

## 高性能粉末高速钢钻头 PM-HSS Drills

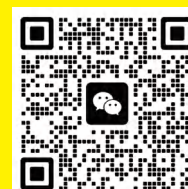


上海方瀚精密工具有限公司  
上海市金山工业区亭朱公路69号  
201506  
Info@fonhae.com  
www.fonhae.com

Shanghai Fonhae Precision Tools Co., Ltd.  
No.69 Tingzhu Rd.Jinshan, Shanghai P.R.China  
201506  
Info@fonhae.com  
www.fonhae.com



2024-2025样本



方瀚工具源头生产厂家

**上海方瀚精密工具有限公司**

Shanghai Fonhae Precision Tools Co., Ltd.

自定心无需定点钻

Self-centering without point drilling

规格齐全：0.5-12mm

Complete in specifications

超微纳米复合涂层

Ultramicro nano composite coating

成型槽

Forming groove

母材：粉末高速钢

Base material: PM-HSS



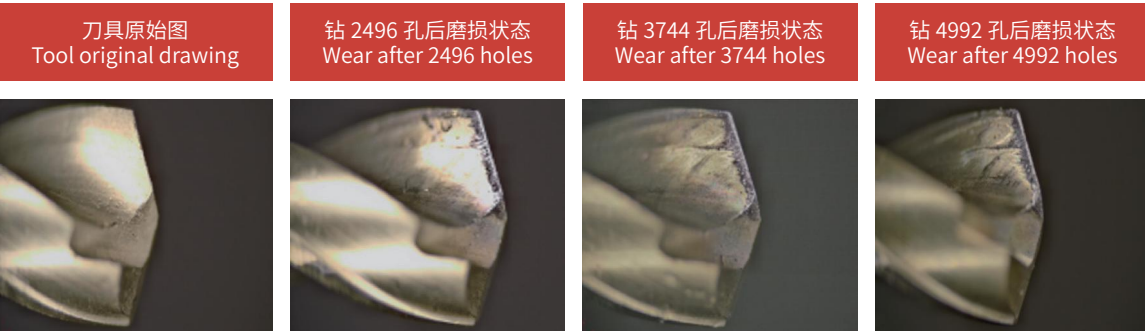
D0769 系列可切削材料表  
D0769 Series machinable material table

| 一般钢<br>Steel | 碳素钢<br>carbon<br>steel | 合金钢<br>Alloy<br>steel | 压铸钢<br>预铸钢<br>Pressed-<br>steel<br>Precast<br>steel | 高硬钢<br>High-hard<br>steel    | 不锈钢<br>Stainless<br>steel  | 钛合金<br>耐热合金<br>Titanium<br>alloy<br>calorite | 铸铁<br>Cast iron | 铝合金<br>Aluminium<br>alloy | 铜合金<br>Copper<br>alloy |
|--------------|------------------------|-----------------------|-----------------------------------------------------|------------------------------|----------------------------|----------------------------------------------|-----------------|---------------------------|------------------------|
| SS400        | S45C<br>S50C           | SCM NAK               | 30~40<br>HRC                                        | 40~50<br>HRC<br>50~65<br>HRC | SUS304<br>SUS316<br>SUS420 |                                              | FCD FC          | AC ADC                    | Cu                     |
| ◎            | ◎                      | ◎                     | ◎                                                   | X                            | ◎                          | ◎                                            | ◎               | ○                         | ○                      |

◎ 非常适合Very appropriate    ○ 适合Appropriate    X 不适合Inappropriate

D0769 高性能粉末高速钢钻头钻孔性能测试结果：  
D0769 High performance PM-HSS drills drilling performance test results

- 1、规格 Size：D0769-D2.27x13HxD3x45L
- 2、被加工材料 Processed material：SUS304
- 3、加工深度 Processing depth：7.0mm 盲孔
- 4、加工设备 Processing equipment：DOOSAN-T4050
- 5、冷却方式 Type of cooling：油性外冷切削油 Oil-based external cold cutting oil
- 6、加工参数 Processing parameter：VC11.93, F0.047, Q1.7(S1673, F80, Q1.7)



D0769 高性能粉末高速钢钻头与其它公司产品磨损比较：  
D0769 High performance PM-HSS drills Wear comparison with other companies' products:

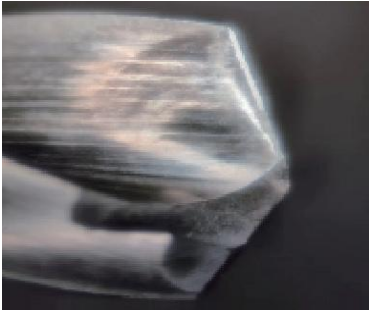
- 1、规格 Size：D6
- 2、加工参数 Processing parameter：VC15, F0.052 ( S765, F40, Q3 )
- 3、被加工材料及深度 Material to be processed and depth：SUS304, 深度 18mm 盲孔 depth 18mm blind hole
- 4、加工设备及冷却方式 Processing equipment and cooling type：韩国 DOOSANT4050, 外冷切削油 Korea DOOSANT4050, external cold cutting oil
- 5、钻孔后刀具磨损状态 Tool wear after drilling：

龙晶微钻  
Dragon crystal microdrill  
D0769-D6 粉末高速钢钻  
D0769-D6 PM-HSS drill



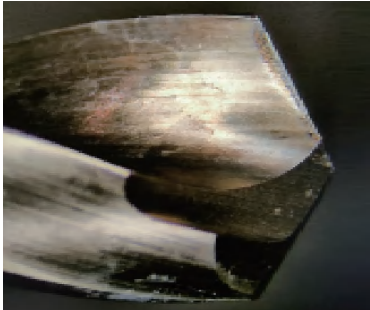
钻 543 个孔后磨损正常  
Normal wear after drilling 543 holes

国产它牌  
Domestic brand  
D6 粉末高速钢钻  
D6 PM-HSS drill

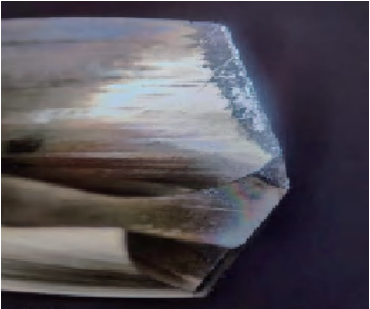


钻 362 个孔后磨损正常  
Normal wear after drilling 362 holes

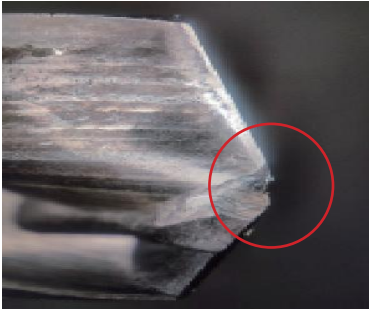
进口某公司  
Import company  
D6 粉末高速钢钻  
D6 PM-HSS drill



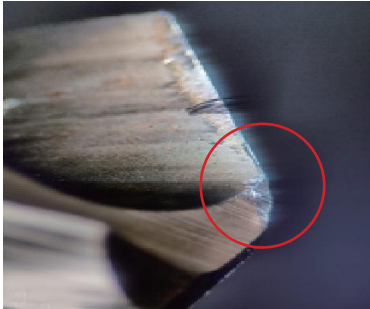
钻 308 个孔后磨损正常  
Normal wear after drilling 308 holes



钻 905 个孔后磨损正常  
Normal wear after drilling 905 holes



543 个孔后钻尖严重崩裂  
Severely cracked after drilling 543 holes



钻 905 个孔后钻尖轻微碎裂  
Slight breakage after drilling 543 holes

0769系列Series

高性能粉末高速钢钻头  
High performance PM-HSS Drills

●本产品使用范围广，适合不同被加工材料及工况的钻孔加工。  
This product has a wide range of use, suitable for drilling of different materials and working conditions.

热缩柄  
禁止  
热缩柄  
禁止使用  
Shrink fit  
handle  
prohibited

PM  
工具材料  
Tool  
material

复合层  
涂层  
Composite  
coating

h7  
直径公差  
Diameter  
tolerance

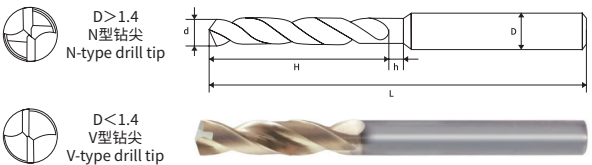
118°  
直径dia.  
≤1.9

135°  
直径dia.  
>1.9

31°  
~32°  
螺旋角  
Helix angle

h7  
柄直径公差  
Handle  
diameter  
tolerance

0.5 12.0  
直径范围  
Diameter range



| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-0500     | 0.50    | 3.0     | 2.0     | 38      | 3.0     |
| D0769-0510     | 0.51    |         |         |         |         |
| D0769-0520     | 0.52    |         |         |         |         |
| D0769-0530     | 0.53    |         |         |         |         |
| D0769-0540     | 0.54    |         |         |         |         |
| D0769-0550     | 0.55    |         |         |         |         |
| D0769-0560     | 0.56    |         |         |         |         |
| D0769-0570     | 0.57    |         |         |         |         |
| D0769-0580     | 0.58    |         |         |         |         |
| D0769-0590     | 0.59    |         |         |         |         |
| D0769-0600     | 0.60    | 3.5     | 2.0     | 38      | 3.0     |
| D0769-0610     | 0.61    |         |         |         |         |
| D0769-0620     | 0.62    |         |         |         |         |
| D0769-0630     | 0.63    |         |         |         |         |
| D0769-0640     | 0.64    |         |         |         |         |
| D0769-0650     | 0.65    |         |         |         |         |
| D0769-0660     | 0.66    |         |         |         |         |
| D0769-0670     | 0.67    |         |         |         |         |
| D0769-0680     | 0.68    |         |         |         |         |
| D0769-0690     | 0.69    |         |         |         |         |
| D0769-0700     | 0.70    | 4.5     | 2.0     | 38      | 3.0     |
| D0769-0710     | 0.71    |         |         |         |         |
| D0769-0720     | 0.72    |         |         |         |         |
| D0769-0730     | 0.73    |         |         |         |         |
| D0769-0740     | 0.74    |         |         |         |         |
| D0769-0750     | 0.75    |         |         |         |         |
| D0769-0760     | 0.76    |         |         |         |         |
| D0769-0770     | 0.77    |         |         |         |         |
| D0769-0780     | 0.78    |         |         |         |         |
| D0769-0790     | 0.79    |         |         |         |         |
| D0769-0800     | 0.80    | 5.0     | 2.0     | 38      | 3.0     |
| D0769-0810     | 0.81    |         |         |         |         |
| D0769-0820     | 0.82    |         |         |         |         |
| D0769-0830     | 0.83    |         |         |         |         |
| D0769-0840     | 0.84    |         |         |         |         |
| D0769-0850     | 0.85    |         |         |         |         |
| D0769-0860     | 0.86    |         |         |         |         |
| D0769-0870     | 0.87    |         |         |         |         |
| D0769-0880     | 0.88    |         |         |         |         |
| D0769-0890     | 0.89    |         |         |         |         |
| D0769-0900     | 0.90    | 5.5     | 2.0     | 38      | 3.0     |
| D0769-0910     | 0.91    |         |         |         |         |
| D0769-0920     | 0.92    |         |         |         |         |
| D0769-0930     | 0.93    |         |         |         |         |
| D0769-0940     | 0.94    |         |         |         |         |
| D0769-0950     | 0.95    |         |         |         |         |
| D0769-0960     | 0.96    |         |         |         |         |
| D0769-0970     | 0.97    |         |         |         |         |
| D0769-0980     | 0.98    |         |         |         |         |
| D0769-0990     | 0.99    |         |         |         |         |

| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-1000     | 1.00    | 6.0     | 2.0     | 38      | 3.0     |
| D0769-1010     | 1.01    |         |         |         |         |
| D0769-1020     | 1.02    |         |         |         |         |
| D0769-1030     | 1.03    |         |         |         |         |
| D0769-1040     | 1.04    |         |         |         |         |
| D0769-1050     | 1.05    |         |         |         |         |
| D0769-1060     | 1.06    |         |         |         |         |
| D0769-1070     | 1.07    |         |         |         |         |
| D0769-1080     | 1.08    |         |         |         |         |
| D0769-1090     | 1.09    |         |         |         |         |
| D0769-1100     | 1.10    | 7.0     | 2.0     | 39      | 3.0     |
| D0769-1110     | 1.11    |         |         |         |         |
| D0769-1120     | 1.12    |         |         |         |         |
| D0769-1130     | 1.13    |         |         |         |         |
| D0769-1140     | 1.14    |         |         |         |         |
| D0769-1150     | 1.15    |         |         |         |         |
| D0769-1160     | 1.16    |         |         |         |         |
| D0769-1170     | 1.17    |         |         |         |         |
| D0769-1180     | 1.18    |         |         |         |         |
| D0769-1190     | 1.19    |         |         |         |         |
| D0769-1200     | 1.20    | 8.0     | 2.0     | 40      | 3.0     |
| D0769-1210     | 1.21    |         |         |         |         |
| D0769-1220     | 1.22    |         |         |         |         |
| D0769-1230     | 1.23    |         |         |         |         |
| D0769-1240     | 1.24    |         |         |         |         |
| D0769-1250     | 1.25    |         |         |         |         |
| D0769-1260     | 1.26    |         |         |         |         |
| D0769-1270     | 1.27    |         |         |         |         |
| D0769-1280     | 1.28    |         |         |         |         |
| D0769-1290     | 1.29    |         |         |         |         |
| D0769-1300     | 1.30    | 9.0     | 2.0     | 41      | 3.0     |
| D0769-1310     | 1.31    |         |         |         |         |
| D0769-1320     | 1.32    |         |         |         |         |
| D0769-1330     | 1.33    |         |         |         |         |
| D0769-1340     | 1.34    |         |         |         |         |
| D0769-1350     | 1.35    |         |         |         |         |
| D0769-1360     | 1.36    |         |         |         |         |
| D0769-1370     | 1.37    |         |         |         |         |
| D0769-1380     | 1.38    |         |         |         |         |
| D0769-1390     | 1.39    |         |         |         |         |
| D0769-1400     | 1.40    | 9.0     | 2.0     | 41      | 3.0     |
| D0769-1410     | 1.41    |         |         |         |         |
| D0769-1420     | 1.42    |         |         |         |         |
| D0769-1430     | 1.43    |         |         |         |         |
| D0769-1440     | 1.44    |         |         |         |         |
| D0769-1450     | 1.45    |         |         |         |         |
| D0769-1460     | 1.46    |         |         |         |         |
| D0769-1470     | 1.47    |         |         |         |         |
| D0769-1480     | 1.48    |         |         |         |         |
| D0769-1490     | 1.49    |         |         |         |         |

高性能粉末高速钢钻头

High performance PM-HSS Drills



0769系列Series

高性能粉末高速钢钻头

High performance PM-HSS Drills

●本产品使用范围广，适合不同被加工材料及工况的钻孔加工。

This product has a wide range of use, suitable for drilling of different materials and working conditions.

热缩柄  
禁止

热缩柄  
禁止使用  
Shrink fit  
handle  
prohibited

PM

工具材料  
Tool  
material

复合  
涂层

涂层  
Composite  
coating

h7

直径公差  
Diameter  
tolerance

118°

直径dia.  
≤1.9

135°

直径dia.  
>1.9

31°  
~32°

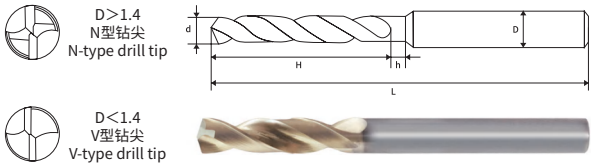
螺旋角  
Helix angle

h7

柄直径公差  
Handle  
diameter  
tolerance

0.5 12.0

直径范围  
Diameter range



高性能粉末高速钢钻头

High performance PM-HSS Drills



0769系列Series

高性能粉末高速钢钻头

High performance PM-HSS Drills

●本产品使用范围广，适合不同被加工材料及工况的钻孔加工。

This product has a wide range of use, suitable for drilling of different materials and working conditions.

热缩柄  
禁止

热缩柄  
禁止使用  
Shrink fit  
handle  
prohibited

PM

工具材料  
Tool  
material

复合  
涂层

涂层  
Composit  
coating

h7

直径公差  
Diameter  
tolerance

118°

直径dia.  
≤1.9

135°

直径dia.  
>1.9

31°  
~32°

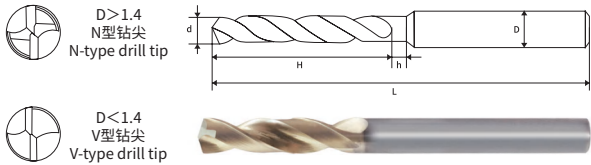
螺旋角  
Helix angle

h7

柄直径公差  
Handle  
diameter  
tolerance

0.5 12.0

直径范围  
Diameter range



| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-1500     | 1.50    | 9.0     | 2.0     | 41      | 3.0     |
| D0769-1510     | 1.51    |         |         |         |         |
| D0769-1520     | 1.52    |         |         |         |         |
| D0769-1530     | 1.53    |         |         |         |         |
| D0769-1540     | 1.54    |         |         |         |         |
| D0769-1550     | 1.55    |         |         |         |         |
| D0769-1560     | 1.56    |         |         |         |         |
| D0769-1570     | 1.57    |         |         |         |         |
| D0769-1580     | 1.58    |         |         |         |         |
| D0769-1590     | 1.59    |         |         |         |         |
| D0769-1600     | 1.60    | 10.0    | 2.0     | 42      | 3.0     |
| D0769-1610     | 1.61    |         |         |         |         |
| D0769-1620     | 1.62    |         |         |         |         |
| D0769-1630     | 1.63    |         |         |         |         |
| D0769-1640     | 1.64    |         |         |         |         |
| D0769-1650     | 1.65    |         |         |         |         |
| D0769-1660     | 1.66    |         |         |         |         |
| D0769-1670     | 1.67    |         |         |         |         |
| D0769-1680     | 1.68    |         |         |         |         |
| D0769-1690     | 1.69    |         |         |         |         |
| D0769-1700     | 1.70    | 10.0    | 2.0     | 42      | 3.0     |
| D0769-1710     | 1.71    |         |         |         |         |
| D0769-1720     | 1.72    |         |         |         |         |
| D0769-1730     | 1.73    |         |         |         |         |
| D0769-1740     | 1.74    |         |         |         |         |
| D0769-1750     | 1.75    |         |         |         |         |
| D0769-1760     | 1.76    |         |         |         |         |
| D0769-1770     | 1.77    |         |         |         |         |
| D0769-1780     | 1.78    |         |         |         |         |
| D0769-1790     | 1.79    |         |         |         |         |
| D0769-1800     | 1.80    | 11.0    | 2.0     | 43      | 3.0     |
| D0769-1810     | 1.81    |         |         |         |         |
| D0769-1820     | 1.82    |         |         |         |         |
| D0769-1830     | 1.83    |         |         |         |         |
| D0769-1840     | 1.84    |         |         |         |         |
| D0769-1850     | 1.85    |         |         |         |         |
| D0769-1860     | 1.86    |         |         |         |         |
| D0769-1870     | 1.87    |         |         |         |         |
| D0769-1880     | 1.88    |         |         |         |         |
| D0769-1890     | 1.89    |         |         |         |         |
| D0769-1900     | 1.90    | 11.0    | 2.0     | 43      | 3.0     |
| D0769-1910     | 1.91    |         |         |         |         |
| D0769-1920     | 1.92    |         |         |         |         |
| D0769-1930     | 1.93    |         |         |         |         |
| D0769-1940     | 1.94    |         |         |         |         |
| D0769-1950     | 1.95    |         |         |         |         |
| D0769-1960     | 1.96    |         |         |         |         |
| D0769-1970     | 1.97    |         |         |         |         |
| D0769-1980     | 1.98    |         |         |         |         |
| D0769-1990     | 1.99    |         |         |         |         |

| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-2000     | 2.00    | 12.0    | 3.0     | 44      | 3.0     |
| D0769-2010     | 2.01    |         |         |         |         |
| D0769-2020     | 2.02    |         |         |         |         |
| D0769-2030     | 2.03    |         |         |         |         |
| D0769-2040     | 2.04    |         |         |         |         |
| D0769-2050     | 2.05    |         |         |         |         |
| D0769-2060     | 2.06    |         |         |         |         |
| D0769-2070     | 2.07    |         |         |         |         |
| D0769-2080     | 2.08    |         |         |         |         |
| D0769-2090     | 2.09    |         |         |         |         |
| D0769-2100     | 2.10    | 12.0    | 3.0     | 44      | 3.0     |
| D0769-2110     | 2.11    |         |         |         |         |
| D0769-2120     | 2.12    |         |         |         |         |
| D0769-2130     | 2.13    |         |         |         |         |
| D0769-2140     | 2.14    | 13.0    | 3.0     | 45      | 3.0     |
| D0769-2150     | 2.15    |         |         |         |         |
| D0769-2160     | 2.16    |         |         |         |         |
| D0769-2170     | 2.17    |         |         |         |         |
| D0769-2180     | 2.18    |         |         |         |         |
| D0769-2190     | 2.19    |         |         |         |         |
| D0769-2200     | 2.20    | 13.0    | 3.0     | 45      | 3.0     |
| D0769-2210     | 2.21    |         |         |         |         |
| D0769-2220     | 2.22    |         |         |         |         |
| D0769-2230     | 2.23    |         |         |         |         |
| D0769-2240     | 2.24    |         |         |         |         |
| D0769-2250     | 2.25    |         |         |         |         |
| D0769-2260     | 2.26    |         |         |         |         |
| D0769-2270     | 2.27    |         |         |         |         |
| D0769-2280     | 2.28    |         |         |         |         |
| D0769-2290     | 2.29    |         |         |         |         |
| D0769-2300     | 2.30    | 13.0    | 3.0     | 45      | 3.0     |
| D0769-2310     | 2.31    |         |         |         |         |
| D0769-2320     | 2.32    |         |         |         |         |
| D0769-2330     | 2.33    |         |         |         |         |
| D0769-2340     | 2.34    |         |         |         |         |
| D0769-2350     | 2.35    |         |         |         |         |
| D0769-2360     | 2.36    | 14.0    | 3.0     | 46      | 3.0     |
| D0769-2370     | 2.37    |         |         |         |         |
| D0769-2380     | 2.38    |         |         |         |         |
| D0769-2390     | 2.39    |         |         |         |         |
| D0769-2400     | 2.40    | 14.0    | 3.0     | 46      | 3.0     |
| D0769-2410     | 2.41    |         |         |         |         |
| D0769-2420     | 2.42    |         |         |         |         |
| D0769-2430     | 2.43    |         |         |         |         |
| D0769-2440     | 2.44    |         |         |         |         |
| D0769-2450     | 2.45    |         |         |         |         |
| D0769-2460     | 2.46    |         |         |         |         |
| D0769-2470     | 2.47    |         |         |         |         |
| D0769-2480     | 2.48    |         |         |         |         |
| D0769-2490     | 2.49    |         |         |         |         |

| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-2500     | 2.50    | 14.0    | 3.0     | 46      | 3.0     |
| D0769-2510     | 2.51    |         |         |         |         |
| D0769-2520     | 2.52    |         |         |         |         |
| D0769-2530     | 2.53    |         |         |         |         |
| D0769-2540     | 2.54    |         |         |         |         |
| D0769-2550     | 2.55    |         |         |         |         |
| D0769-2560     | 2.56    |         |         |         |         |
| D0769-2570     | 2.57    |         |         |         |         |
| D0769-2580     | 2.58    |         |         |         |         |
| D0769-2590     | 2.59    |         |         |         |         |
| D0769-2600     | 2.60    | 14.0    | 3.0     | 46      | 3.0     |
| D0769-2610     | 2.61    |         |         |         |         |
| D0769-2620     | 2.62    |         |         |         |         |
| D0769-2630     | 2.63    |         |         |         |         |
| D0769-2640     | 2.64    |         |         |         |         |
| D0769-2650     | 2.65    |         |         |         |         |
| D0769-2660     | 2.66    | 16.0    | 3.0     | 48      | 3.0     |
| D0769-2670     | 2.67    |         |         |         |         |
| D0769-2680     | 2.68    |         |         |         |         |
| D0769-2690     | 2.69    |         |         |         |         |
| D0769-2700     | 2.70    |         |         |         |         |
| D0769-2710     | 2.71    | 16.0    | 3.0     | 48      | 3.0     |
| D0769-2720     | 2.72    |         |         |         |         |
| D0769-2730     | 2.73    |         |         |         |         |
| D0769-2740     | 2.74    |         |         |         |         |
| D0769-2750     | 2.75    |         |         |         |         |
| D0769-2760     | 2.76    |         |         |         |         |
| D0769-2770     | 2.77    |         |         |         |         |
| D0769-2780     | 2.78    |         |         |         |         |
| D0769-2790     | 2.79    |         |         |         |         |
| D0769-2800     | 2.80    |         |         |         |         |
| D0769-2810     | 2.81    | 16.0    | 3.0     | 48      | 3.0     |
| D0769-2820     | 2.82    |         |         |         |         |
| D0769-2830     | 2.83    |         |         |         |         |
| D0769-2840     | 2.84    |         |         |         |         |
| D0769-2850     | 2.85    |         |         |         |         |
| D0769-2860     | 2.86    |         |         |         |         |
| D0769-2870     | 2.87    |         |         |         |         |
| D0769-2880     | 2.88    |         |         |         |         |
| D0769-2890     | 2.89    |         |         |         |         |
| D0769-2900     | 2.90    |         |         |         |         |
| D0769-2910     | 2.91    | 16.0    | 3.0     | 48      | 3.0     |
| D0769-2920     | 2.92    |         |         |         |         |
| D0769-2930     | 2.93    |         |         |         |         |
| D0769-2940     | 2.94    |         |         |         |         |
| D0769-2950     | 2.95    |         |         |         |         |
| D0769-2960     | 2.96    |         |         |         |         |
| D0769-2970     | 2.97    |         |         |         |         |
| D0769-2980     | 2.98    |         |         |         |         |
| D0769-2990     | 2.99    |         |         |         |         |

| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-3000     | 3.00    | 16.0    | 3.0     | 48      | 3.0     |
| D0769-3010     | 3.01    |         |         |         |         |
| D0769-3020     | 3.02    | 18.0    | 3.0     | 50      | 4.0     |
| D0769-3030     | 3.03    |         |         |         |         |
| D0769-3040     | 3.04    |         |         |         |         |
| D0769-3050     | 3.05    |         |         |         |         |
| D0769-3060     | 3.06    |         |         |         |         |
| D0769-3070     | 3.07    |         |         |         |         |
| D0769-3080     | 3.08    |         |         |         |         |
| D0769-3090     | 3.09    |         |         |         |         |
| D0769-3100     | 3.10    | 18.0    | 3.0     | 50      | 4.0     |
| D0769-3110     | 3.11    |         |         |         |         |
| D0769-3120     | 3.12    |         |         |         |         |
| D0769-3130     | 3.13    |         |         |         |         |
| D0769-3140     | 3.14    |         |         |         |         |
| D0769-3150     | 3.15    |         |         |         |         |
| D0769-3160     | 3.16    |         |         |         |         |
| D0769-3170     | 3.17    |         |         |         |         |
| D0769-3180     | 3.18    |         |         |         |         |
| D0769-3190     | 3.19    |         |         |         |         |
| D0769-3200     | 3.20    | 18.0    | 3.0     | 50      | 4.0     |
| D0769-3210     | 3.21    |         |         |         |         |
| D0769-3220     | 3.22    |         |         |         |         |
| D0769-3230     | 3.23    |         |         |         |         |
| D0769-3240     | 3.24    |         |         |         |         |
| D0769-3250     | 3.25    |         |         |         |         |
| D0769-3260     | 3.26    |         |         |         |         |
| D0769-3270     | 3.27    |         |         |         |         |
| D0769-3280     | 3.28    |         |         |         |         |
| D0769-3290     | 3.29    |         |         |         |         |
| D0769-3300     | 3.30    | 18.0    | 3.0     | 50      | 4.0     |
| D0769-3310     | 3.31    |         |         |         |         |
| D0769-3320     | 3.32    |         |         |         |         |
| D0769-3330     | 3.33    |         |         |         |         |
| D0769-3340     | 3.34    |         |         |         |         |
| D0769-3350     | 3.35    |         |         |         |         |
| D0769-3360     | 3.36    |         |         |         |         |
| D0769-3370     | 3.37    |         |         |         |         |
| D0769-3380     | 3.38    |         |         |         |         |
| D0769-3390     | 3.39    | 20.0    | 3.0     | 52      | 4.0     |
| D0769-3400     | 3.40    |         |         |         |         |
| D0769-3410     | 3.41    | 20.0    | 3.0     | 52      | 4.0     |
| D0769-3420     | 3.42    |         |         |         |         |
| D0769-3430     | 3.43    |         |         |         |         |
| D0769-3440     | 3.44    |         |         |         |         |
| D0769-3450     | 3.45    |         |         |         |         |
| D0769-3460     | 3.46    |         |         |         |         |
| D0769-3470     | 3.47    |         |         |         |         |
| D0769-3480     | 3.48    |         |         |         |         |
| D0769-3490     | 3.49    |         |         |         |         |

高性能粉末高速钢钻头

High performance PM-HSS Drills



0769系列Series

高性能粉末高速钢钻头

High performance PM-HSS Drills

●本产品使用范围广，适合不同被加工材料及工况的钻孔加工。

This product has a wide range of use, suitable for drilling of different materials and working conditions.

热缩柄  
禁止

PM

复合  
涂层

h7

118°

135°

31°  
~32°

h7

0.5 12.0

热缩柄  
禁止使用  
Shrink fit  
handle  
prohibited

工具材料  
Tool  
material

涂层  
Composite  
coating

直径公差  
Diameter  
tolerance

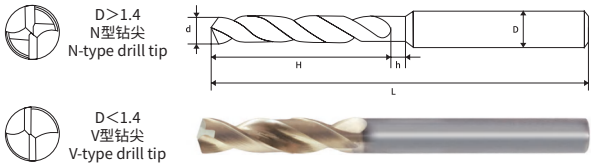
直径dia.  
≤1.9

直径dia.  
>1.9

螺旋角  
Helix angle

柄直径公差  
Handle  
diameter  
tolerance

直径范围  
Diameter range



高性能粉末高速钢钻头

High performance PM-HSS Drills



0769系列Series

高性能粉末高速钢钻头

High performance PM-HSS Drills

●本产品使用范围广，适合不同被加工材料及工况的钻孔加工。

This product has a wide range of use, suitable for drilling of different materials and working conditions.

热缩柄  
禁止

PM

复合  
涂层

h7

118°

135°

31°  
~32°

h7

0.5 12.0

热缩柄  
禁止使用  
Shrink fit  
handle  
prohibited

工具材料  
Tool  
material

涂层  
Composite  
coating

直径公差  
Diameter  
tolerance

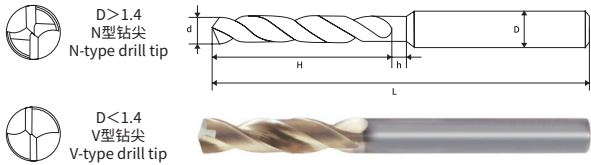
直径dia.  
≤1.9

直径dia.  
>1.9

螺旋角  
Helix angle

柄直径公差  
Handle  
diameter  
tolerance

直径范围  
Diameter range



| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-3500     | 3.50    | 20.0    | 3.0     | 52      | 4.0     |
| D0769-3510     | 3.51    |         |         |         |         |
| D0769-3520     | 3.52    |         |         |         |         |
| D0769-3530     | 3.53    |         |         |         |         |
| D0769-3540     | 3.54    |         |         |         |         |
| D0769-3550     | 3.55    |         |         |         |         |
| D0769-3560     | 3.56    |         |         |         |         |
| D0769-3570     | 3.57    |         |         |         |         |
| D0769-3580     | 3.58    |         |         |         |         |
| D0769-3590     | 3.59    |         |         |         |         |
| D0769-3600     | 3.60    | 20.0    | 3.0     | 52      | 4.0     |
| D0769-3610     | 3.61    |         |         |         |         |
| D0769-3620     | 3.62    |         |         |         |         |
| D0769-3630     | 3.63    |         |         |         |         |
| D0769-3640     | 3.64    |         |         |         |         |
| D0769-3650     | 3.65    |         |         |         |         |
| D0769-3660     | 3.66    |         |         |         |         |
| D0769-3670     | 3.67    |         |         |         |         |
| D0769-3680     | 3.68    |         |         |         |         |
| D0769-3690     | 3.69    |         |         |         |         |
| D0769-3700     | 3.70    | 20.0    | 3.0     | 52      | 4.0     |
| D0769-3710     | 3.71    |         |         |         |         |
| D0769-3720     | 3.72    |         |         |         |         |
| D0769-3730     | 3.73    |         |         |         |         |
| D0769-3740     | 3.74    |         |         |         |         |
| D0769-3750     | 3.75    |         |         |         |         |
| D0769-3760     | 3.76    |         |         |         |         |
| D0769-3770     | 3.77    |         |         |         |         |
| D0769-3780     | 3.78    |         |         |         |         |
| D0769-3790     | 3.79    |         |         |         |         |
| D0769-3800     | 3.80    | 22.0    | 3.0     | 54      | 4.0     |
| D0769-3810     | 3.81    |         |         |         |         |
| D0769-3820     | 3.82    |         |         |         |         |
| D0769-3830     | 3.83    |         |         |         |         |
| D0769-3840     | 3.84    |         |         |         |         |
| D0769-3850     | 3.85    |         |         |         |         |
| D0769-3860     | 3.86    |         |         |         |         |
| D0769-3870     | 3.87    |         |         |         |         |
| D0769-3880     | 3.88    |         |         |         |         |
| D0769-3890     | 3.89    |         |         |         |         |
| D0769-3900     | 3.90    | 22.0    | 3.0     | 54      | 4.0     |
| D0769-3910     | 3.91    |         |         |         |         |
| D0769-3920     | 3.92    |         |         |         |         |
| D0769-3930     | 3.93    |         |         |         |         |
| D0769-3940     | 3.94    |         |         |         |         |
| D0769-3950     | 3.95    |         |         |         |         |
| D0769-3960     | 3.96    |         |         |         |         |
| D0769-3970     | 3.97    |         |         |         |         |
| D0769-3980     | 3.98    |         |         |         |         |
| D0769-3990     | 3.99    |         |         |         |         |

| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-4000     | 4.00    | 22.0    | 5.0     | 54      | 4.0     |
| D0769-4010     | 4.01    | 22.0    | 5.0     | 66      | 6.0     |
| D0769-4020     | 4.02    |         |         |         |         |
| D0769-4030     | 4.03    |         |         |         |         |
| D0769-4040     | 4.04    |         |         |         |         |
| D0769-4050     | 4.05    |         |         |         |         |
| D0769-4060     | 4.06    |         |         |         |         |
| D0769-4070     | 4.07    |         |         |         |         |
| D0769-4080     | 4.08    |         |         |         |         |
| D0769-4090     | 4.09    |         |         |         |         |
| D0769-4100     | 4.10    | 22.0    | 5.0     | 66      | 6.0     |
| D0769-4110     | 4.11    |         |         |         |         |
| D0769-4120     | 4.12    |         |         |         |         |
| D0769-4130     | 4.13    |         |         |         |         |
| D0769-4140     | 4.14    |         |         |         |         |
| D0769-4150     | 4.15    |         |         |         |         |
| D0769-4160     | 4.16    |         |         |         |         |
| D0769-4170     | 4.17    |         |         |         |         |
| D0769-4180     | 4.18    |         |         |         |         |
| D0769-4190     | 4.19    |         |         |         |         |
| D0769-4200     | 4.20    | 22.0    | 5.0     | 66      | 6.0     |
| D0769-4210     | 4.21    |         |         |         |         |
| D0769-4220     | 4.22    |         |         |         |         |
| D0769-4230     | 4.23    |         |         |         |         |
| D0769-4240     | 4.24    |         |         |         |         |
| D0769-4250     | 4.25    |         |         |         |         |
| D0769-4260     | 4.26    |         |         |         |         |
| D0769-4270     | 4.27    |         |         |         |         |
| D0769-4280     | 4.28    |         |         |         |         |
| D0769-4290     | 4.29    |         |         |         |         |
| D0769-4300     | 4.30    | 24.0    | 5.0     | 68      | 6.0     |
| D0769-4310     | 4.31    |         |         |         |         |
| D0769-4320     | 4.32    |         |         |         |         |
| D0769-4330     | 4.33    |         |         |         |         |
| D0769-4340     | 4.34    |         |         |         |         |
| D0769-4350     | 4.35    |         |         |         |         |
| D0769-4360     | 4.36    |         |         |         |         |
| D0769-4370     | 4.37    |         |         |         |         |
| D0769-4380     | 4.38    |         |         |         |         |
| D0769-4390     | 4.39    |         |         |         |         |
| D0769-4400     | 4.40    | 24.0    | 5.0     | 68      | 6.0     |
| D0769-4410     | 4.41    |         |         |         |         |
| D0769-4420     | 4.42    |         |         |         |         |
| D0769-4430     | 4.43    |         |         |         |         |
| D0769-4440     | 4.44    |         |         |         |         |
| D0769-4450     | 4.45    |         |         |         |         |
| D0769-4460     | 4.46    |         |         |         |         |
| D0769-4470     | 4.47    |         |         |         |         |
| D0769-4480     | 4.48    |         |         |         |         |
| D0769-4490     | 4.49    |         |         |         |         |

| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-4500     | 4.50    | 24.0    | 5.0     | 68      | 6.0     |
| D0769-4510     | 4.51    |         |         |         |         |
| D0769-4520     | 4.52    |         |         |         |         |
| D0769-4530     | 4.53    |         |         |         |         |
| D0769-4540     | 4.54    |         |         |         |         |
| D0769-4550     | 4.55    |         |         |         |         |
| D0769-4560     | 4.56    |         |         |         |         |
| D0769-4570     | 4.57    |         |         |         |         |
| D0769-4580     | 4.58    |         |         |         |         |
| D0769-4590     | 4.59    |         |         |         |         |
| D0769-4600     | 4.60    | 24.0    | 5.0     | 68      | 6.0     |
| D0769-4610     | 4.61    |         |         |         |         |
| D0769-4620     | 4.62    |         |         |         |         |
| D0769-4630     | 4.63    |         |         |         |         |
| D0769-4640     | 4.64    |         |         |         |         |
| D0769-4650     | 4.65    |         |         |         |         |
| D0769-4660     | 4.66    |         |         |         |         |
| D0769-4670     | 4.67    |         |         |         |         |
| D0769-4680     | 4.68    |         |         |         |         |
| D0769-4690     | 4.69    |         |         |         |         |
| D0769-4700     | 4.70    | 24.0    | 5.0     | 68      | 6.0     |
| D0769-4710     | 4.71    |         |         |         |         |
| D0769-4720     | 4.72    |         |         |         |         |
| D0769-4730     | 4.73    |         |         |         |         |
| D0769-4740     | 4.74    |         |         |         |         |
| D0769-4750     | 4.75    |         |         |         |         |
| D0769-4760     | 4.76    |         |         |         |         |
| D0769-4770     | 4.77    |         |         |         |         |
| D0769-4780     | 4.78    |         |         |         |         |
| D0769-4790     | 4.79    |         |         |         |         |
| D0769-4800     | 4.80    | 26.0    | 5.0     | 70      | 6.0     |
| D0769-4810     | 4.81    |         |         |         |         |
| D0769-4820     | 4.82    |         |         |         |         |
| D0769-4830     | 4.83    |         |         |         |         |
| D0769-4840     | 4.84    |         |         |         |         |
| D0769-4850     | 4.85    |         |         |         |         |
| D0769-4860     | 4.86    |         |         |         |         |
| D0769-4870     | 4.87    |         |         |         |         |
| D0769-4880     | 4.88    |         |         |         |         |
| D0769-4890     | 4.89    |         |         |         |         |
| D0769-4900     | 4.90    | 26.0    | 5.0     | 70      | 6.0     |
| D0769-4910     | 4.91    |         |         |         |         |
| D0769-4920     | 4.92    |         |         |         |         |
| D0769-4930     | 4.93    |         |         |         |         |
| D0769-4940     | 4.94    |         |         |         |         |
| D0769-4950     | 4.95    |         |         |         |         |
| D0769-4960     | 4.96    |         |         |         |         |
| D0769-4970     | 4.97    |         |         |         |         |
| D0769-4980     | 4.98    |         |         |         |         |
| D0769-4990     | 4.99    |         |         |         |         |

| 单位Unit:(mm)    |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|
| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
| D0769-5000     | 5.00    | 26.0    | 5.0     | 70      | 6.0     |
| D0769-5010     | 5.01    |         |         |         |         |
| D0769-5020     | 5.02    |         |         |         |         |
| D0769-5030     | 5.03    |         |         |         |         |
| D0769-5040     | 5.04    |         |         |         |         |
| D0769-5050     | 5.05    |         |         |         |         |
| D0769-5060     | 5.06    |         |         |         |         |
| D0769-5070     | 5.07    |         |         |         |         |
| D0769-5080     | 5.08    |         |         |         |         |
| D0769-5090     | 5.09    |         |         |         |         |
| D0769-5100     | 5.10    | 26.0    | 5.0     | 70      | 6.0     |
| D0769-5110     | 5.11    |         |         |         |         |
| D0769-5120     | 5.12    |         |         |         |         |
| D0769-5130     | 5.13    |         |         |         |         |
| D0769-5140     | 5.14    |         |         |         |         |
| D0769-5150     | 5.15    |         |         |         |         |
| D0769-5160     | 5.16    |         |         |         |         |
| D0769-5170     | 5.17    |         |         |         |         |
| D0769-5180     | 5.18    |         |         |         |         |
| D0769-5190     | 5.19    |         |         |         |         |
| D0769-5200     | 5.20    | 26.0    | 5.0     | 70      | 6.0     |
| D0769-5210     | 5.21    |         |         |         |         |
| D0769-5220     | 5.22    |         |         |         |         |
| D0769-5230     | 5.23    |         |         |         |         |
| D0769-5240     | 5.24    |         |         |         |         |
| D0769-5250     | 5.25    |         |         |         |         |
| D0769-5260     | 5.26    |         |         |         |         |
| D0769-5270     | 5.27    |         |         |         |         |
| D0769-5280     | 5.28    |         |         |         |         |
| D0769-5290     | 5.29    |         |         |         |         |
| D0769-5300     | 5.30    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-5310     | 5.31    |         |         |         |         |
| D0769-5320     | 5.32    |         |         |         |         |
| D0769-5330     | 5.33    |         |         |         |         |
| D0769-5340     | 5.34    |         |         |         |         |
| D0769-5350     | 5.35    |         |         |         |         |
| D0769-5360     | 5.36    |         |         |         |         |
| D0769-5370     | 5.37    |         |         |         |         |
| D0769-5380     | 5.38    |         |         |         |         |
| D0769-5390     | 5.39    |         |         |         |         |
| D0769-5400     | 5.40    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-5410     | 5.41    |         |         |         |         |
| D0769-5420     | 5.42    |         |         |         |         |
| D0769-5430     | 5.43    |         |         |         |         |
| D0769-5440     | 5.44    |         |         |         |         |
| D0769-5450     | 5.45    |         |         |         |         |
| D0769-5460     | 5.46    |         |         |         |         |
| D0769-5470     | 5.47    |         |         |         |         |
| D0769-5480     | 5.48    |         |         |         |         |
| D0769-5490     | 5.49    |         |         |         |         |

高性能粉末高速钢钻头

High performance PM-HSS Drills



0769系列Series

高性能粉末高速钢钻头  
High performance PM-HSS Drills

●本产品使用范围广，适合不同被加工材料及工况的钻孔加工。  
This product has a wide range of use, suitable for drilling of different materials and working conditions.

热缩柄  
禁止

热缩柄  
禁止使用  
Shrink fit  
handle  
prohibited

PM

工具材料  
Tool  
material

复合  
涂层

涂层  
Composite  
coating

h7

直径公差  
Diameter  
tolerance

118°

直径dia.  
≤1.9

135°

直径dia.  
>1.9

31°  
~32°

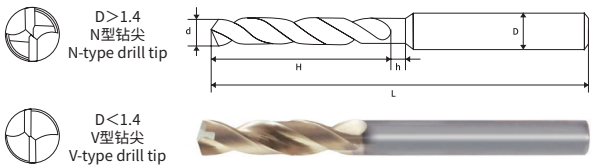
螺旋角  
Helix angle

h7

柄直径公差  
Handle  
diameter  
tolerance

0.5 12.0

直径范围  
Diameter range



单位Unit:(mm)

| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
|----------------|---------|---------|---------|---------|---------|
| D0769-5500     | 5.50    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-5510     | 5.51    |         |         |         |         |
| D0769-5520     | 5.52    |         |         |         |         |
| D0769-5530     | 5.53    |         |         |         |         |
| D0769-5540     | 5.54    |         |         |         |         |
| D0769-5550     | 5.55    |         |         |         |         |
| D0769-5560     | 5.56    |         |         |         |         |
| D0769-5570     | 5.57    |         |         |         |         |
| D0769-5580     | 5.58    |         |         |         |         |
| D0769-5590     | 5.59    |         |         |         |         |
| D0769-5600     | 5.60    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-5610     | 5.61    |         |         |         |         |
| D0769-5620     | 5.62    |         |         |         |         |
| D0769-5630     | 5.63    |         |         |         |         |
| D0769-5640     | 5.64    |         |         |         |         |
| D0769-5650     | 5.65    |         |         |         |         |
| D0769-5660     | 5.66    |         |         |         |         |
| D0769-5670     | 5.67    |         |         |         |         |
| D0769-5680     | 5.68    |         |         |         |         |
| D0769-5690     | 5.69    |         |         |         |         |
| D0769-5700     | 5.70    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-5710     | 5.71    |         |         |         |         |
| D0769-5720     | 5.72    |         |         |         |         |
| D0769-5730     | 5.73    |         |         |         |         |
| D0769-5740     | 5.74    |         |         |         |         |
| D0769-5750     | 5.75    |         |         |         |         |
| D0769-5760     | 5.76    |         |         |         |         |
| D0769-5770     | 5.77    |         |         |         |         |
| D0769-5780     | 5.78    |         |         |         |         |
| D0769-5790     | 5.79    |         |         |         |         |
| D0769-5800     | 5.80    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-5810     | 5.81    |         |         |         |         |
| D0769-5820     | 5.82    |         |         |         |         |
| D0769-5830     | 5.83    |         |         |         |         |
| D0769-5840     | 5.84    |         |         |         |         |
| D0769-5850     | 5.85    |         |         |         |         |
| D0769-5860     | 5.86    |         |         |         |         |
| D0769-5870     | 5.87    |         |         |         |         |
| D0769-5880     | 5.88    |         |         |         |         |
| D0769-5890     | 5.89    |         |         |         |         |
| D0769-5900     | 5.90    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-5910     | 5.91    |         |         |         |         |
| D0769-5920     | 5.92    |         |         |         |         |
| D0769-5930     | 5.93    |         |         |         |         |
| D0769-5940     | 5.94    |         |         |         |         |
| D0769-5950     | 5.95    |         |         |         |         |
| D0769-5960     | 5.96    |         |         |         |         |
| D0769-5970     | 5.97    |         |         |         |         |
| D0769-5980     | 5.98    |         |         |         |         |
| D0769-5990     | 5.99    |         |         |         |         |

单位Unit:(mm)

| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
|----------------|---------|---------|---------|---------|---------|
| D0769-6000     | 6.00    | 28.0    | 5.0     | 72      | 6.0     |
| D0769-6100     | 6.10    | 31.0    | 5.0     | 75      | 8.0     |
| D0769-6200     | 6.20    |         |         |         |         |
| D0769-6300     | 6.30    |         |         |         |         |
| D0769-6400     | 6.40    |         |         |         |         |
| D0769-6500     | 6.50    |         |         |         |         |
| D0769-6600     | 6.60    |         |         |         |         |
| D0769-6700     | 6.70    |         |         |         |         |
| D0769-6800     | 6.80    |         |         |         |         |
| D0769-6900     | 6.90    |         |         |         |         |
| D0769-7000     | 7.00    | 34.0    | 5.0     | 78      | 8.0     |
| D0769-7100     | 7.10    |         |         |         |         |
| D0769-7200     | 7.20    |         |         |         |         |
| D0769-7300     | 7.30    |         |         |         |         |
| D0769-7400     | 7.40    |         |         |         |         |
| D0769-7500     | 7.50    |         |         |         |         |
| D0769-7600     | 7.60    |         |         |         |         |
| D0769-7700     | 7.70    |         |         |         |         |
| D0769-7800     | 7.80    |         |         |         |         |
| D0769-7900     | 7.90    |         |         |         |         |
| D0769-8000     | 8.00    | 37.0    | 5.0     | 81      | 8.0     |
| D0769-8100     | 8.10    | 37.0    | 5.0     | 87      | 10.0    |
| D0769-8200     | 8.20    |         |         |         |         |
| D0769-8300     | 8.30    |         |         |         |         |
| D0769-8400     | 8.40    |         |         |         |         |
| D0769-8500     | 8.50    |         |         |         |         |
| D0769-8600     | 8.60    |         |         |         |         |
| D0769 8700     | 8.70    |         |         |         |         |
| D0769-8800     | 8.80    |         |         |         |         |
| D0769-8900     | 8.90    |         |         |         |         |
| D0769-9000     | 9.00    | 40.0    | 5.0     | 90      | 10.0    |
| D0769-9100     | 9.10    |         |         |         |         |
| D0769-9200     | 9.20    |         |         |         |         |
| D0769-9300     | 9.30    |         |         |         |         |
| D0769-9400     | 9.40    |         |         |         |         |
| D0769-9500     | 9.50    |         |         |         |         |
| D0769-9600     | 9.60    |         |         |         |         |
| D0769-9700     | 9.70    |         |         |         |         |
| D0769-9800     | 9.80    |         |         |         |         |
| D0769-9900     | 9.90    |         |         |         |         |
| D0769-10000    | 10.00   | 43.0    | 5.0     | 93      | 10.0    |
| D0769-10000    | 10.10   |         |         |         |         |
| D0769-10200    | 10.20   |         |         |         |         |
| D0769-10300    | 10.30   |         |         |         |         |
| D0769-10400    | 10.40   |         |         |         |         |
| D0769-10500    | 10.50   |         |         |         |         |
| D0769-10600    | 10.60   |         |         |         |         |
| D0769-10700    | 10.70   |         |         |         |         |
| D0769-10800    | 10.80   |         |         |         |         |
| D0769-10900    | 10.90   |         |         |         |         |

高性能粉末高速钢钻头

High performance PM-HSS Drills



0769系列Series

高性能粉末高速钢钻头  
High performance PM-HSS Drills

●本产品使用范围广，适合不同被加工材料及工况的钻孔加工。  
This product has a wide range of use, suitable for drilling of different materials and working conditions.

热缩柄  
禁止

热缩柄  
禁止使用  
Shrink fit  
handle  
prohibited

PM

工具材料  
Tool  
material

复合  
涂层

涂层  
Composite  
coating

h7

直径公差  
Diameter  
tolerance

118°

直径dia.  
≤1.9

135°

直径dia.  
>1.9

31°  
~32°

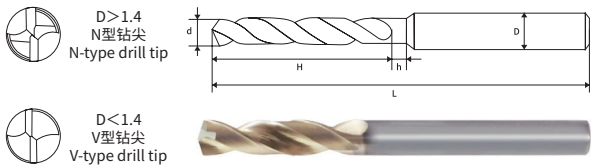
螺旋角  
Helix angle

h7

柄直径公差  
Handle  
diameter  
tolerance

0.5 12.0

直径范围  
Diameter range



单位Unit:(mm)

| 商品号<br>EDP NO. | 直径<br>d | 刃长<br>H | 避空<br>h | 全长<br>L | 柄径<br>D |
|----------------|---------|---------|---------|---------|---------|
| D0769-11000    | 11.00   | 47.0    | 5.0     | 104     | 12.0    |
| D0769-11100    | 11.10   |         |         |         |         |
| D0769-11200    | 11.20   |         |         |         |         |
| D0769-11300    | 11.30   |         |         |         |         |
| D0769-11400    | 11.40   |         |         |         |         |
| D0769-11500    | 11.50   |         |         |         |         |
| D0769-11600    | 11.60   |         |         |         |         |
| D0769-11700    | 11.70   |         |         |         |         |
| D0769-11800    | 11.80   |         |         |         |         |
| D0769-11900    | 11.90   |         |         |         |         |
| D0769-12000    | 12.00   |         |         |         |         |