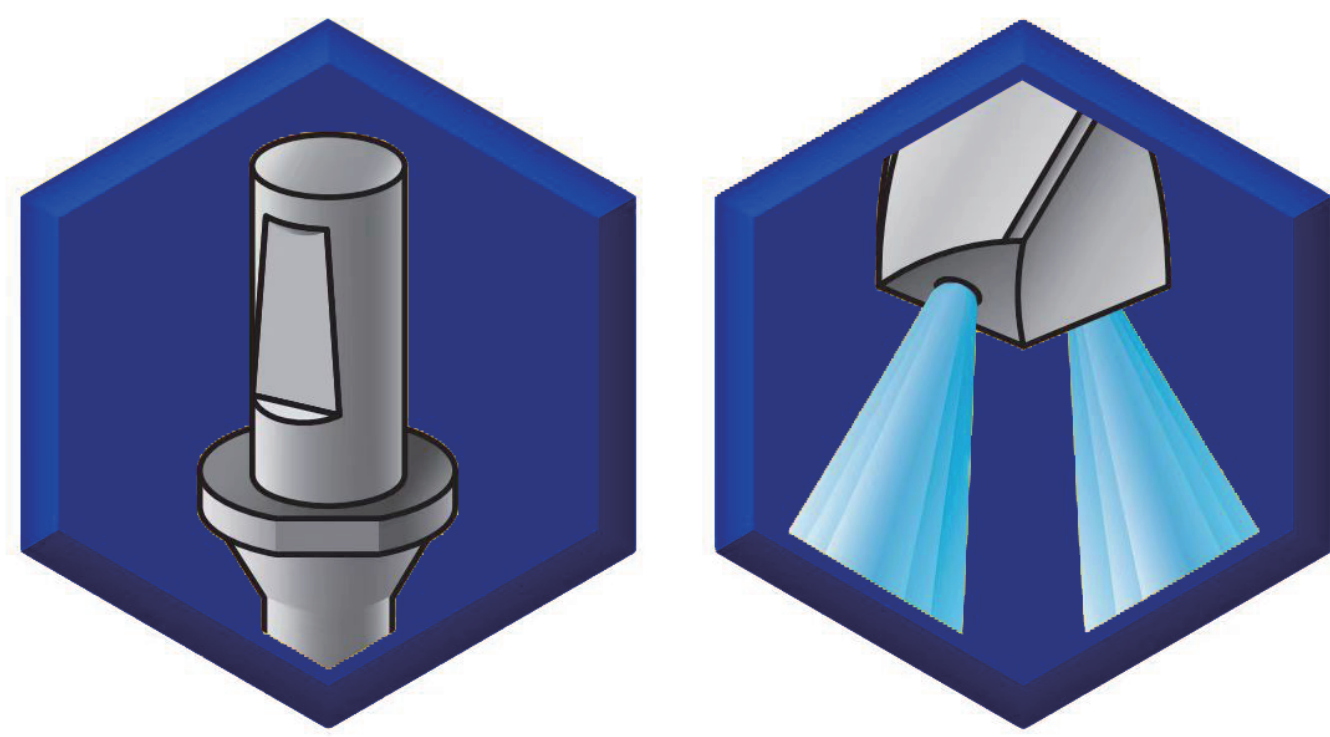


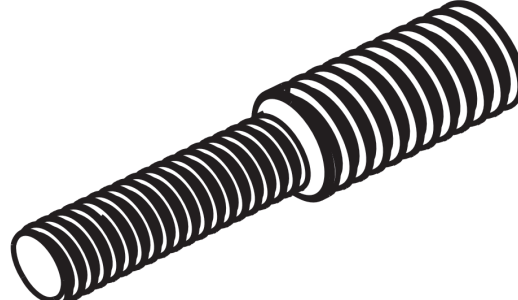
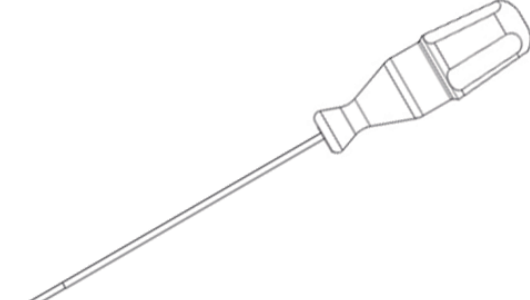
|  5×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | 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                                                                                             |



Modular Drills Holder • 5D

模块化钻杆 • 5D

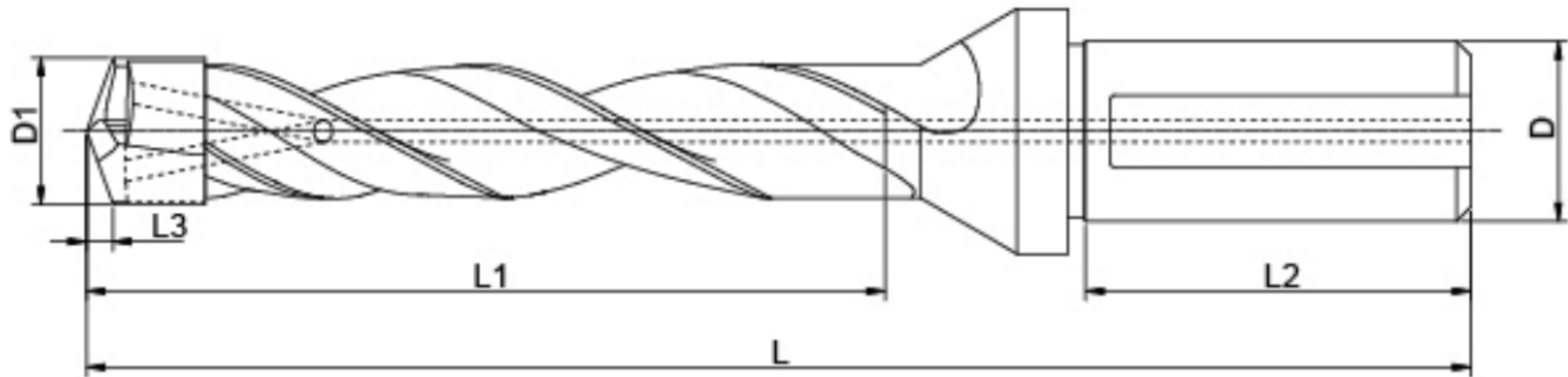


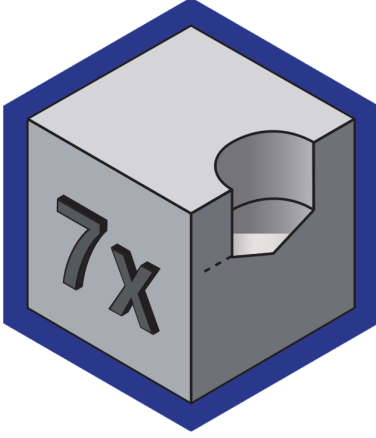
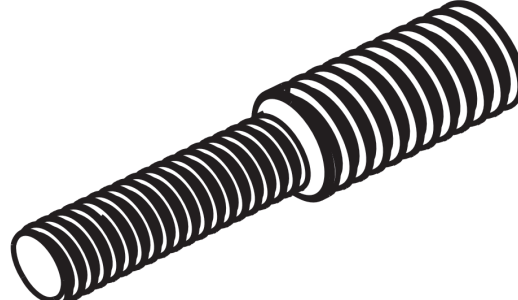
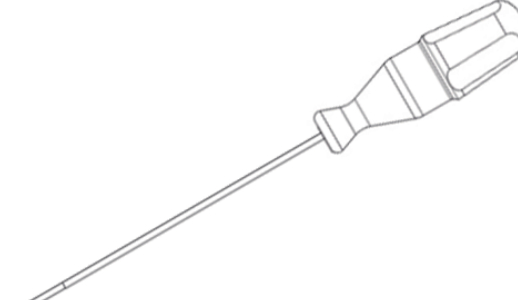
|  5×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | 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                                                                                             |



Modular Drills Holder • 7D

模块化钻杆 • 7D

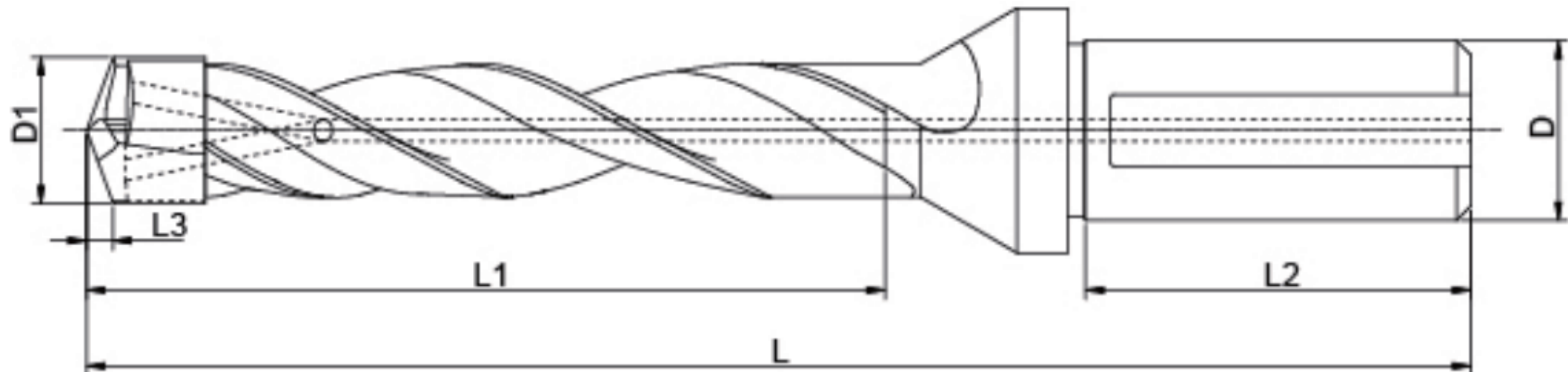


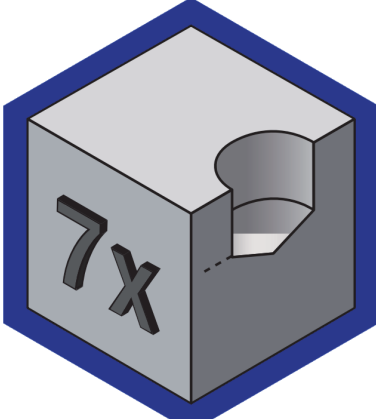
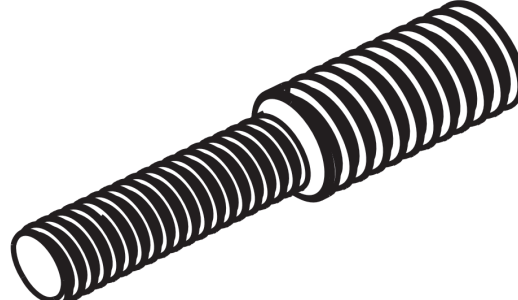
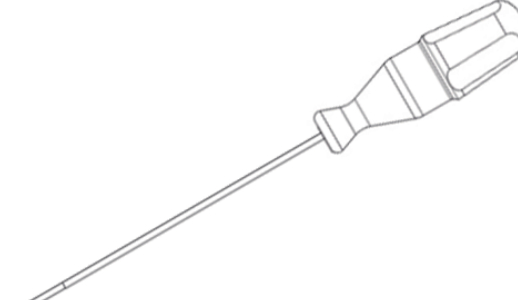
|  7×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | 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                                                                                             |



Modular Drills Holder • 7D

模块化钻杆 • 7D

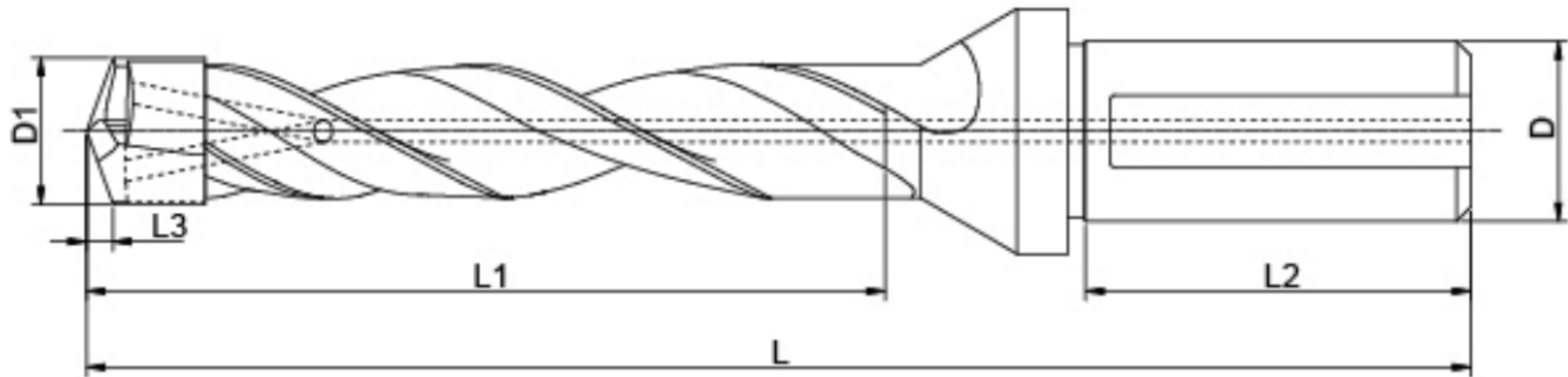


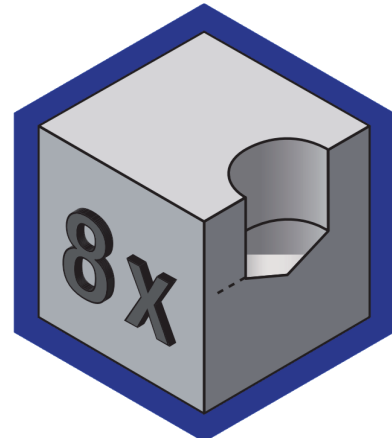
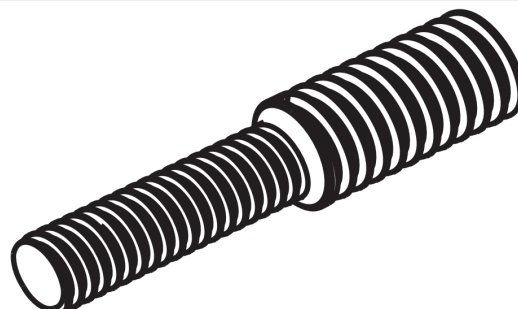
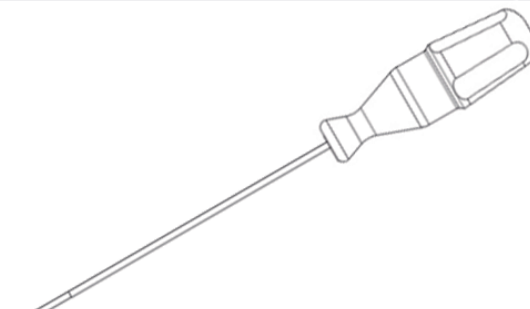
|  7×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | Min   | Max   |                            |                                                                                                                          |                                                                                                     |
| 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                                                                                             |



Modular Drills Holder • 8D

模块化钻杆 • 8D

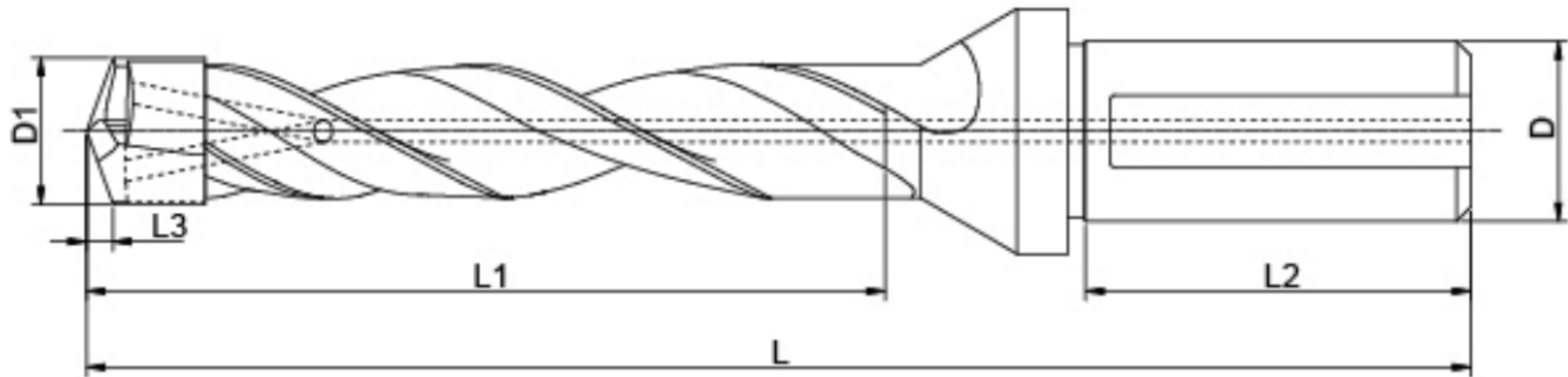
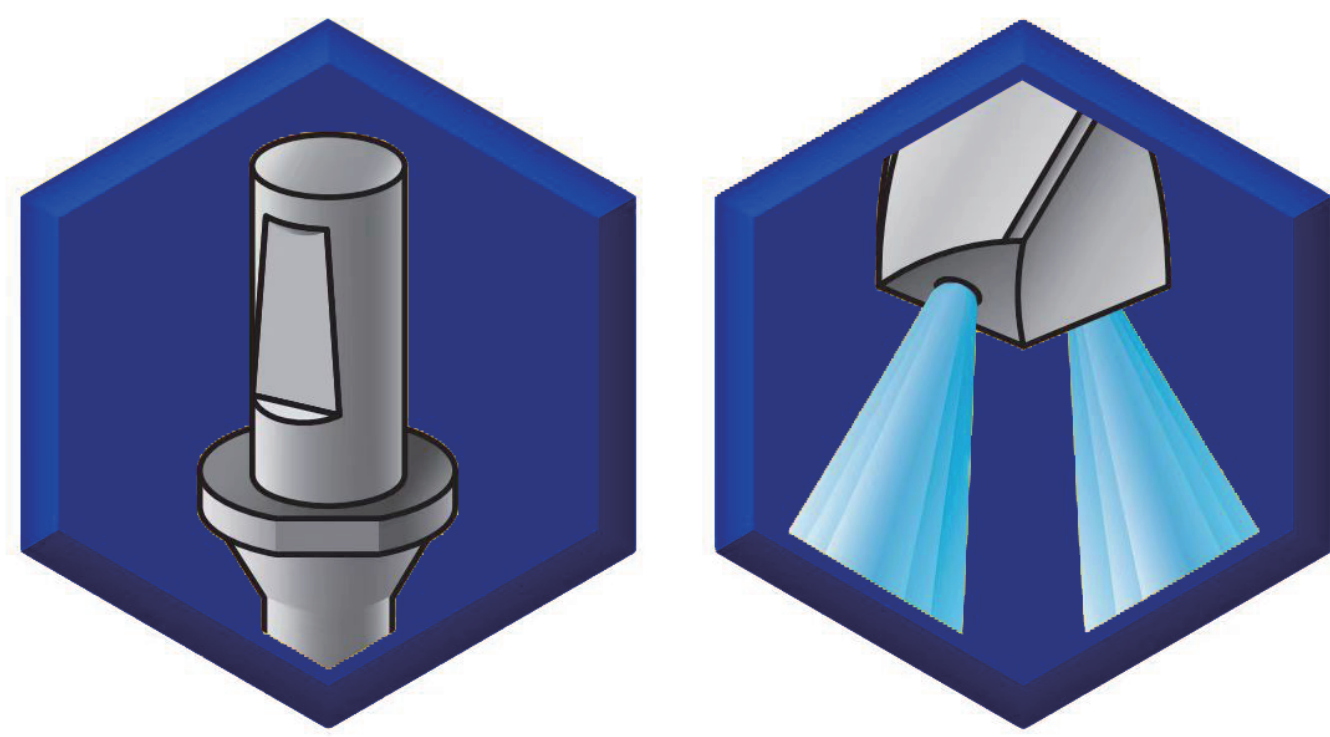


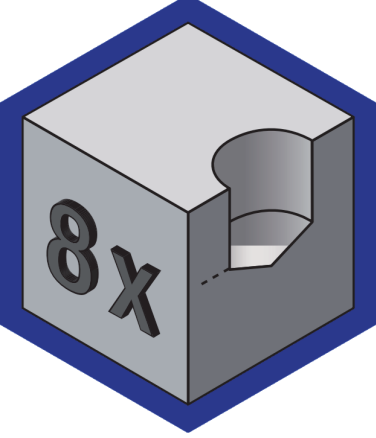
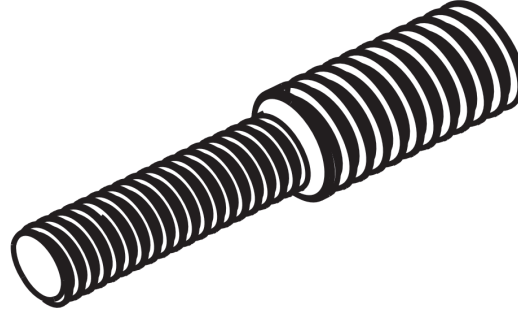
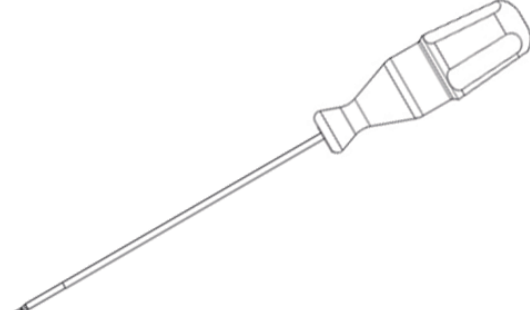
|  8×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | 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                                                                                             |



Modular Drills Holder • 8D

模块化钻杆 • 8D

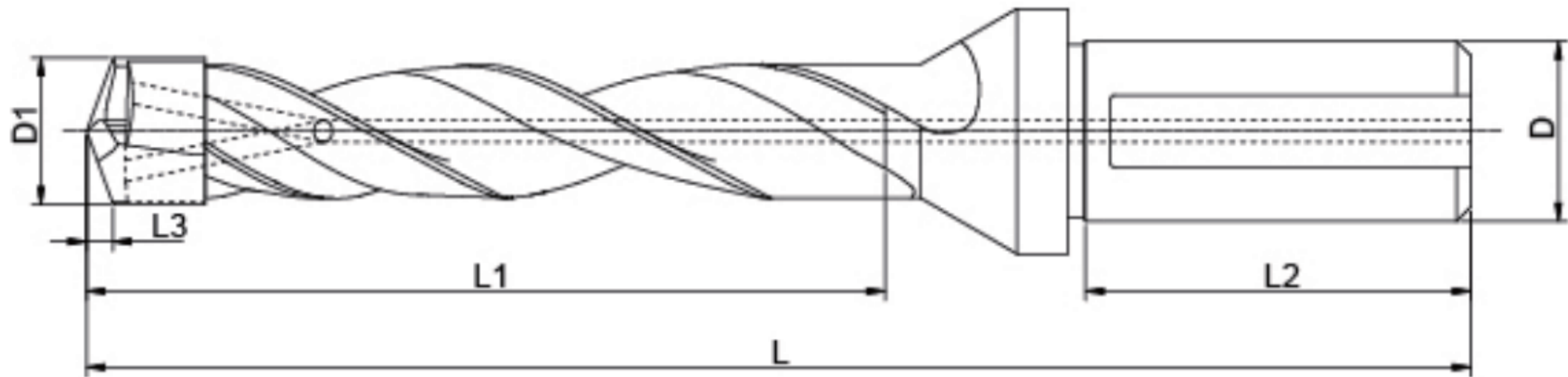
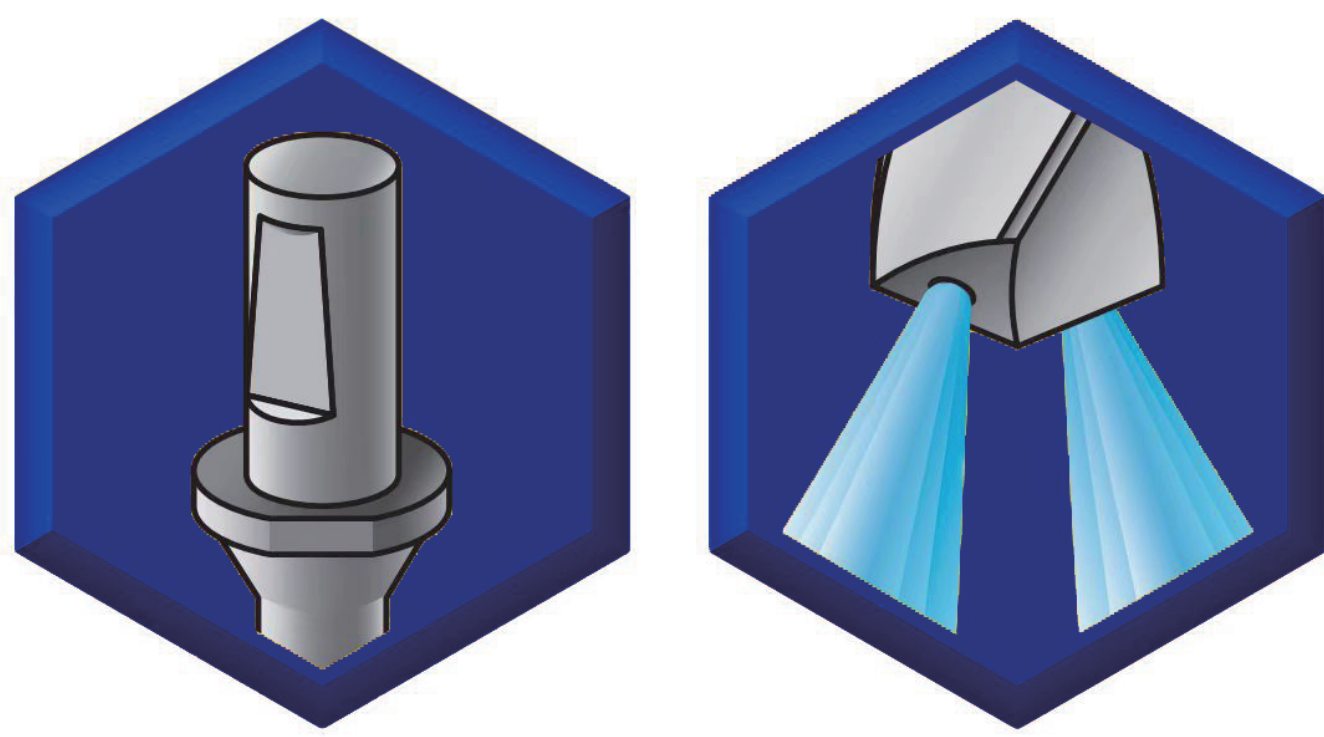


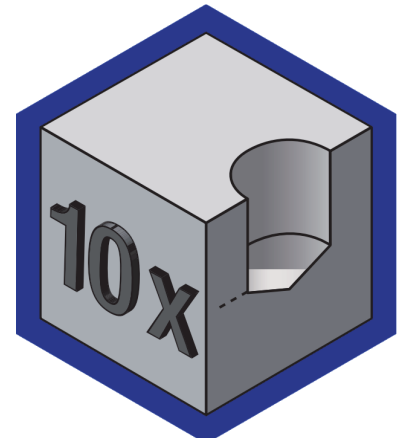
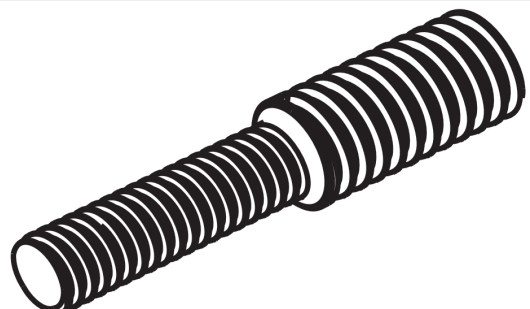
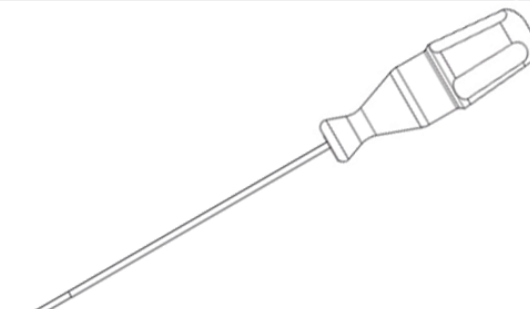
|  8×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                        |         |          |          |          |         | 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                                                                                             |



Modular Drills Holder • 10D

模块化钻杆 • 10D

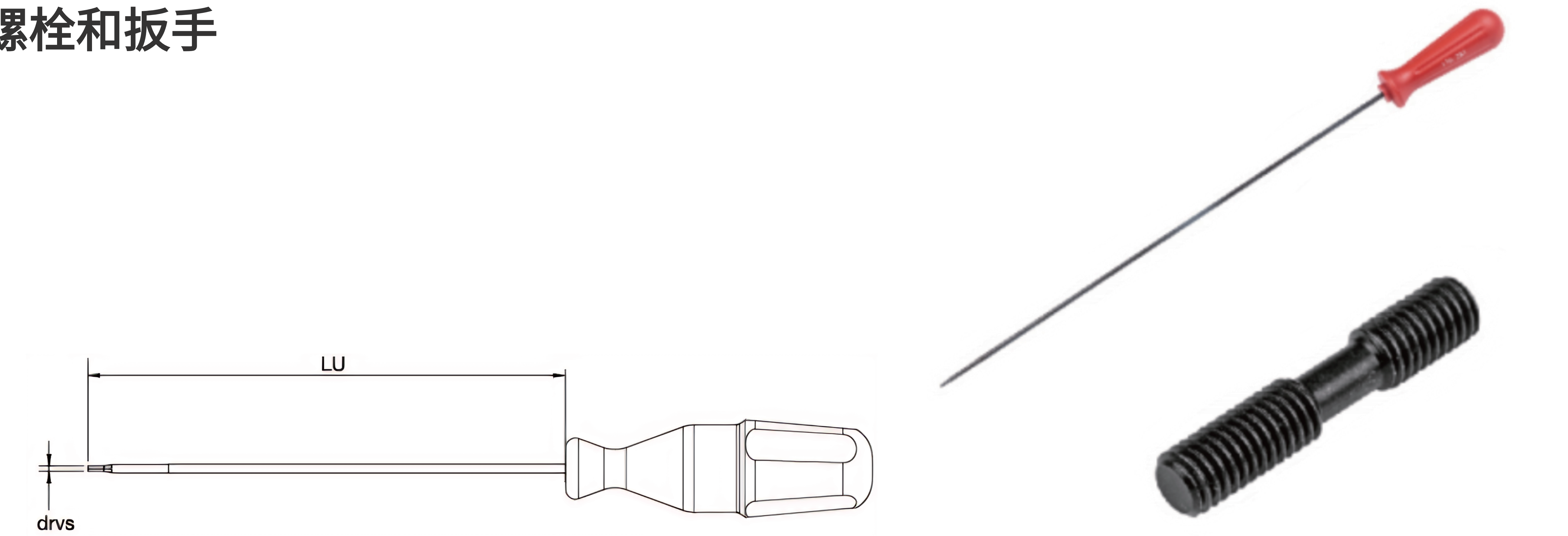


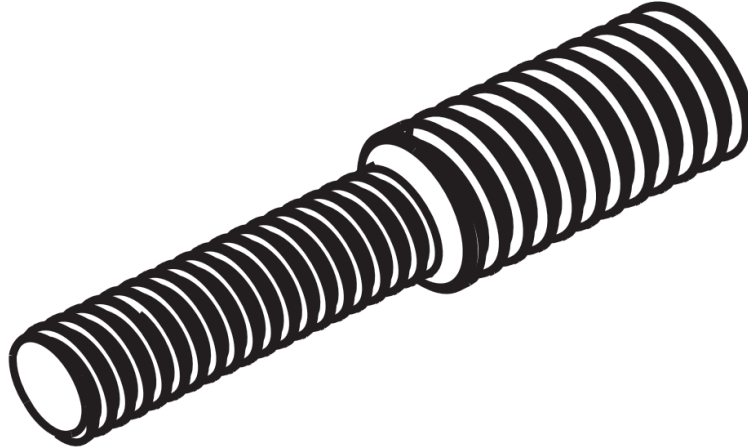
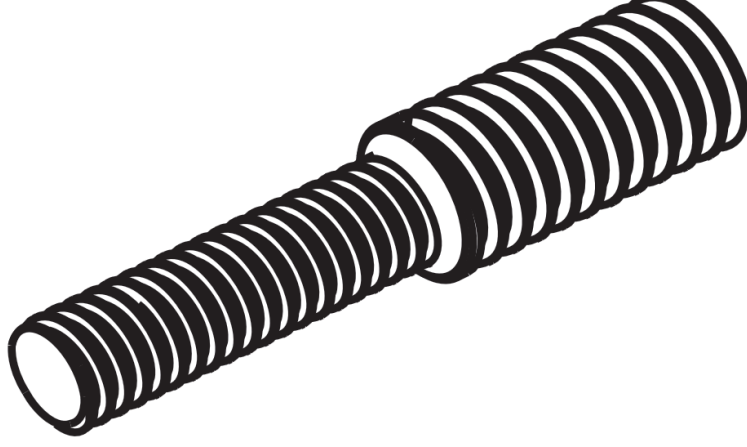
|  10×D | L<br>mm | L1<br>mm | L3<br>mm | L2<br>mm | D<br>mm | D1 mm |       | Holder<br>type<br>刀座<br>尺寸 | <br>Axial clamping<br>screw<br>中心锁紧螺钉 | <br>Wrench<br>扳手 |
|-----------------------------------------------------------------------------------------|---------|----------|----------|----------|---------|-------|-------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                                                         |         |          |          |          |         | 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<br>扳手代码 | DRVS  | LU  |     |  |  |
|---------------------|-------|-----|-----|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     |       | Min | Max | Axial clamping screw<br>D1<32mm                                                       | Axial clamping screw<br>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



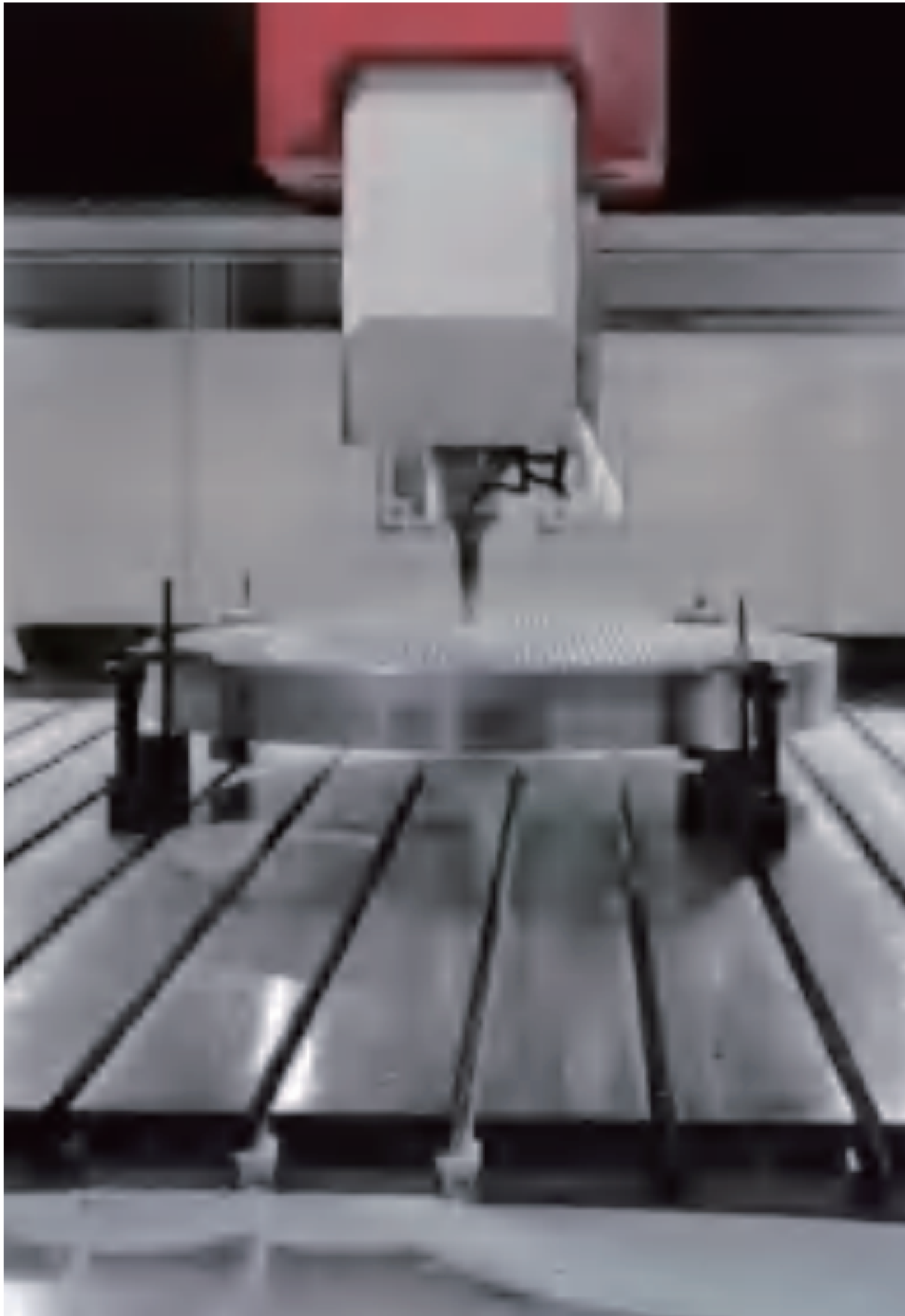
|                     |                         |
|---------------------|-------------------------|
| Machine Model       | Fein Double Axis Gantry |
| Drill Model         | D25.30-S Crown Drill    |
| Material            | 304                     |
| Material Hardness   | <HB240                  |
| 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 |



# MODULAR DRILLS CATALOGUE

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