

MingHong



鸣鸿精密

综合样本册

MINGHONG PRECISION
CATALOGUE



浙江鸣鸿精密技术有限公司
Zhejiang MingHong Precision Co. Ltd



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ABOUT US



浙江鸣鸿精密技术有限公司
Zhejiang MingHong Precision Co. Ltd

Zhejiang Minghong Precision Technology Co., Ltd. is a high-tech enterprise integrating independent research and development and production of high-precision cutting tools, headquartered in Linping District, Hangzhou City, Zhejiang Province, China.

The company is committed to the advancement and development of industry technology, and has more than 10 years of experience in the production of high-precision cutting tools. In 2022, the company officially launched the factory direct sales business to provide global customers with overall solutions for precision cutting tools.

The company's products are widely used in 3C consumer electronics, molds, graphite, automobiles, medical equipment and other processing and manufacturing fields. Customers are located in China, South Korea, Japan, Russia and other countries and regions, and strive to build a dedicated, professional and dedicated modern enterprise.

All the staff of the company adhere to the tenet of strict requirements and innovation, pay attention to every commitment, focus on every detail, keep improving, produce excellent products, and win unanimous praise from many customers.



关于我们

浙江鸣鸿精密技术有限公司是一家集自主研发和生产高精密切削工具为一体的高新技术企业，总部位于中国浙江省杭州市滨江区。

公司致力于行业技术的进步与发展，拥有近 10 年的高精密切削工具生产经验。2022 年，公司正式开展厂家直销业务，为全球客户提供精密切削刀具整体解决方案。

公司产品广泛应用于 3C 消费电子、模具、石墨、汽车、医疗器械等加工制造领域，客户遍布中国、韩国、日本、俄罗斯等国家和地区，全力打造专注、专业、专一的现代化企业。

公司全体人员秉承严格要求，勇于创新的宗旨，注重每一个承诺，专注每一个细节，精益求精，生产优良产品，赢得众多客户的一致好评。

10+

生产加工经验 10 余年

Over a Decade of Manufacturing Experience

40%

40% 以上采用厂家直供方式

40%+ Factory Direct Supply

4500+

厂区面积超过 4500 平方米

4500+ m² Total Factory Floor Area



ISO9001 Certification

钻头系列

DRILL SERIES

18 DIN338 高速钢直柄钻头

DIN338 HSS Straight Shank Drill

- DH101 无涂层 Uncoated
- DH102 烤黄工艺 Baking process
- DH103 渗氮工艺 Nitriding process



21 DIN338 高速钢涂层直柄钻头

DIN338 Coated HSS Straight Shank Drill

- DH104 镀钛涂层 TIN
- DH105 铝钛涂层 TiAlN



24 DIN338 含钴高速钢直柄钻头

DIN338 Cobalt HSS Straight Shank Drill

- DE101 无涂层 Uncoated
- DE102 烤黄工艺 Baking process



27 DIN338 含钴高速钢涂层直柄钻头

DIN338 Coated Cobalt HSS Straight Shank Drill

- DE104 镀钛涂层 TIN
- DE105 铝钛涂层 TiAlN



30 DIN338 含钴高速钢涂层直柄钻头

DIN338 Coated Cobalt HSS Straight Shank Drill

- DF101 无涂层 Uncoated
- DF104 镀钛涂层 TIN
- DF105 铝钛涂层 TiAlN



33 DIN338 粉末高速钢涂层直柄钻头

DIN338 Coated Powder HSS Straight Shank Drill

- DP101 无涂层 Uncoated
- DP106 铝钛涂层 TiAlN



36 DIN338 高速钢直柄钻头 左旋

DIN338 HSS Straight Shank Drill (Left Hand)

- DH101-L 无涂层 Uncoated
- DH104-L 烤黄工艺 Baking process



39 DIN340 高速钢直柄钻头

DIN340 HSS Straight Shank Drill

- DH111 无涂层 Uncoated
- DH112 烤黄工艺 Baking process
- DH113 渗氮工艺 Nitriding process



42 DIN340 高速钢涂层直柄钻头

DIN340 Coated HSS Straight Shank Drill

- DH114 镀钛涂层 TIN
- DH115 铝钛涂层 TiAlN



45 DIN340 含钴高速钢直柄钻头

DIN340 Cobalt HSS Straight Shank Drill

- DE111 无涂层 Uncoated
- DE112 烤黄工艺 Baking process



48 DIN340 含钴高速钢涂层直柄钻头

DIN340 Coated Cobalt HSS Straight Shank Drill

- DE114 镀钛涂层 TIN
- DE115 铝钛涂层 TiAlN



51 DIN340 含钴高速钢涂层直柄钻头

DIN340 Coated Cobalt HSS Straight Shank Drill

- DF111 无涂层 Uncoated
- DF114 镀钛涂层 TIN
- DF115 铝钛涂层 TiAlN



54 DIN340 粉末高速钢涂层直柄钻头 DIN340 Coated Powder HSS Straight Shank Drill

- DP111 无涂层 Uncoated
- DP116 铝钛涂层 TiAlN



57 DIN345 高速钢锥柄钻头 DIN345 HSS Taper Shank Drill

- DH201 无涂层 Uncoated
- DH203 铣制渗氮工艺 Milled Nitriding process



60 DIN345 含钴高速钢锥柄钻头 DIN345 Cobalt HSS Taper Shank Drill

- DE201 无涂层 Uncoated
- DE203 铣制渗氮工艺 Milled Nitriding process



63 DIN345 高速钢锥柄钻头 DIN345 HSS Taper Shank Drill

- DH207 无涂层 Uncoated
- DH208 镀钛涂层 TiN



65 DIN345 含钴高速钢锥柄钻头 DIN345 Cobalt HSS Taper Shank Drill

- DE207 无涂层 Uncoated
- DE208 镀钛涂层 TiN



67 DIN341 高速钢锥柄钻头 DIN341 HSS Taper Shank Drill

- DH211 无涂层 Uncoated
- DH213 铣制渗氮工艺 Milled Nitriding process



69 DIN341 含钴高速钢锥柄钻头

DIN341 Cobalt HSS Taper Shank Drill

- DE211 无涂层 Uncoated
- DE213 铣制渗氮工艺 Milled Nitriding process



71 DIN341 含钴高速钢锥柄钻头

DIN341 Cobalt HSS Taper Shank Drill

- DH217 无涂层 Uncoated
- DH218 铣制渗氮工艺 Milled Nitriding process



73 DIN341 含钴高速钢锥柄钻头

DIN341 Cobalt HSS Taper Shank Drill

- DE217 无涂层 Uncoated
- DE218 铣制渗氮工艺 Milled Nitriding process



75 DIN338 高速钢小柄钻头

DIN338 HSS Reduced Shank Drill

- DH301 无涂层 Uncoated
- DE301 无涂层 Uncoated



77 DIN1869-1 高速钢深孔钻头

DIN1869-1 HSS Deep Hole Drill

- DH411 无涂层 Uncoated
- DE411 无涂层 Uncoated
- DH414 镀钛涂层 TIN
- DE414 镀钛涂层 TIN



78 DIN1869-2 高速钢深孔钻头

DIN1869-2 HSS Deep Hole Drill

- DH421 无涂层 Uncoated
- DE421 无涂层 Uncoated
- DH424 镀钛涂层 TIN
- DE424 镀钛涂层 TIN



79 DIN1869-3 高速钢深孔钻头

DIN1869-3 HSS Deep Hole Drill

- DH431 无涂层 Uncoated
- DE431 无涂层 Uncoated
- DH434 镀钛涂层 TIN
- DE434 镀钛涂层 TIN



80 高性能航空快速钻

High Performance Aviation Quick Drill

- DF501 镀钛涂层 TIN
- DE501 镀钛涂层 TIN
- DF505 黑色镀钛涂层 TiCN
- DE505 黑色镀钛涂层 TiCN



83 高性能加长航空快速钻

High Performance Extended Length Aviation Quick Drill

- DF511 镀钛涂层 TIN
- DE511 镀钛涂层 TIN
- DH515 黑色镀钛涂层 TiCN
- DE515 黑色镀钛涂层 TiCN



86 硬质合金标准钻头 (3D)

Carbide Standard Drill (3D)

- DC131 古铜涂层 TiSiN
- DC132 铝钛涂层 TiAlN



89 硬质合金标准钻头 (5D)

Carbide Standard Drill (5D)

- DC151 古铜涂层 TiSiN
- DC152 铝钛涂层 TiAlN



92 硬质合金标准内冷钻头 (3D)

Carbide Standard Internal Coolant Drill (3D)

- DC231 古铜涂层 TiSiN
- DC232 铝钛涂层 TiAlN



95 硬质合金标准内冷钻头 (5D)

Carbide Standard Internal Coolant Drill (5D)

- DC251 古铜涂层 TiSiN
- DC252 铝钛涂层 TiAlN



98 硬质合金标准内冷钻头 (7D)

Carbide Standard Internal Coolant Drill (7D)

- DC271 古铜涂层 TiSiN
- DC272 铝钛涂层 TiAlN



101 硬质合金微径钻头

Carbide Micro-Diameter Drill

- DC311 古铜涂层 TiSiN
- DC312 铝钛涂层 TiAlN



106 硬质合金微径钻头

Carbide Micro-Diameter Drill

- DC321 古铜涂层 TiSiN
- DC322 铝钛涂层 TiAlN



铣刀系列 MILLING SERIES

111 HRC45 硬质合金 2 刃标准铣刀

HRC45 Carbide 2-Flute Standard End Milling Cutter

- MC121 铝钛涂层 TiAlN



113 HRC45 硬质合金 4 刃标准铣刀

HRC45 Carbide 4-Flute Standard End Milling Cutter

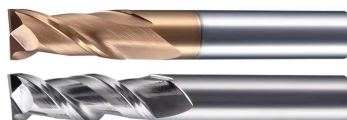
- MC141 铝钛涂层 TiAlN



115 HRC55 硬质合金 2 刃标准铣刀

HRC55 Carbide 2-Flute Standard End Milling Cutter

- MC222 古铜涂层 TiSiN
- MC220 无涂层 Uncoated



117 HRC55 硬质合金 4 刃标准铣刀

HRC55 Carbide 4-Flute Standard End Milling Cutter

- MC242 古铜涂层 TiSiN



119 HRC55 硬质合金 3 刃标准铝用铣刀

HRC55 Carbide 3-Flute Standard Aluminum End Milling Cutter

- MC230 无涂层 Uncoated



121 HRC55 硬质合金 2 刃标准球头铣刀

HRC55 Carbide 2-Flute Standard Ball Nose End Milling Cutter

- MC252 古铜涂层 TiSiN
- MC250 无涂层 Uncoated



123 HRC55 硬质合金 4 刃标准球头铣刀

HRC55 Carbide 4-Flute Standard Ball Nose End Milling Cutter

- MC262 古铜涂层 TiSiN



125 HRC55 硬质合金 4 刃标准圆角铣刀

HRC55 Carbide 4-Flute Standard Corner Radius End Milling Cutter

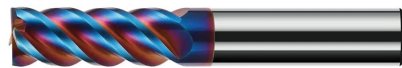
• MC272 古铜涂层 TiSiN



128 HRC65 硬质合金 4 刃标准铣刀

HRC65 Carbide 4-Flute Standard End Milling Cutter

• MC343 纳米蓝涂层 Nano blue



130 HRC65 硬质合金 2 刃标准球头铣刀

HRC65 Carbide 2-Flute Standard Ball Nose End Milling Cutter

• MC323 纳米蓝涂层 Nano blue



132 HRC65 硬质合金 4 刃标准圆角铣刀

HRC65 Carbide 4-Flute Standard Corner Radius End Milling Cutter

• MC373 纳米蓝涂层 Nano blue



135 硬质合金 4 刃不锈钢专用铣刀 SUS 系列

Carbide 4-Flute Special End Milling Cutter for Stainless Steel (SUS Series)

• MC441 复合涂层 Composite coating



137 硬质合金 4 刃淬火钢专用铣刀 GES 系列

Carbide 4-Flute Special End Milling Cutter for Hardened Steel (GES Series)

• MC442 复合涂层 Composite coating



139 硬质合金 4 刃钛合金专用铣刀 TUS 系列

Carbide 4-Flute Special End Milling Cutter for Titanium Alloy (TUS Series)

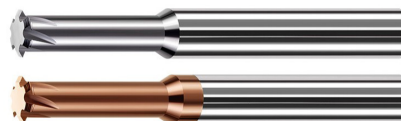
- MC443 复合涂层 Composite coating



141 硬质合金单牙螺纹铣刀

Carbide Single-Tooth Thread Milling Cutter

- MC510 无涂层 Uncoated
- MC511 古铜涂层 TiSiN



142 硬质合金三牙螺纹铣刀

Carbide Three-Tooth Thread Milling Cutter

- MC530 无涂层 Uncoated
- MC531 古铜涂层 TiSiN



143 硬质合金全牙螺纹铣刀

Carbide Full-Tooth Thread Milling Cutter

- MC550 无涂层 Uncoated
- MC551 古铜涂层 TiSiN



丝锥系列 TAP SERIES

145 德标高性能含钴高速钢机用螺旋丝锥

German Standard High Performance Cobalt HSS Machine Spiral Tap

- TE414 镀钛涂层 TiN
- TE415 黑色镀钛涂层 TiCN



147 德标高性能含钴高速钢机用先端丝锥

German Standard High Performance Cobalt
HSS Machine Spiral Point Tap

- TE424 镀钛涂层 TIN
- TE425 黑色镀钛涂层 TiCN



149 德标高性能粉末高速钢机用螺旋丝锥

German Standard High Performance Powder
HSS Machine Spiral Tap

- TP411 无涂层 Uncoated
- TP416 AlCrN 复合涂层 AlCrN



151 德标高性能粉末高速钢机用先端丝锥

German Standard High Performance Powder
HSS Machine Spiral Point Tap

- TP421 无涂层 Uncoated
- TP426 AlCrN 复合涂层 AlCrN



153 高性能粉末高速钢机用螺旋丝锥，钛合金专用

High Performance Powder HSS Machine
Spiral Tap, Titanium Alloy Special

- TP446 黑色镀钛涂层 TiCN



154 高性能粉末高速钢机用直槽丝锥，铸铁专用

High Performance Powder HSS Machine
Straight Flute Tap, Cast Iron Special

- TE456 黑色镀钛涂层 TiCN



刀片系列
INSERT SERIES

156 牌号介绍

Grade Introduction

157 槽型介绍

Insert Geometry Introduction

159 ISO 车削刀片命名规则

ISO Turning Insert Naming Rules

161 车削刀片（负前角） CN** 系列

Turning Insert (Negative) CN**

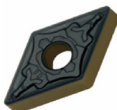
CNMG1204
CNMG1604



164 车削刀片（负前角） DN** 系列

Turning Insert (Negative) DN**

DNMG1504
DNMG1506



DNMA1504
DNMA1506



166 车削刀片（负前角） SN** 系列

Turning Insert (Negative) SN**

SNMG1204
SNMG1906



SNMM1906
SNMM2507
SNMM2509



169 车削刀片（负前角） TN** 系列

Turning Insert (Negative) TN**

TNMG1104
TNMG1604
TNMG2204



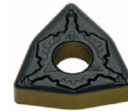
TNMA1604
TNMA2204



173 车削刀片（负前角）WN** 系列

Turning Insert (Negative) WN**

WNMG0804



177 车削刀片（负前角）VN** 系列

Turning Insert (Negative) VN**

VNMG1604



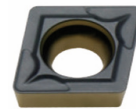
179 车削刀片（正前角）CC** 系列

Turning Insert (Positive) CC**

CCMT0602

CCMT09T3

CCMT1204

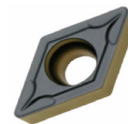


180 车削刀片（正前角）DC** 系列

Turning Insert (Positive) DC**

DCMT0702

DCMT11T3



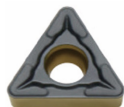
181 车削刀片（正前角）TC** 系列

Turning Insert (Positive) TC**

TCMT0902

TCMT1102

TCMT16T3



TCGT0902

TCGT1102

TCGT16T3



182 车削刀片（正前角）SC** 系列

Turning Insert (Positive) SC**

SCMT09T3

SCMT1204



SCGT09T3

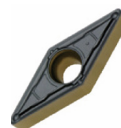
SCGT1204



183 车削刀片（正前角）VB** 系列

Turning Insert (Positive) VB**

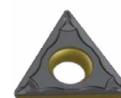
VBMT11T3
VBMT1604



184 车削刀片（正前角）TP** 系列

Turning Insert (Positive) TP**

TPMT0802 TPMT1103
TPMT0902 TPMT1603
TPMT1102



185 切槽刀片 M*** 系列

Grooving Insert M***

MGMN



MRMN



MGGN



187 切槽刀片 GR 系列

Grooving Insert GR

6GR/L 8GR/L
7GR/L 9GR/L



188 浅槽刀 TGF 系列

Grooving Insert TGF

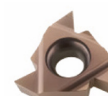
TGF32



189 ISO 标准型螺纹刀片

ISO Standard Threading Insert

11ER/IR 22ER/IR
16ER/IR 27ER/IR



191 铣刀片命名规则

Milling Insert Naming Rules

193 铣刀片 AP** 系列

Milling Insert AP**

APMT1135
APMT1604



APKT1135
APKT1604



194 铣刀片（圆形正前角）

Milling Insert(Round Positive)

RPMT



RPMW



RDMW



195 铣刀片（其他）

Milling Insert(Other)

199 车削加工计算方法

Calculation Method For Turning Machining

200 车削加工常见问题及应对方法

Common Problems and Solutions in Turning Processing

201 问题解答

Questions & Answers

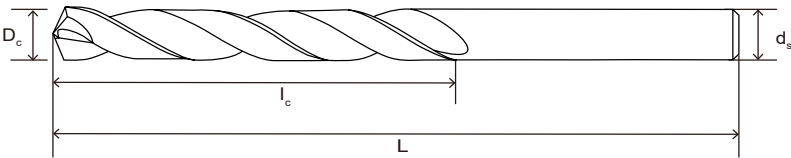
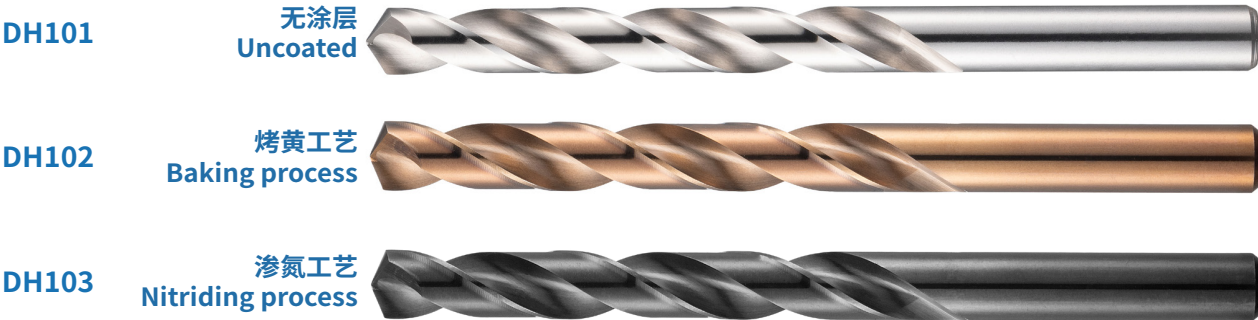


高速钢直柄钻头 DIN338 通用系列
HSS Straight Shank Drill DIN338 Standard Series

产品优点:
Product
Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 机加工, 手电钻加工通用, 具有较高的性价比

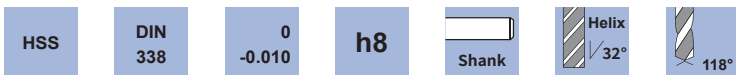
1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Suitable for both machine drilling and hand-held electric drilling, offering high cost-performance.



尺寸公差				DH101	DH102	DH103
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	L _c -mm	d _s (H8)-mm	L-mm	DH101	DH102	DH103
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
3.00	33	3.00	61	DH101-03000	DH102-03000	DH103-03000
3.10	36	3.10	65	DH101-03100	DH102-03100	DH103-03100
3.20	36	3.20	65	DH101-03200	DH102-03200	DH103-03200
3.30	36	3.30	65	DH101-03300	DH102-03300	DH103-03300
3.35	36	3.35	65	DH101-03350	DH102-03350	DH103-03350
3.40	39	3.40	70	DH101-03400	DH102-03400	DH103-03400
3.50	39	3.50	70	DH101-03500	DH102-03500	DH103-03500
3.60	39	3.60	70	DH101-03600	DH102-03600	DH103-03600
3.70	39	3.70	70	DH101-03700	DH102-03700	DH103-03700
3.75	39	3.75	70	DH101-03750	DH102-03750	DH103-03750
3.80	43	3.80	75	DH101-03800	DH102-03800	DH103-03800
3.90	43	3.90	75	DH101-03900	DH102-03900	DH103-03900
4.00	43	4.00	75	DH101-04000	DH102-04000	DH103-04000
4.10	43	4.10	75	DH101-04100	DH102-04100	DH103-04100
4.20	43	4.20	75	DH101-04200	DH102-04200	DH103-04200
4.25	43	4.25	75	DH101-04250	DH102-04250	DH103-04250
4.30	47	4.30	80	DH101-04300	DH102-04300	DH103-04300
4.40	47	4.40	80	DH101-04400	DH102-04400	DH103-04400
4.50	47	4.50	80	DH101-04500	DH102-04500	DH103-04500
4.60	47	4.60	80	DH101-04600	DH102-04600	DH103-04600
4.70	47	4.70	80	DH101-04700	DH102-04700	DH103-04700
4.75	47	4.75	80	DH101-04750	DH102-04750	DH103-04750
4.80	52	4.80	86	DH101-04800	DH102-04800	DH103-04800
4.90	52	4.90	86	DH101-04900	DH102-04900	DH103-04900
5.00	52	5.00	86	DH101-05000	DH102-05000	DH103-05000
5.10	52	5.10	86	DH101-05100	DH102-05100	DH103-05100
5.20	52	5.20	86	DH101-05200	DH102-05200	DH103-05200
5.30	52	5.30	86	DH101-05300	DH102-05300	DH103-05300
5.40	57	5.40	93	DH101-05400	DH102-05400	DH103-05400
5.50	57	5.50	93	DH101-05500	DH102-05500	DH103-05500
5.60	57	5.60	93	DH101-05600	DH102-05600	DH103-05600
5.70	57	5.70	93	DH101-05700	DH102-05700	DH103-05700
5.80	57	5.80	93	DH101-05800	DH102-05800	DH103-05800
5.90	57	5.90	93	DH101-05900	DH102-05900	DH103-05900

尺寸公差				DH101	DH102	DH103
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH101	DH102	DH103
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
6.00	57	6.00	93	DH101-06000	DH102-06000	DH103-06000
6.10	63	6.10	101	DH101-06100	DH102-06100	DH103-06100
6.20	63	6.20	101	DH101-06200	DH102-06200	DH103-06200
6.30	63	6.30	101	DH101-06300	DH102-06300	DH103-06300
6.40	63	6.40	101	DH101-06400	DH102-06400	DH103-06400
6.50	63	6.50	101	DH101-06500	DH102-06500	DH103-06500
6.60	63	6.60	101	DH101-06600	DH102-06600	DH103-06600
6.70	63	6.70	101	DH101-06700	DH102-06700	DH103-06700
6.80	69	6.80	109	DH101-06800	DH102-06800	DH103-06800
6.90	69	6.90	109	DH101-06900	DH102-06900	DH103-06900
7.00	69	7.00	109	DH101-07000	DH102-07000	DH103-07000
7.10	69	7.10	109	DH101-07100	DH102-07100	DH103-07100
7.20	69	7.20	109	DH101-07200	DH102-07200	DH103-07200
7.30	69	7.30	109	DH101-07300	DH102-07300	DH103-07300
7.40	69	7.40	109	DH101-07400	DH102-07400	DH103-07400
7.50	69	7.50	109	DH101-07500	DH102-07500	DH103-07500
7.60	75	7.60	117	DH101-07600	DH102-07600	DH103-07600
7.70	75	7.70	117	DH101-07700	DH102-07700	DH103-07700
7.80	75	7.80	117	DH101-07800	DH102-07800	DH103-07800
7.90	75	7.90	117	DH101-07900	DH102-07900	DH103-07900
8.00	75	8.00	117	DH101-08000	DH102-08000	DH103-08000
8.10	75	8.10	117	DH101-08100	DH102-08100	DH103-08100
8.20	75	8.20	117	DH101-08200	DH102-08200	DH103-08200
8.30	75	8.30	117	DH101-08300	DH102-08300	DH103-08300
8.40	75	8.40	117	DH101-08400	DH102-08400	DH103-08400
8.50	75	8.50	117	DH101-08500	DH102-08500	DH103-08500
8.60	81	8.60	125	DH101-08600	DH102-08600	DH103-08600
8.70	81	8.70	125	DH101-08700	DH102-08700	DH103-08700
8.80	81	8.80	125	DH101-08800	DH102-08800	DH103-08800
8.90	81	8.90	125	DH101-08900	DH102-08900	DH103-08900
9.00	81	9.00	125	DH101-09000	DH102-09000	DH103-09000
9.10	81	9.10	125	DH101-09100	DH102-09100	DH103-09100
9.20	81	9.20	125	DH101-09200	DH102-09200	DH103-09200
9.30	81	9.30	125	DH101-09300	DH102-09300	DH103-09300
9.40	81	9.40	125	DH101-09400	DH102-09400	DH103-09400
9.50	81	9.50	125	DH101-09500	DH102-09500	DH103-09500
9.60	87	9.60	133	DH101-09600	DH102-09600	DH103-09600
9.70	87	9.70	133	DH101-09700	DH102-09700	DH103-09700
9.80	87	9.80	133	DH101-09800	DH102-09800	DH103-09800
9.90	87	9.90	133	DH101-09900	DH102-09900	DH103-09900
10.00	87	10.00	133	DH101-10000	DH102-10000	DH103-10000
10.10	87	10.10	133	DH101-10100	DH102-10100	DH103-10100
10.20	87	10.20	133	DH101-10200	DH102-10200	DH103-10200
10.30	87	10.30	133	DH101-10300	DH102-10300	DH103-10300
10.40	87	10.40	133	DH101-10400	DH102-10400	DH103-10400
10.50	87	10.50	133	DH101-10500	DH102-10500	DH103-10500
10.60	87	10.60	133	DH101-10600	DH102-10600	DH103-10600
10.70	94	10.70	142	DH101-10700	DH102-10700	DH103-10700
10.80	94	10.80	142	DH101-10800	DH102-10800	DH103-10800
10.90	94	10.90	142	DH101-10900	DH102-10900	DH103-10900
11.00	94	11.00	142	DH101-11000	DH102-11000	DH103-11000
11.10	94	11.10	142	DH101-11100	DH102-11100	DH103-11100
11.20	94	11.20	142	DH101-11200	DH102-11200	DH103-11200
11.30	94	11.30	142	DH101-11300	DH102-11300	DH103-11300
11.40	94	11.40	142	DH101-11400	DH102-11400	DH103-11400
11.50	94	11.50	142	DH101-11500	DH102-11500	DH103-11500
11.60	94	11.60	142	DH101-11600	DH102-11600	DH103-11600
11.70	94	11.70	142	DH101-11700	DH102-11700	DH103-11700
11.80	94	11.80	142	DH101-11800	DH102-11800	DH103-11800
11.90	101	11.90	151	DH101-11900	DH102-11900	DH103-11900
12.00	101	12.00	151	DH101-12000	DH102-12000	DH103-12000
12.10	101	12.10	151	DH101-12100	DH102-12100	DH103-12100
12.20	101	12.20	151	DH101-12200	DH102-12200	DH103-12200
12.30	101	12.30	151	DH101-12300	DH102-12300	DH103-12300
12.40	101	12.40	151	DH101-12400	DH102-12400	DH103-12400
12.50	101	12.50	151	DH101-12500	DH102-12500	DH103-12500
12.60	101	12.60	151	DH101-12600	DH102-12600	DH103-12600
12.70	101	12.70	151	DH101-12700	DH102-12700	DH103-12700
12.80	101	12.80	151	DH101-12800	DH102-12800	DH103-12800
12.90	101	12.90	151	DH101-12900	DH102-12900	DH103-12900
13.00	101	13.00	151	DH101-13000	DH102-13000	DH103-13000

尺寸公差				DH101	DH102	DH103
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH101	DH102	DH103
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
13.10	101	13.10	151	DH101-13100	DH102-13100	DH103-13100
13.20	101	13.20	151	DH101-13200	DH102-13200	DH103-13200
13.30	108	13.30	160	DH101-13300	DH102-13300	DH103-13300
13.40	108	13.40	160	DH101-13400	DH102-13400	DH103-13400
13.50	108	13.50	160	DH101-13500	DH102-13500	DH103-13500
13.60	108	13.60	160	DH101-13600	DH102-13600	DH103-13600
13.70	108	13.70	160	DH101-13700	DH102-13700	DH103-13700
13.80	108	13.80	160	DH101-13800	DH102-13800	DH103-13800
13.90	108	13.90	160	DH101-13900	DH102-13900	DH103-13900
14.00	108	14.00	160	DH101-14000	DH102-14000	DH103-14000
14.10	114	14.10	169	DH101-14100	DH102-14100	DH103-14100
14.20	114	14.20	169	DH101-14200	DH102-14200	DH103-14200
14.30	114	14.30	169	DH101-14300	DH102-14300	DH103-14300
14.40	114	14.40	169	DH101-14400	DH102-14400	DH103-14400
14.50	114	14.50	169	DH101-14500	DH102-14500	DH103-14500
14.60	114	14.60	169	DH101-14600	DH102-14600	DH103-14600
14.70	114	14.70	169	DH101-14700	DH102-14700	DH103-14700
14.80	114	14.80	169	DH101-14800	DH102-14800	DH103-14800
14.90	114	14.90	169	DH101-14900	DH102-14900	DH103-14900
15.00	114	15.00	169	DH101-15000	DH102-15000	DH103-15000
15.10	120	15.10	178	DH101-15100	DH102-15100	DH103-15100
15.20	120	15.20	178	DH101-15200	DH102-15200	DH103-15200
15.30	120	15.30	178	DH101-15300	DH102-15300	DH103-15300
15.40	120	15.40	178	DH101-15400	DH102-15400	DH103-15400
15.50	120	15.50	178	DH101-15500	DH102-15500	DH103-15500
15.60	120	15.60	178	DH101-15600	DH102-15600	DH103-15600
15.70	120	15.70	178	DH101-15700	DH102-15700	DH103-15700
15.80	120	15.80	178	DH101-15800	DH102-15800	DH103-15800
15.90	120	15.90	178	DH101-15900	DH102-15900	DH103-15900
16.00	120	16.00	178	DH101-16000	DH102-16000	DH103-16000
16.10	125	16.10	184	DH101-16100	DH102-16100	DH103-16100
16.20	125	16.20	184	DH101-16200	DH102-16200	DH103-16200
16.30	125	16.30	184	DH101-16300	DH102-16300	DH103-16300
16.40	125	16.40	184	DH101-16400	DH102-16400	DH103-16400
16.50	125	16.50	184	DH101-16500	DH102-16500	DH103-16500
16.60	125	16.60	184	DH101-16600	DH102-16600	DH103-16600
16.70	125	16.70	184	DH101-16700	DH102-16700	DH103-16700
16.80	125	16.80	184	DH101-16800	DH102-16800	DH103-16800
16.90	125	16.90	184	DH101-16900	DH102-16900	DH103-16900
17.00	125	17.00	184	DH101-17000	DH102-17000	DH103-17000
17.10	130	17.10	191	DH101-17100	DH102-17100	DH103-17100
17.20	130	17.20	191	DH101-17200	DH102-17200	DH103-17200
17.30	130	17.30	191	DH101-17300	DH102-17300	DH103-17300
17.40	130	17.40	191	DH101-17400	DH102-17400	DH103-17400
17.50	130	17.50	191	DH101-17500	DH102-17500	DH103-17500
17.60	130	17.60	191	DH101-17600	DH102-17600	DH103-17600
17.70	130	17.70	191	DH101-17700	DH102-17700	DH103-17700
17.80	130	17.80	191	DH101-17800	DH102-17800	DH103-17800
17.90	130	17.90	191	DH101-17900	DH102-17900	DH103-17900
18.00	130	18.00	191	DH101-18000	DH102-18000	DH103-18000
18.10	135	18.10	198	DH101-18100	DH102-18100	DH103-18100
18.20	135	18.20	198	DH101-18200	DH102-18200	DH103-18200
18.30	135	18.30	198	DH101-18300	DH102-18300	DH103-18300
18.40	135	18.40	198	DH101-18400	DH102-18400	DH103-18400
18.50	135	18.50	198	DH101-18500	DH102-18500	DH103-18500
18.60	135	18.60	198	DH101-18600	DH102-18600	DH103-18600
18.70	135	18.70	198	DH101-18700	DH102-18700	DH103-18700
18.80	135	18.80	198	DH101-18800	DH102-18800	DH103-18800
18.90	135	18.90	198	DH101-18900	DH102-18900	DH103-18900
19.00	135	19.00	198	DH101-19000	DH102-19000	DH103-19000
19.10	140	19.10	205	DH101-19100	DH102-19100	DH103-19100
19.20	140	19.20	205	DH101-19200	DH102-19200	DH103-19200
19.30	140	19.30	205	DH101-19300	DH102-19300	DH103-19300
19.40	140	19.40	205	DH101-19400	DH102-19400	DH103-19400
19.50	140	19.50	205	DH101-19500	DH102-19500	DH103-19500
19.60	140	19.60	205	DH101-19600	DH102-19600	DH103-19600
19.70	140	19.70	205	DH101-19700	DH102-19700	DH103-19700
19.80	140	19.80	205	DH101-19800	DH102-19800	DH103-19800
19.90	140	19.90	205	DH101-19900	DH102-19900	DH103-19900
20.00	140	20.00	205	DH101-20000	DH102-20000	DH103-20000



高速钢直柄钻头 DIN338 通用系列 带涂层 HSS Straight Shank Drill DIN338 Standard Series

产品优点: Product Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 机加工, 手电钻加工通用, 具有较高的性价比
4. 高性能涂层显著增加使用寿命"

1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Suitable for both machine drilling and hand-held electric drilling, offering high cost-performance.
4. High-performance coating significantly extends service life.

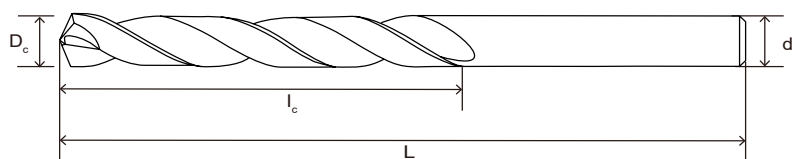
DH104

镀钛涂层
TIN



DH105

铝钛涂层
ALTiN



尺寸公差				DH104	DH105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE104	DE105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	33	3.00	61	DH104-03000	DH105-03000
3.10	36	3.10	65	DH104-03100	DH105-03100
3.20	36	3.20	65	DH104-03200	DH105-03200
3.30	36	3.30	65	DH104-03300	DH105-03300
3.40	39	3.40	70	DH104-03400	DH105-03400
3.50	39	3.50	70	DH104-03500	DH105-03500
3.60	39	3.60	70	DH104-03600	DH105-03600
3.70	39	3.70	70	DH104-03700	DH105-03700
3.80	43	3.80	75	DH104-03800	DH105-03800
3.90	43	3.90	75	DH104-03900	DH105-03900
4.00	43	4.00	75	DH104-04000	DH105-04000
4.10	43	4.10	75	DH104-04100	DH105-04100
4.20	43	4.20	75	DH104-04200	DH105-04200
4.30	47	4.30	80	DH104-04300	DH105-04300
4.40	47	4.40	80	DH104-04400	DH105-04400
4.50	47	4.50	80	DH104-04500	DH105-04500
4.60	47	4.60	80	DH104-04600	DH105-04600
4.70	47	4.70	80	DH104-04700	DH105-04700
4.80	52	4.80	86	DH104-04800	DH105-04800
4.90	52	4.90	86	DH104-04900	DH105-04900
5.00	52	5.00	86	DH104-05000	DH105-05000
5.10	52	5.10	86	DH104-05100	DH105-05100
5.20	52	5.20	86	DH104-05200	DH105-05200
5.30	52	5.30	86	DH104-05300	DH105-05300
5.40	57	5.40	93	DH104-05400	DH105-05400
5.50	57	5.50	93	DH104-05500	DH105-05500
5.60	57	5.60	93	DH104-05600	DH105-05600
5.70	57	5.70	93	DH104-05700	DH105-05700
5.80	57	5.80	93	DH104-05800	DH105-05800
5.90	57	5.90	93	DH104-05900	DH105-05900
6.00	57	6.00	93	DH104-06000	DH105-06000
6.10	63	6.10	101	DH104-06100	DH105-06100
6.20	63	6.20	101	DH104-06200	DH105-06200
6.30	63	6.30	101	DH104-06300	DH105-06300

尺寸公差				DH104	DH105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE104	DE105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.40	63	6.40	101	DH104-06400	DH105-06400
6.50	63	6.50	101	DH104-06500	DH105-06500
6.60	63	6.60	101	DH104-06600	DH105-06600
6.70	63	6.70	101	DH104-06700	DH105-06700
6.80	69	6.80	109	DH104-06800	DH105-06800
6.90	69	6.90	109	DH104-06900	DH105-06900
7.00	69	7.00	109	DH104-07000	DH105-07000
7.10	69	7.10	109	DH104-07100	DH105-07100
7.20	69	7.20	109	DH104-07200	DH105-07200
7.30	69	7.30	109	DH104-07300	DH105-07300
7.40	69	7.40	109	DH104-07400	DH105-07400
7.50	69	7.50	109	DH104-07500	DH105-07500
7.60	75	7.60	117	DH104-07600	DH105-07600
7.70	75	7.70	117	DH104-07700	DH105-07700
7.80	75	7.80	117	DH104-07800	DH105-07800
7.90	75	7.90	117	DH104-07900	DH105-07900
8.00	75	8.00	117	DH104-08000	DH105-08000
8.10	75	8.10	117	DH104-08100	DH105-08100
8.20	75	8.20	117	DH104-08200	DH105-08200
8.30	75	8.30	117	DH104-08300	DH105-08300
8.40	75	8.40	117	DH104-08400	DH105-08400
8.50	75	8.50	117	DH104-08500	DH105-08500
8.60	81	8.60	125	DH104-08600	DH105-08600
8.70	81	8.70	125	DH104-08700	DH105-08700
8.80	81	8.80	125	DH104-08800	DH105-08800
8.90	81	8.90	125	DH104-08900	DH105-08900
9.00	81	9.00	125	DH104-09000	DH105-09000
9.10	81	9.10	125	DH104-09100	DH105-09100
9.20	81	9.20	125	DH104-09200	DH105-09200
9.30	81	9.30	125	DH104-09300	DH105-09300
9.40	81	9.40	125	DH104-09400	DH105-09400
9.50	81	9.50	125	DH104-09500	DH105-09500
9.60	87	9.60	133	DH104-09600	DH105-09600
9.70	87	9.70	133	DH104-09700	DH105-09700
9.80	87	9.80	133	DH104-09800	DH105-09800
9.90	87	9.90	133	DH104-09900	DH105-09900
10.00	87	10.00	133	DH104-10000	DH105-10000
10.10	87	10.10	133	DH104-10100	DH105-10100
10.20	87	10.20	133	DH104-10200	DH105-10200
10.30	87	10.30	133	DH104-10300	DH105-10300
10.40	87	10.40	133	DH104-10400	DH105-10400
10.50	87	10.50	133	DH104-10500	DH105-10500
10.60	87	10.60	133	DH104-10600	DH105-10600
10.70	94	10.70	142	DH104-10700	DH105-10700
10.80	94	10.80	142	DH104-10800	DH105-10800
10.90	94	10.90	142	DH104-10900	DH105-10900
11.00	94	11.00	142	DH104-11000	DH105-11000
11.10	94	11.10	142	DH104-11100	DH105-11100
11.20	94	11.20	142	DH104-11200	DH105-11200
11.30	94	11.30	142	DH104-11300	DH105-11300
11.40	94	11.40	142	DH104-11400	DH105-11400
11.50	94	11.50	142	DH104-11500	DH105-11500
11.60	94	11.60	142	DH104-11600	DH105-11600
11.70	94	11.70	142	DH104-11700	DH105-11700
11.80	94	11.80	142	DH104-11800	DH105-11800
11.90	101	11.90	151	DH104-11900	DH105-11900
12.00	101	12.00	151	DH104-12000	DH105-12000
12.10	101	12.10	151	DH104-12100	DH105-12100
12.20	101	12.20	151	DH104-12200	DH105-12200
12.30	101	12.30	151	DH104-12300	DH105-12300
12.40	101	12.40	151	DH104-12400	DH105-12400
12.50	101	12.50	151	DH104-12500	DH105-12500
12.60	101	12.60	151	DH104-12600	DH105-12600
12.70	101	12.70	151	DH104-12700	DH105-12700
12.80	101	12.80	151	DH104-12800	DH105-12800
12.90	101	12.90	151	DH104-12900	DH105-12900
13.00	101	13.00	151	DH104-13000	DH105-13000
13.10	101	13.10	151	DH104-13100	DH105-13100
13.20	101	13.20	151	DH104-13200	DH105-13200
13.30	108	13.30	160	DH104-13300	DH105-13300
13.40	108	13.40	160	DH104-13400	DH105-13400

尺寸公差				DH104	DH105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE104	DE105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.50	108	13.50	160	DH104-13500	DH105-13500
13.60	108	13.60	160	DH104-13600	DH105-13600
13.70	108	13.70	160	DH104-13700	DH105-13700
13.80	108	13.80	160	DH104-13800	DH105-13800
13.90	108	13.90	160	DH104-13900	DH105-13900
14.00	108	14.00	160	DH104-14000	DH105-14000
14.10	114	14.10	169	DH104-14100	DH105-14100
14.20	114	14.20	169	DH104-14200	DH105-14200
14.30	114	14.30	169	DH104-14300	DH105-14300
14.40	114	14.40	169	DH104-14400	DH105-14400
14.50	114	14.50	169	DH104-14500	DH105-14500
14.60	114	14.60	169	DH104-14600	DH105-14600
14.70	114	14.70	169	DH104-14700	DH105-14700
14.80	114	14.80	169	DH104-14800	DH105-14800
14.90	114	14.90	169	DH104-14900	DH105-14900
15.00	114	15.00	169	DH104-15000	DH105-15000
15.10	120	15.10	178	DH104-15100	DH105-15100
15.20	120	15.20	178	DH104-15200	DH105-15200
15.30	120	15.30	178	DH104-15300	DH105-15300
15.40	120	15.40	178	DH104-15400	DH105-15400
15.50	120	15.50	178	DH104-15500	DH105-15500
15.60	120	15.60	178	DH104-15600	DH105-15600
15.70	120	15.70	178	DH104-15700	DH105-15700
15.80	120	15.80	178	DH104-15800	DH105-15800
15.90	120	15.90	178	DH104-15900	DH105-15900
16.00	120	16.00	178	DH104-16000	DH105-16000
16.10	125	16.10	184	DH104-16100	DH105-16100
16.20	125	16.20	184	DH104-16200	DH105-16200
16.30	125	16.30	184	DH104-16300	DH105-16300
16.40	125	16.40	184	DH104-16400	DH105-16400
16.50	125	16.50	184	DH104-16500	DH105-16500
16.60	125	16.60	184	DH104-16600	DH105-16600
16.70	125	16.70	184	DH104-16700	DH105-16700
16.80	125	16.80	184	DH104-16800	DH105-16800
16.90	125	16.90	184	DH104-16900	DH105-16900
17.00	125	17.00	184	DH104-17000	DH105-17000
17.10	130	17.10	191	DH104-17100	DH105-17100
17.20	130	17.20	191	DH104-17200	DH105-17200
17.30	130	17.30	191	DH104-17300	DH105-17300
17.40	130	17.40	191	DH104-17400	DH105-17400
17.50	130	17.50	191	DH104-17500	DH105-17500
17.60	130	17.60	191	DH104-17600	DH105-17600
17.70	130	17.70	191	DH104-17700	DH105-17700
17.80	130	17.80	191	DH104-17800	DH105-17800
17.90	130	17.90	191	DH104-17900	DH105-17900
18.00	130	18.00	191	DH104-18000	DH105-18000
18.10	135	18.10	198	DH104-18100	DH105-18100
18.20	135	18.20	198	DH104-18200	DH105-18200
18.30	135	18.30	198	DH104-18300	DH105-18300
18.40	135	18.40	198	DH104-18400	DH105-18400
18.50	135	18.50	198	DH104-18500	DH105-18500
18.60	135	18.60	198	DH104-18600	DH105-18600
18.70	135	18.70	198	DH104-18700	DH105-18700
18.80	135	18.80	198	DH104-18800	DH105-18800
18.90	135	18.90	198	DH104-18900	DH105-18900
19.00	135	19.00	198	DH104-19000	DH105-19000
19.10	140	19.10	205	DH104-19100	DH105-19100
19.20	140	19.20	205	DH104-19200	DH105-19200
19.30	140	19.30	205	DH104-19300	DH105-19300
19.40	140	19.40	205	DH104-19400	DH105-19400
19.50	140	19.50	205	DH104-19500	DH105-19500
19.60	140	19.60	205	DH104-19600	DH105-19600
19.70	140	19.70	205	DH104-19700	DH105-19700
19.80	140	19.80	205	DH104-19800	DH105-19800
19.90	140	19.90	205	DH104-19900	DH105-19900
20.00	140	20.00	205	DH104-20000	DH105-20000

HSS-E

DIN
338

0
-0.010

h8

Shank

Helix
32°

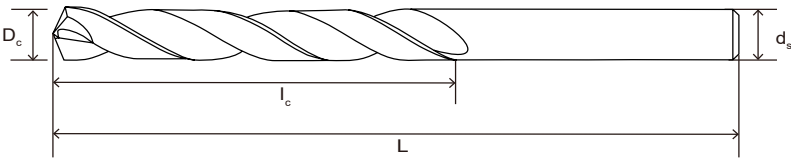
135°

含钴高速钢直柄钻头 DIN338 通用系列
HSS Straight Shank Drill DIN338 Standard Series

产品优点:
Product
Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 机加工, 手电钻加工通用
4. 材料采用 5% 高速钢, 提高使用寿命 "

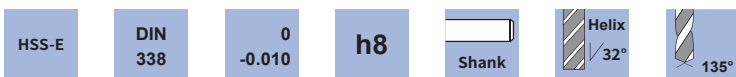
- "1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Suitable for both machine drilling and hand-held electric drilling.
4. Made of 5% cobalt high-speed steel for increased service life.



尺寸公差				DE101	DE102
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE101	DE102
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	33	3.00	61	DE101-03000	DE102-03000
3.10	36	3.10	65	DE101-03100	DE102-03100
3.20	36	3.20	65	DE101-03200	DE102-03200
3.30	36	3.30	65	DE101-03300	DE102-03300
3.40	39	3.40	70	DE101-03400	DE102-03400
3.50	39	3.50	70	DE101-03500	DE102-03500
3.60	39	3.60	70	DE101-03600	DE102-03600
3.70	39	3.70	70	DE101-03700	DE102-03700
3.80	43	3.80	75	DE101-03800	DE102-03800
3.90	43	3.90	75	DE101-03900	DE102-03900
4.00	43	4.00	75	DE101-04000	DE102-04000
4.10	43	4.10	75	DE101-04100	DE102-04100
4.20	43	4.20	75	DE101-04200	DE102-04200
4.30	47	4.30	80	DE101-04300	DE102-04300
4.40	47	4.40	80	DE101-04400	DE102-04400
4.50	47	4.50	80	DE101-04500	DE102-04500
4.60	47	4.60	80	DE101-04600	DE102-04600
4.70	47	4.70	80	DE101-04700	DE102-04700
4.80	52	4.80	86	DE101-04800	DE102-04800
4.90	52	4.90	86	DE101-04900	DE102-04900
5.00	52	5.00	86	DE101-05000	DE102-05000
5.10	52	5.10	86	DE101-05100	DE102-05100
5.20	52	5.20	86	DE101-05200	DE102-05200
5.30	52	5.30	86	DE101-05300	DE102-05300
5.40	57	5.40	93	DE101-05400	DE102-05400
5.50	57	5.50	93	DE101-05500	DE102-05500
5.60	57	5.60	93	DE101-05600	DE102-05600
5.70	57	5.70	93	DE101-05700	DE102-05700
5.80	57	5.80	93	DE101-05800	DE102-05800
5.90	57	5.90	93	DE101-05900	DE102-05900
6.00	57	6.00	93	DE101-06000	DE102-06000
6.10	63	6.10	101	DE101-06100	DE102-06100
6.20	63	6.20	101	DE101-06200	DE102-06200
6.30	63	6.30	101	DE101-06300	DE102-06300

尺寸公差				DE101	DE102
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE101	DE102
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.40	63	6.40	101	DE101-06400	DE102-06400
6.50	63	6.50	101	DE101-06500	DE102-06500
6.60	63	6.60	101	DE101-06600	DE102-06600
6.70	63	6.70	101	DE101-06700	DE102-06700
6.80	69	6.80	109	DE101-06800	DE102-06800
6.90	69	6.90	109	DE101-06900	DE102-06900
7.00	69	7.00	109	DE101-07000	DE102-07000
7.10	69	7.10	109	DE101-07100	DE102-07100
7.20	69	7.20	109	DE101-07200	DE102-07200
7.30	69	7.30	109	DE101-07300	DE102-07300
7.40	69	7.40	109	DE101-07400	DE102-07400
7.50	69	7.50	109	DE101-07500	DE102-07500
7.60	75	7.60	117	DE101-07600	DE102-07600
7.70	75	7.70	117	DE101-07700	DE102-07700
7.80	75	7.80	117	DE101-07800	DE102-07800
7.90	75	7.90	117	DE101-07900	DE102-07900
8.00	75	8.00	117	DE101-08000	DE102-08000
8.10	75	8.10	117	DE101-08100	DE102-08100
8.20	75	8.20	117	DE101-08200	DE102-08200
8.30	75	8.30	117	DE101-08300	DE102-08300
8.40	75	8.40	117	DE101-08400	DE102-08400
8.50	75	8.50	117	DE101-08500	DE102-08500
8.60	81	8.60	125	DE101-08600	DE102-08600
8.70	81	8.70	125	DE101-08700	DE102-08700
8.80	81	8.80	125	DE101-08800	DE102-08800
8.90	81	8.90	125	DE101-08900	DE102-08900
9.00	81	9.00	125	DE101-09000	DE102-09000
9.10	81	9.10	125	DE101-09100	DE102-09100
9.20	81	9.20	125	DE101-09200	DE102-09200
9.30	81	9.30	125	DE101-09300	DE102-09300
9.40	81	9.40	125	DE101-09400	DE102-09400
9.50	81	9.50	125	DE101-09500	DE102-09500
9.60	87	9.60	133	DE101-09600	DE102-09600
9.70	87	9.70	133	DE101-09700	DE102-09700
9.80	87	9.80	133	DE101-09800	DE102-09800
9.90	87	9.90	133	DE101-09900	DE102-09900
10.00	87	10.00	133	DE101-10000	DE102-10000
10.10	87	10.10	133	DE101-10100	DE102-10100
10.20	87	10.20	133	DE101-10200	DE102-10200
10.30	87	10.30	133	DE101-10300	DE102-10300
10.40	87	10.40	133	DE101-10400	DE102-10400
10.50	87	10.50	133	DE101-10500	DE102-10500
10.60	87	10.60	133	DE101-10600	DE102-10600
10.70	94	10.70	142	DE101-10700	DE102-10700
10.80	94	10.80	142	DE101-10800	DE102-10800
10.90	94	10.90	142	DE101-10900	DE102-10900
11.00	94	11.00	142	DE101-11000	DE102-11000
11.10	94	11.10	142	DE101-11100	DE102-11100
11.20	94	11.20	142	DE101-11200	DE102-11200
11.30	94	11.30	142	DE101-11300	DE102-11300
11.40	94	11.40	142	DE101-11400	DE102-11400
11.50	94	11.50	142	DE101-11500	DE102-11500
11.60	94	11.60	142	DE101-11600	DE102-11600
11.70	94	11.70	142	DE101-11700	DE102-11700
11.80	94	11.80	142	DE101-11800	DE102-11800
11.90	101	11.90	151	DE101-11900	DE102-11900
12.00	101	12.00	151	DE101-12000	DE102-12000
12.10	101	12.10	151	DE101-12100	DE102-12100
12.20	101	12.20	151	DE101-12200	DE102-12200
12.30	101	12.30	151	DE101-12300	DE102-12300
12.40	101	12.40	151	DE101-12400	DE102-12400
12.50	101	12.50	151	DE101-12500	DE102-12500
12.60	101	12.60	151	DE101-12600	DE102-12600
12.70	101	12.70	151	DE101-12700	DE102-12700
12.80	101	12.80	151	DE101-12800	DE102-12800
12.90	101	12.90	151	DE101-12900	DE102-12900
13.00	101	13.00	151	DE101-13000	DE102-13000
13.10	101	13.10	151	DE101-13100	DE102-13100
13.20	101	13.20	151	DE101-13200	DE102-13200
13.30	108	13.30	160	DE101-13300	DE102-13300

尺寸公差				DE101	DE102
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE101	DE102
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.40	108	13.40	160	DE101-13400	DE102-13400
13.50	108	13.50	160	DE101-13500	DE102-13500
13.60	108	13.60	160	DE101-13600	DE102-13600
13.70	108	13.70	160	DE101-13700	DE102-13700
13.80	108	13.80	160	DE101-13800	DE102-13800
13.90	108	13.90	160	DE101-13900	DE102-13900
14.00	108	14.00	160	DE101-14000	DE102-14000
14.10	114	14.10	169	DE101-14100	DE102-14100
14.20	114	14.20	169	DE101-14200	DE102-14200
14.30	114	14.30	169	DE101-14300	DE102-14300
14.40	114	14.40	169	DE101-14400	DE102-14400
14.50	114	14.50	169	DE101-14500	DE102-14500
14.60	114	14.60	169	DE101-14600	DE102-14600
14.70	114	14.70	169	DE101-14700	DE102-14700
14.80	114	14.80	169	DE101-14800	DE102-14800
14.90	114	14.90	169	DE101-14900	DE102-14900
15.00	114	15.00	169	DE101-15000	DE102-15000
15.10	120	15.10	178	DE101-15100	DE102-15100
15.20	120	15.20	178	DE101-15200	DE102-15200
15.30	120	15.30	178	DE101-15300	DE102-15300
15.40	120	15.40	178	DE101-15400	DE102-15400
15.50	120	15.50	178	DE101-15500	DE102-15500
15.60	120	15.60	178	DE101-15600	DE102-15600
15.70	120	15.70	178	DE101-15700	DE102-15700
15.80	120	15.80	178	DE101-15800	DE102-15800
15.90	120	15.90	178	DE101-15900	DE102-15900
16.00	120	16.00	178	DE101-16000	DE102-16000
16.10	125	16.10	184	DE101-16100	DE102-16100
16.20	125	16.20	184	DE101-16200	DE102-16200
16.30	125	16.30	184	DE101-16300	DE102-16300
16.40	125	16.40	184	DE101-16400	DE102-16400
16.50	125	16.50	184	DE101-16500	DE102-16500
16.60	125	16.60	184	DE101-16600	DE102-16600
16.70	125	16.70	184	DE101-16700	DE102-16700
16.80	125	16.80	184	DE101-16800	DE102-16800
16.90	125	16.90	184	DE101-16900	DE102-16900
17.00	125	17.00	184	DE101-17000	DE102-17000
17.10	130	17.10	191	DE101-17100	DE102-17100
17.20	130	17.20	191	DE101-17200	DE102-17200
17.30	130	17.30	191	DE101-17300	DE102-17300
17.40	130	17.40	191	DE101-17400	DE102-17400
17.50	130	17.50	191	DE101-17500	DE102-17500
17.60	130	17.60	191	DE101-17600	DE102-17600
17.70	130	17.70	191	DE101-17700	DE102-17700
17.80	130	17.80	191	DE101-17800	DE102-17800
17.90	130	17.90	191	DE101-17900	DE102-17900
18.00	130	18.00	191	DE101-18000	DE102-18000
18.10	135	18.10	198	DE101-18100	DE102-18100
18.20	135	18.20	198	DE101-18200	DE102-18200
18.30	135	18.30	198	DE101-18300	DE102-18300
18.40	135	18.40	198	DE101-18400	DE102-18400
18.50	135	18.50	198	DE101-18500	DE102-18500
18.60	135	18.60	198	DE101-18600	DE102-18600
18.70	135	18.70	198	DE101-18700	DE102-18700
18.80	135	18.80	198	DE101-18800	DE102-18800
18.90	135	18.90	198	DE101-18900	DE102-18900
19.00	135	19.00	198	DE101-19000	DE102-19000
19.10	140	19.10	205	DE101-19100	DE102-19100
19.20	140	19.20	205	DE101-19200	DE102-19200
19.30	140	19.30	205	DE101-19300	DE102-19300
19.40	140	19.40	205	DE101-19400	DE102-19400
19.50	140	19.50	205	DE101-19500	DE102-19500
19.60	140	19.60	205	DE101-19600	DE102-19600
19.70	140	19.70	205	DE101-19700	DE102-19700
19.80	140	19.80	205	DE101-19800	DE102-19800
19.90	140	19.90	205	DE101-19900	DE102-19900
20.00	140	20.00	205	DE101-20000	DE102-20000



高速钢直柄钻头 DIN338 通用系列 HSS Straight Shank Drill DIN338 Standard Series

产品优点: Product Advantages:

- "1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 机加工, 手电钻加工通用
4. 采用含钴 5% 高速钢, 提高使用寿命
5. 高性能涂层显著增加使用寿命"

- "1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Suitable for both machine drilling and hand-held electric drilling.
4. Made of 5% cobalt high-speed steel for increased service life.
5. High-performance coating significantly extends service life."

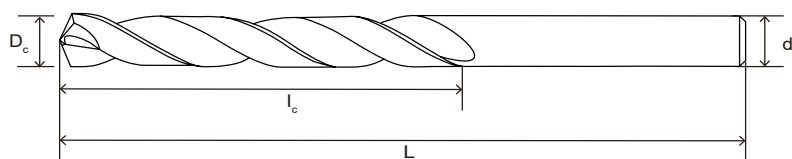
DE104

镀钛涂层
TIN



DE105

铝钛涂层
ALTiN



尺寸公差				DE104	DE105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE104	DE105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	33	3.00	61	DE104-03000	DE105-03000
3.10	36	3.10	65	DE104-03100	DE105-03100
3.20	36	3.20	65	DE104-03200	DE105-03200
3.30	36	3.30	65	DE104-03300	DE105-03300
3.40	39	3.40	70	DE104-03400	DE105-03400
3.50	39	3.50	70	DE104-03500	DE105-03500
3.60	39	3.60	70	DE104-03600	DE105-03600
3.70	39	3.70	70	DE104-03700	DE105-03700
3.80	43	3.80	75	DE104-03800	DE105-03800
3.90	43	3.90	75	DE104-03900	DE105-03900
4.00	43	4.00	75	DE104-04000	DE105-04000
4.10	43	4.10	75	DE104-04100	DE105-04100
4.20	43	4.20	75	DE104-04200	DE105-04200
4.30	47	4.30	80	DE104-04300	DE105-04300
4.40	47	4.40	80	DE104-04400	DE105-04400
4.50	47	4.50	80	DE104-04500	DE105-04500
4.60	47	4.60	80	DE104-04600	DE105-04600
4.70	47	4.70	80	DE104-04700	DE105-04700
4.80	52	4.80	86	DE104-04800	DE105-04800
4.90	52	4.90	86	DE104-04900	DE105-04900
5.00	52	5.00	86	DE104-05000	DE105-05000
5.10	52	5.10	86	DE104-05100	DE105-05100
5.20	52	5.20	86	DE104-05200	DE105-05200
5.30	52	5.30	86	DE104-05300	DE105-05300
5.40	57	5.40	93	DE104-05400	DE105-05400
5.50	57	5.50	93	DE104-05500	DE105-05500
5.60	57	5.60	93	DE104-05600	DE105-05600
5.70	57	5.70	93	DE104-05700	DE105-05700
5.80	57	5.80	93	DE104-05800	DE105-05800
5.90	57	5.90	93	DE104-05900	DE105-05900
6.00	57	6.00	93	DE104-06000	DE105-06000
6.10	63	6.10	101	DE104-06100	DE105-06100
6.20	63	6.20	101	DE104-06200	DE105-06200
6.30	63	6.30	101	DE104-06300	DE105-06300

尺寸公差				DE104	DE105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE104	DE105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.40	63	6.40	101	DE104-06400	DE105-06400
6.50	63	6.50	101	DE104-06500	DE105-06500
6.60	63	6.60	101	DE104-06600	DE105-06600
6.70	63	6.70	101	DE104-06700	DE105-06700
6.80	69	6.80	109	DE104-06800	DE105-06800
6.90	69	6.90	109	DE104-06900	DE105-06900
7.00	69	7.00	109	DE104-07000	DE105-07000
7.10	69	7.10	109	DE104-07100	DE105-07100
7.20	69	7.20	109	DE104-07200	DE105-07200
7.30	69	7.30	109	DE104-07300	DE105-07300
7.40	69	7.40	109	DE104-07400	DE105-07400
7.50	69	7.50	109	DE104-07500	DE105-07500
7.60	75	7.60	117	DE104-07600	DE105-07600
7.70	75	7.70	117	DE104-07700	DE105-07700
7.80	75	7.80	117	DE104-07800	DE105-07800
7.90	75	7.90	117	DE104-07900	DE105-07900
8.00	75	8.00	117	DE104-08000	DE105-08000
8.10	75	8.10	117	DE104-08100	DE105-08100
8.20	75	8.20	117	DE104-08200	DE105-08200
8.30	75	8.30	117	DE104-08300	DE105-08300
8.40	75	8.40	117	DE104-08400	DE105-08400
8.50	75	8.50	117	DE104-08500	DE105-08500
8.60	81	8.60	125	DE104-08600	DE105-08600
8.70	81	8.70	125	DE104-08700	DE105-08700
8.80	81	8.80	125	DE104-08800	DE105-08800
8.90	81	8.90	125	DE104-08900	DE105-08900
9.00	81	9.00	125	DE104-09000	DE105-09000
9.10	81	9.10	125	DE104-09100	DE105-09100
9.20	81	9.20	125	DE104-09200	DE105-09200
9.30	81	9.30	125	DE104-09300	DE105-09300
9.40	81	9.40	125	DE104-09400	DE105-09400
9.50	81	9.50	125	DE104-09500	DE105-09500
9.60	87	9.60	133	DE104-09600	DE105-09600
9.70	87	9.70	133	DE104-09700	DE105-09700
9.80	87	9.80	133	DE104-09800	DE105-09800
9.90	87	9.90	133	DE104-09900	DE105-09900
10.00	87	10.00	133	DE104-10000	DE105-10000
10.10	87	10.10	133	DE104-10100	DE105-10100
10.20	87	10.20	133	DE104-10200	DE105-10200
10.30	87	10.30	133	DE104-10300	DE105-10300
10.40	87	10.40	133	DE104-10400	DE105-10400
10.50	87	10.50	133	DE104-10500	DE105-10500
10.60	87	10.60	133	DE104-10600	DE105-10600
10.70	94	10.70	142	DE104-10700	DE105-10700
10.80	94	10.80	142	DE104-10800	DE105-10800
10.90	94	10.90	142	DE104-10900	DE105-10900
11.00	94	11.00	142	DE104-11000	DE105-11000
11.10	94	11.10	142	DE104-11100	DE105-11100
11.20	94	11.20	142	DE104-11200	DE105-11200
11.30	94	11.30	142	DE104-11300	DE105-11300
11.40	94	11.40	142	DE104-11400	DE105-11400
11.50	94	11.50	142	DE104-11500	DE105-11500
11.60	94	11.60	142	DE104-11600	DE105-11600
11.70	94	11.70	142	DE104-11700	DE105-11700
11.80	94	11.80	142	DE104-11800	DE105-11800
11.90	101	11.90	151	DE104-11900	DE105-11900
12.00	101	12.00	151	DE104-12000	DE105-12000
12.10	101	12.10	151	DE104-12100	DE105-12100
12.20	101	12.20	151	DE104-12200	DE105-12200
12.30	101	12.30	151	DE104-12300	DE105-12300
12.40	101	12.40	151	DE104-12400	DE105-12400
12.50	101	12.50	151	DE104-12500	DE105-12500
12.60	101	12.60	151	DE104-12600	DE105-12600
12.70	101	12.70	151	DE104-12700	DE105-12700
12.80	101	12.80	151	DE104-12800	DE105-12800
12.90	101	12.90	151	DE104-12900	DE105-12900
13.00	101	13.00	151	DE104-13000	DE105-13000
13.10	101	13.10	151	DE104-13100	DE105-13100
13.20	101	13.20	151	DE104-13200	DE105-13200
13.30	108	13.30	160	DE104-13300	DE105-13300
13.40	108	13.40	160	DE104-13400	DE105-13400

尺寸公差				DE104	DE105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE104	DE105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.50	108	13.50	160	DE104-13500	DE105-13500
13.60	108	13.60	160	DE104-13600	DE105-13600
13.70	108	13.70	160	DE104-13700	DE105-13700
13.80	108	13.80	160	DE104-13800	DE105-13800
13.90	108	13.90	160	DE104-13900	DE105-13900
14.00	108	14.00	160	DE104-14000	DE105-14000
14.10	114	14.10	169	DE104-14100	DE105-14100
14.20	114	14.20	169	DE104-14200	DE105-14200
14.30	114	14.30	169	DE104-14300	DE105-14300
14.40	114	14.40	169	DE104-14400	DE105-14400
14.50	114	14.50	169	DE104-14500	DE105-14500
14.60	114	14.60	169	DE104-14600	DE105-14600
14.70	114	14.70	169	DE104-14700	DE105-14700
14.80	114	14.80	169	DE104-14800	DE105-14800
14.90	114	14.90	169	DE104-14900	DE105-14900
15.00	114	15.00	169	DE104-15000	DE105-15000
15.10	120	15.10	178	DE104-15100	DE105-15100
15.20	120	15.20	178	DE104-15200	DE105-15200
15.30	120	15.30	178	DE104-15300	DE105-15300
15.40	120	15.40	178	DE104-15400	DE105-15400
15.50	120	15.50	178	DE104-15500	DE105-15500
15.60	120	15.60	178	DE104-15600	DE105-15600
15.70	120	15.70	178	DE104-15700	DE105-15700
15.80	120	15.80	178	DE104-15800	DE105-15800
15.90	120	15.90	178	DE104-15900	DE105-15900
16.00	120	16.00	178	DE104-16000	DE105-16000
16.10	125	16.10	184	DE104-16100	DE105-16100
16.20	125	16.20	184	DE104-16200	DE105-16200
16.30	125	16.30	184	DE104-16300	DE105-16300
16.40	125	16.40	184	DE104-16400	DE105-16400
16.50	125	16.50	184	DE104-16500	DE105-16500
16.60	125	16.60	184	DE104-16600	DE105-16600
16.70	125	16.70	184	DE104-16700	DE105-16700
16.80	125	16.80	184	DE104-16800	DE105-16800
16.90	125	16.90	184	DE104-16900	DE105-16900
17.00	125	17.00	184	DE104-17000	DE105-17000
17.10	130	17.10	191	DE104-17100	DE105-17100
17.20	130	17.20	191	DE104-17200	DE105-17200
17.30	130	17.30	191	DE104-17300	DE105-17300
17.40	130	17.40	191	DE104-17400	DE105-17400
17.50	130	17.50	191	DE104-17500	DE105-17500
17.60	130	17.60	191	DE104-17600	DE105-17600
17.70	130	17.70	191	DE104-17700	DE105-17700
17.80	130	17.80	191	DE104-17800	DE105-17800
17.90	130	17.90	191	DE104-17900	DE105-17900
18.00	130	18.00	191	DE104-18000	DE105-18000
18.10	135	18.10	198	DE104-18100	DE105-18100
18.20	135	18.20	198	DE104-18200	DE105-18200
18.30	135	18.30	198	DE104-18300	DE105-18300
18.40	135	18.40	198	DE104-18400	DE105-18400
18.50	135	18.50	198	DE104-18500	DE105-18500
18.60	135	18.60	198	DE104-18600	DE105-18600
18.70	135	18.70	198	DE104-18700	DE105-18700
18.80	135	18.80	198	DE104-18800	DE105-18800
18.90	135	18.90	198	DE104-18900	DE105-18900
19.00	135	19.00	198	DE104-19000	DE105-19000
19.10	140	19.10	205	DE104-19100	DE105-19100
19.20	140	19.20	205	DE104-19200	DE105-19200
19.30	140	19.30	205	DE104-19300	DE105-19300
19.40	140	19.40	205	DE104-19400	DE105-19400
19.50	140	19.50	205	DE104-19500	DE105-19500
19.60	140	19.60	205	DE104-19600	DE105-19600
19.70	140	19.70	205	DE104-19700	DE105-19700
19.80	140	19.80	205	DE104-19800	DE105-19800
19.90	140	19.90	205	DE104-19900	DE105-19900
20.00	140	20.00	205	DE104-20000	DE105-20000

HSS
-Co8

DIN
338

0
-0.010

h8

Shank

Helix
32°

135°

高速钢直柄钻头 DIN338 通用系列
HSS Straight Shank Drill DIN338 Standard Series

- 产品优点:**
Product
Advantages:

 - 1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
 - 2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
 - 3. 采用 HSS-Co8% 材质制造, 具有更好的硬度和使用寿命, 适合机加工
 - 4. 高性能涂层显著增加使用寿命
- 1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
 - 2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
 - 3. Made of HSS-Co 8% for better hardness and service life, suitable for machine drilling.
 - 4. High-performance coating significantly extends service life.

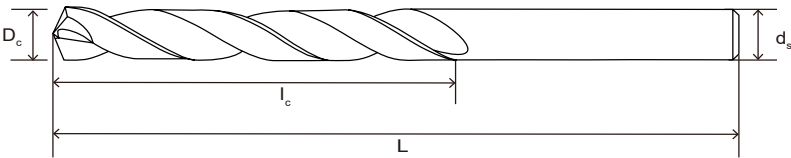
DF101 无涂层
Uncoated



DF104 镀钛涂层
TIN



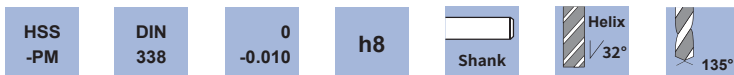
DF105 铝钛涂层
AlTiN



尺寸公差				DF101	DF104	DF105
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	L _c -mm	d _s (H8)-mm	L-mm	DF101	DF104	DF105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
3.00	33	3.00	61	DF101-03000	DF104-03000	DF105-03000
3.10	36	3.10	65	DF101-03100	DF104-03100	DF105-03100
3.20	36	3.20	65	DF101-03200	DF104-03200	DF105-03200
3.30	36	3.30	65	DF101-03300	DF104-03300	DF105-03300
3.40	39	3.40	70	DF101-03400	DF104-03400	DF105-03400
3.50	39	3.50	70	DF101-03500	DF104-03500	DF105-03500
3.60	39	3.60	70	DF101-03600	DF104-03600	DF105-03600
3.70	39	3.70	70	DF101-03700	DF104-03700	DF105-03700
3.80	43	3.80	75	DF101-03800	DF104-03800	DF105-03800
3.90	43	3.90	75	DF101-03900	DF104-03900	DF105-03900
4.00	43	4.00	75	DF101-04000	DF104-04000	DF105-04000
4.10	43	4.10	75	DF101-04100	DF104-04100	DF105-04100
4.20	43	4.20	75	DF101-04200	DF104-04200	DF105-04200
4.30	47	4.30	80	DF101-04300	DF104-04300	DF105-04300
4.40	47	4.40	80	DF101-04400	DF104-04400	DF105-04400
4.50	47	4.50	80	DF101-04500	DF104-04500	DF105-04500
4.60	47	4.60	80	DF101-04600	DF104-04600	DF105-04600
4.70	47	4.70	80	DF101-04700	DF104-04700	DF105-04700
4.80	52	4.80	86	DF101-04800	DF104-04800	DF105-04800
4.90	52	4.90	86	DF101-04900	DF104-04900	DF105-04900
5.00	52	5.00	86	DF101-05000	DF104-05000	DF105-05000
5.10	52	5.10	86	DF101-05100	DF104-05100	DF105-05100
5.20	52	5.20	86	DF101-05200	DF104-05200	DF105-05200
5.30	52	5.30	86	DF101-05300	DF104-05300	DF105-05300
5.40	57	5.40	93	DF101-05400	DF104-05400	DF105-05400
5.50	57	5.50	93	DF101-05500	DF104-05500	DF105-05500
5.60	57	5.60	93	DF101-05600	DF104-05600	DF105-05600
5.70	57	5.70	93	DF101-05700	DF104-05700	DF105-05700
5.80	57	5.80	93	DF101-05800	DF104-05800	DF105-05800
5.90	57	5.90	93	DF101-05900	DF104-05900	DF105-05900
6.00	57	6.00	93	DF101-06000	DF104-06000	DF105-06000
6.10	63	6.10	101	DF101-06100	DF104-06100	DF105-06100
6.20	63	6.20	101	DF101-06200	DF104-06200	DF105-06200
6.30	63	6.30	101	DF101-06300	DF104-06300	DF105-06300

尺寸公差				DF101	DF104	DF105
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DF101	DF104	DF105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
6.40	63	6.40	101	DF101-06400	DF104-06400	DF105-06400
6.50	63	6.50	101	DF101-06500	DF104-06500	DF105-06500
6.60	63	6.60	101	DF101-06600	DF104-06600	DF105-06600
6.70	63	6.70	101	DF101-06700	DF104-06700	DF105-06700
6.80	69	6.80	109	DF101-06800	DF104-06800	DF105-06800
6.90	69	6.90	109	DF101-06900	DF104-06900	DF105-06900
7.00	69	7.00	109	DF101-07000	DF104-07000	DF105-07000
7.10	69	7.10	109	DF101-07100	DF104-07100	DF105-07100
7.20	69	7.20	109	DF101-07200	DF104-07200	DF105-07200
7.30	69	7.30	109	DF101-07300	DF104-07300	DF105-07300
7.40	69	7.40	109	DF101-07400	DF104-07400	DF105-07400
7.50	69	7.50	109	DF101-07500	DF104-07500	DF105-07500
7.60	75	7.60	117	DF101-07600	DF104-07600	DF105-07600
7.70	75	7.70	117	DF101-07700	DF104-07700	DF105-07700
7.80	75	7.80	117	DF101-07800	DF104-07800	DF105-07800
7.90	75	7.90	117	DF101-07900	DF104-07900	DF105-07900
8.00	75	8.00	117	DF101-08000	DF104-08000	DF105-08000
8.10	75	8.10	117	DF101-08100	DF104-08100	DF105-08100
8.20	75	8.20	117	DF101-08200	DF104-08200	DF105-08200
8.30	75	8.30	117	DF101-08300	DF104-08300	DF105-08300
8.40	75	8.40	117	DF101-08400	DF104-08400	DF105-08400
8.50	75	8.50	117	DF101-08500	DF104-08500	DF105-08500
8.60	81	8.60	125	DF101-08600	DF104-08600	DF105-08600
8.70	81	8.70	125	DF101-08700	DF104-08700	DF105-08700
8.80	81	8.80	125	DF101-08800	DF104-08800	DF105-08800
8.90	81	8.90	125	DF101-08900	DF104-08900	DF105-08900
9.00	81	9.00	125	DF101-09000	DF104-09000	DF105-09000
9.10	81	9.10	125	DF101-09100	DF104-09100	DF105-09100
9.20	81	9.20	125	DF101-09200	DF104-09200	DF105-09200
9.30	81	9.30	125	DF101-09300	DF104-09300	DF105-09300
9.40	81	9.40	125	DF101-09400	DF104-09400	DF105-09400
9.50	81	9.50	125	DF101-09500	DF104-09500	DF105-09500
9.60	87	9.60	133	DF101-09600	DF104-09600	DF105-09600
9.70	87	9.70	133	DF101-09700	DF104-09700	DF105-09700
9.80	87	9.80	133	DF101-09800	DF104-09800	DF105-09800
9.90	87	9.90	133	DF101-09900	DF104-09900	DF105-09900
10.00	87	10.00	133	DF101-10000	DF104-10000	DF105-10000
10.10	87	10.10	133	DF101-10100	DF104-10100	DF105-10100
10.20	87	10.20	133	DF101-10200	DF104-10200	DF105-10200
10.30	87	10.30	133	DF101-10300	DF104-10300	DF105-10300
10.40	87	10.40	133	DF101-10400	DF104-10400	DF105-10400
10.50	87	10.50	133	DF101-10500	DF104-10500	DF105-10500
10.60	87	10.60	133	DF101-10600	DF104-10600	DF105-10600
10.70	94	10.70	142	DF101-10700	DF104-10700	DF105-10700
10.80	94	10.80	142	DF101-10800	DF104-10800	DF105-10800
10.90	94	10.90	142	DF101-10900	DF104-10900	DF105-10900
11.00	94	11.00	142	DF101-11000	DF104-11000	DF105-11000
11.10	94	11.10	142	DF101-11100	DF104-11100	DF105-11100
11.20	94	11.20	142	DF101-11200	DF104-11200	DF105-11200
11.30	94	11.30	142	DF101-11300	DF104-11300	DF105-11300
11.40	94	11.40	142	DF101-11400	DF104-11400	DF105-11400
11.50	94	11.50	142	DF101-11500	DF104-11500	DF105-11500
11.60	94	11.60	142	DF101-11600	DF104-11600	DF105-11600
11.70	94	11.70	142	DF101-11700	DF104-11700	DF105-11700
11.80	94	11.80	142	DF101-11800	DF104-11800	DF105-11800
11.90	101	11.90	151	DF101-11900	DF104-11900	DF105-11900
12.00	101	12.00	151	DF101-12000	DF104-12000	DF105-12000
12.10	101	12.10	151	DF101-12100	DF104-12100	DF105-12100
12.20	101	12.20	151	DF101-12200	DF104-12200	DF105-12200
12.30	101	12.30	151	DF101-12300	DF104-12300	DF105-12300
12.40	101	12.40	151	DF101-12400	DF104-12400	DF105-12400
12.50	101	12.50	151	DF101-12500	DF104-12500	DF105-12500
12.60	101	12.60	151	DF101-12600	DF104-12600	DF105-12600
12.70	101	12.70	151	DF101-12700	DF104-12700	DF105-12700
12.80	101	12.80	151	DF101-12800	DF104-12800	DF105-12800
12.90	101	12.90	151	DF101-12900	DF104-12900	DF105-12900
13.00	101	13.00	151	DF101-13000	DF104-13000	DF105-13000
13.10	101	13.10	151	DF101-13100	DF104-13100	DF105-13100
13.20	101	13.20	151	DF101-13200	DF104-13200	DF105-13200
13.30	108	13.30	160	DF101-13300	DF104-13300	DF105-13300
13.40	108	13.40	160	DF101-13400	DF104-13400	DF105-13400

尺寸公差				DF101	DF104	DF105
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DF101	DF104	DF105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
13.50	108	13.50	160	DF101-13500	DF104-13500	DF105-13500
13.60	108	13.60	160	DF101-13600	DF104-13600	DF105-13600
13.70	108	13.70	160	DF101-13700	DF104-13700	DF105-13700
13.80	108	13.80	160	DF101-13800	DF104-13800	DF105-13800
13.90	108	13.90	160	DF101-13900	DF104-13900	DF105-13900
14.00	108	14.00	160	DF101-14000	DF104-14000	DF105-14000
14.10	114	14.10	169	DF101-14100	DF104-14100	DF105-14100
14.20	114	14.20	169	DF101-14200	DF104-14200	DF105-14200
14.30	114	14.30	169	DF101-14300	DF104-14300	DF105-14300
14.40	114	14.40	169	DF101-14400	DF104-14400	DF105-14400
14.50	114	14.50	169	DF101-14500	DF104-14500	DF105-14500
14.60	114	14.60	169	DF101-14600	DF104-14600	DF105-14600
14.70	114	14.70	169	DF101-14700	DF104-14700	DF105-14700
14.80	114	14.80	169	DF101-14800	DF104-14800	DF105-14800
14.90	114	14.90	169	DF101-14900	DF104-14900	DF105-14900
15.00	114	15.00	169	DF101-15000	DF104-15000	DF105-15000
15.10	120	15.10	178	DF101-15100	DF104-15100	DF105-15100
15.20	120	15.20	178	DF101-15200	DF104-15200	DF105-15200
15.30	120	15.30	178	DF101-15300	DF104-15300	DF105-15300
15.40	120	15.40	178	DF101-15400	DF104-15400	DF105-15400
15.50	120	15.50	178	DF101-15500	DF104-15500	DF105-15500
15.60	120	15.60	178	DF101-15600	DF104-15600	DF105-15600
15.70	120	15.70	178	DF101-15700	DF104-15700	DF105-15700
15.80	120	15.80	178	DF101-15800	DF104-15800	DF105-15800
15.90	120	15.90	178	DF101-15900	DF104-15900	DF105-15900
16.00	120	16.00	178	DF101-16000	DF104-16000	DF105-16000
16.10	125	16.10	184	DF101-16100	DF104-16100	DF105-16100
16.20	125	16.20	184	DF101-16200	DF104-16200	DF105-16200
16.30	125	16.30	184	DF101-16300	DF104-16300	DF105-16300
16.40	125	16.40	184	DF101-16400	DF104-16400	DF105-16400
16.50	125	16.50	184	DF101-16500	DF104-16500	DF105-16500
16.60	125	16.60	184	DF101-16600	DF104-16600	DF105-16600
16.70	125	16.70	184	DF101-16700	DF104-16700	DF105-16700
16.80	125	16.80	184	DF101-16800	DF104-16800	DF105-16800
16.90	125	16.90	184	DF101-16900	DF104-16900	DF105-16900
17.00	125	17.00	184	DF101-17000	DF104-17000	DF105-17000
17.10	130	17.10	191	DF101-17100	DF104-17100	DF105-17100
17.20	130	17.20	191	DF101-17200	DF104-17200	DF105-17200
17.30	130	17.30	191	DF101-17300	DF104-17300	DF105-17300
17.40	130	17.40	191	DF101-17400	DF104-17400	DF105-17400
17.50	130	17.50	191	DF101-17500	DF104-17500	DF105-17500
17.60	130	17.60	191	DF101-17600	DF104-17600	DF105-17600
17.70	130	17.70	191	DF101-17700	DF104-17700	DF105-17700
17.80	130	17.80	191	DF101-17800	DF104-17800	DF105-17800
17.90	130	17.90	191	DF101-17900	DF104-17900	DF105-17900
18.00	130	18.00	191	DF101-18000	DF104-18000	DF105-18000
18.10	135	18.10	198	DF101-18100	DF104-18100	DF105-18100
18.20	135	18.20	198	DF101-18200	DF104-18200	DF105-18200
18.30	135	18.30	198	DF101-18300	DF104-18300	DF105-18300
18.40	135	18.40	198	DF101-18400	DF104-18400	DF105-18400
18.50	135	18.50	198	DF101-18500	DF104-18500	DF105-18500
18.60	135	18.60	198	DF101-18600	DF104-18600	DF105-18600
18.70	135	18.70	198	DF101-18700	DF104-18700	DF105-18700
18.80	135	18.80	198	DF101-18800	DF104-18800	DF105-18800
18.90	135	18.90	198	DF101-18900	DF104-18900	DF105-18900
19.00	135	19.00	198	DF101-19000	DF104-19000	DF105-19000
19.10	140	19.10	205	DF101-19100	DF104-19100	DF105-19100
19.20	140	19.20	205	DF101-19200	DF104-19200	DF105-19200
19.30	140	19.30	205	DF101-19300	DF104-19300	DF105-19300
19.40	140	19.40	205	DF101-19400	DF104-19400	DF105-19400
19.50	140	19.50	205	DF101-19500	DF104-19500	DF105-19500
19.60	140	19.60	205	DF101-19600	DF104-19600	DF105-19600
19.70	140	19.70	205	DF101-19700	DF104-19700	DF105-19700
19.80	140	19.80	205	DF101-19800	DF104-19800	DF105-19800
19.90	140	19.90	205	DF101-19900	DF104-19900	DF105-19900
20.00	140	20.00	205	DF101-20000	DF104-20000	DF105-20000



高速钢直柄钻头 DIN338 通用系列 HSS Straight Shank Drill DIN338 Standard Series

产品优点: Product Advantages:

- "1. 采用全磨工艺打磨处理，即使在圆形材料上也可确保很好的对中效果，无需再冲中心样孔
2. 刃部公差 -0.01，高精度几何参数可确保稳定的钻孔质量，同时保证长久的使用寿命
3. 采用 HSS-PM 材质制造，具有更好的硬度和使用寿命，适合机加工
4. 高性能涂层显著增加使用寿命"

- "1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Made of HSS-PM material for better hardness and service life, suitable for machine drilling.
4. High-performance coating significantly extends service life."

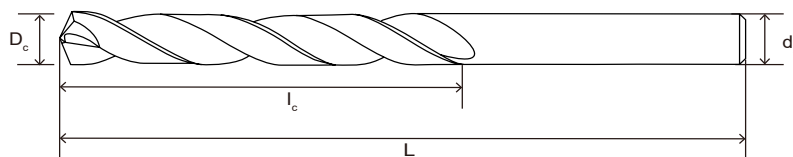
DP101

无涂层
Uncoated



DP105

铝钛涂层
AlTiN



尺寸公差				DP101	DF105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L -mm	DP101	DP105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	33	3.00	61	DP101-03000	DP105-03000
3.10	36	3.10	65	DP101-03100	DP105-03100
3.20	36	3.20	65	DP101-03200	DP105-03200
3.30	36	3.30	65	DP101-03300	DP105-03300
3.40	39	3.40	70	DP101-03400	DP105-03400
3.50	39	3.50	70	DP101-03500	DP105-03500
3.60	39	3.60	70	DP101-03600	DP105-03600
3.70	39	3.70	70	DP101-03700	DP105-03700
3.80	43	3.80	75	DP101-03800	DP105-03800
3.90	43	3.90	75	DP101-03900	DP105-03900
4.00	43	4.00	75	DP101-04000	DP105-04000
4.10	43	4.10	75	DP101-04100	DP105-04100
4.20	43	4.20	75	DP101-04200	DP105-04200
4.30	47	4.30	80	DP101-04300	DP105-04300
4.40	47	4.40	80	DP101-04400	DP105-04400
4.50	47	4.50	80	DP101-04500	DP105-04500
4.60	47	4.60	80	DP101-04600	DP105-04600
4.70	47	4.70	80	DP101-04700	DP105-04700
4.80	52	4.80	86	DP101-04800	DP105-04800
4.90	52	4.90	86	DP101-04900	DP105-04900
5.00	52	5.00	86	DP101-05000	DP105-05000
5.10	52	5.10	86	DP101-05100	DP105-05100
5.20	52	5.20	86	DP101-05200	DP105-05200
5.30	52	5.30	86	DP101-05300	DP105-05300
5.40	57	5.40	93	DP101-05400	DP105-05400
5.50	57	5.50	93	DP101-05500	DP105-05500
5.60	57	5.60	93	DP101-05600	DP105-05600
5.70	57	5.70	93	DP101-05700	DP105-05700
5.80	57	5.80	93	DP101-05800	DP105-05800
5.90	57	5.90	93	DP101-05900	DP105-05900
6.00	57	6.00	93	DP101-06000	DP105-06000
6.10	63	6.10	101	DP101-06100	DP105-06100
6.20	63	6.20	101	DP101-06200	DP105-06200

尺寸公差				DP101	DF105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L -mm	DP101	DP105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.30	63	6.30	101	DP101-06300	DP105-06300
6.40	63	6.40	101	DP101-06400	DP105-06400
6.50	63	6.50	101	DP101-06500	DP105-06500
6.60	63	6.60	101	DP101-06600	DP105-06600
6.70	63	6.70	101	DP101-06700	DP105-06700
6.80	69	6.80	109	DP101-06800	DP105-06800
6.90	69	6.90	109	DP101-06900	DP105-06900
7.00	69	7.00	109	DP101-07000	DP105-07000
7.10	69	7.10	109	DP101-07100	DP105-07100
7.20	69	7.20	109	DP101-07200	DP105-07200
7.30	69	7.30	109	DP101-07300	DP105-07300
7.40	69	7.40	109	DP101-07400	DP105-07400
7.50	69	7.50	109	DP101-07500	DP105-07500
7.60	75	7.60	117	DP101-07600	DP105-07600
7.70	75	7.70	117	DP101-07700	DP105-07700
7.80	75	7.80	117	DP101-07800	DP105-07800
7.90	75	7.90	117	DP101-07900	DP105-07900
8.00	75	8.00	117	DP101-08000	DP105-08000
8.10	75	8.10	117	DP101-08100	DP105-08100
8.20	75	8.20	117	DP101-08200	DP105-08200
8.30	75	8.30	117	DP101-08300	DP105-08300
8.40	75	8.40	117	DP101-08400	DP105-08400
8.50	75	8.50	117	DP101-08500	DP105-08500
8.60	81	8.60	125	DP101-08600	DP105-08600
8.70	81	8.70	125	DP101-08700	DP105-08700
8.80	81	8.80	125	DP101-08800	DP105-08800
8.90	81	8.90	125	DP101-08900	DP105-08900
9.00	81	9.00	125	DP101-09000	DP105-09000
9.10	81	9.10	125	DP101-09100	DP105-09100
9.20	81	9.20	125	DP101-09200	DP105-09200
9.30	81	9.30	125	DP101-09300	DP105-09300
9.40	81	9.40	125	DP101-09400	DP105-09400
9.50	81	9.50	125	DP101-09500	DP105-09500
9.60	87	9.60	133	DP101-09600	DP105-09600
9.70	87	9.70	133	DP101-09700	DP105-09700
9.80	87	9.80	133	DP101-09800	DP105-09800
9.90	87	9.90	133	DP101-09900	DP105-09900
10.00	87	10.00	133	DP101-10000	DP105-10000
10.10	87	10.10	133	DP101-10100	DP105-10100
10.20	87	10.20	133	DP101-10200	DP105-10200
10.30	87	10.30	133	DP101-10300	DP105-10300
10.40	87	10.40	133	DP101-10400	DP105-10400
10.50	87	10.50	133	DP101-10500	DP105-10500
10.60	87	10.60	133	DP101-10600	DP105-10600
10.70	94	10.70	142	DP101-10700	DP105-10700
10.80	94	10.80	142	DP101-10800	DP105-10800
10.90	94	10.90	142	DP101-10900	DP105-10900
11.00	94	11.00	142	DP101-11000	DP105-11000
11.10	94	11.10	142	DP101-11100	DP105-11100
11.20	94	11.20	142	DP101-11200	DP105-11200
11.30	94	11.30	142	DP101-11300	DP105-11300
11.40	94	11.40	142	DP101-11400	DP105-11400
11.50	94	11.50	142	DP101-11500	DP105-11500
11.60	94	11.60	142	DP101-11600	DP105-11600
11.70	94	11.70	142	DP101-11700	DP105-11700
11.80	94	11.80	142	DP101-11800	DP105-11800
11.90	101	11.90	151	DP101-11900	DP105-11900
12.00	101	12.00	151	DP101-12000	DP105-12000
12.10	101	12.10	151	DP101-12100	DP105-12100
12.20	101	12.20	151	DP101-12200	DP105-12200
12.30	101	12.30	151	DP101-12300	DP105-12300
12.40	101	12.40	151	DP101-12400	DP105-12400
12.50	101	12.50	151	DP101-12500	DP105-12500
12.60	101	12.60	151	DP101-12600	DP105-12600
12.70	101	12.70	151	DP101-12700	DP105-12700
12.80	101	12.80	151	DP101-12800	DP105-12800
12.90	101	12.90	151	DP101-12900	DP105-12900
13.00	101	13.00	151	DP101-13000	DP105-13000
13.10	101	13.10	151	DP101-13100	DP105-13100
13.20	101	13.20	151	DF101-13200	DP105-13200
13.30	108	13.30	160	DF101-13300	DP105-13300

尺寸公差				DP101	DF105
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L -mm	DP101	DP105
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.40	108	13.40	160	DP101-13400	DP105-13400
13.50	108	13.50	160	DP101-13500	DP105-13500
13.60	108	13.60	160	DP101-13600	DP105-13600
13.70	108	13.70	160	DP101-13700	DP105-13700
13.80	108	13.80	160	DP101-13800	DP105-13800
13.90	108	13.90	160	DP101-13900	DP105-13900
14.00	108	14.00	160	DP101-14000	DP105-14000
14.10	114	14.10	169	DP101-14100	DP105-14100
14.20	114	14.20	169	DP101-14200	DP105-14200
14.30	114	14.30	169	DP101-14300	DP105-14300
14.40	114	14.40	169	DP101-14400	DP105-14400
14.50	114	14.50	169	DP101-14500	DP105-14500
14.60	114	14.60	169	DP101-14600	DP105-14600
14.70	114	14.70	169	DP101-14700	DP105-14700
14.80	114	14.80	169	DP101-14800	DP105-14800
14.90	114	14.90	169	DP101-14900	DP105-14900
15.00	114	15.00	169	DP101-15000	DP105-15000
15.10	120	15.10	178	DP101-15100	DP105-15100
15.20	120	15.20	178	DP101-15200	DP105-15200
15.30	120	15.30	178	DP101-15300	DP105-15300
15.40	120	15.40	178	DP101-15400	DP105-15400
15.50	120	15.50	178	DP101-15500	DP105-15500
15.60	120	15.60	178	DP101-15600	DP105-15600
15.70	120	15.70	178	DP101-15700	DP105-15700
15.80	120	15.80	178	DP101-15800	DP105-15800
15.90	120	15.90	178	DP101-15900	DP105-15900
16.00	120	16.00	178	DP101-16000	DP105-16000
16.10	125	16.10	184	DP101-16100	DP105-16100
16.20	125	16.20	184	DP101-16200	DP105-16200
16.30	125	16.30	184	DP101-16300	DP105-16300
16.40	125	16.40	184	DP101-16400	DP105-16400
16.50	125	16.50	184	DP101-16500	DP105-16500
16.60	125	16.60	184	DP101-16600	DP105-16600
16.70	125	16.70	184	DP101-16700	DP105-16700
16.80	125	16.80	184	DP101-16800	DP105-16800
16.90	125	16.90	184	DP101-16900	DP105-16900
17.00	125	17.00	184	DP101-17000	DP105-17000
17.10	130	17.10	191	DP101-17100	DP105-17100
17.20	130	17.20	191	DP101-17200	DP105-17200
17.30	130	17.30	191	DP101-17300	DP105-17300
17.40	130	17.40	191	DP101-17400	DP105-17400
17.50	130	17.50	191	DP101-17500	DP105-17500
17.60	130	17.60	191	DP101-17600	DP105-17600
17.70	130	17.70	191	DP101-17700	DP105-17700
17.80	130	17.80	191	DP101-17800	DP105-17800
17.90	130	17.90	191	DP101-17900	DP105-17900
18.00	130	18.00	191	DP101-18000	DP105-18000
18.10	135	18.10	198	DP101-18100	DP105-18100
18.20	135	18.20	198	DP101-18200	DP105-18200
18.30	135	18.30	198	DP101-18300	DP105-18300
18.40	135	18.40	198	DP101-18400	DP105-18400
18.50	135	18.50	198	DP101-18500	DP105-18500
18.60	135	18.60	198	DP101-18600	DP105-18600
18.70	135	18.70	198	DP101-18700	DP105-18700
18.80	135	18.80	198	DP101-18800	DP105-18800
18.90	135	18.90	198	DP101-18900	DP105-18900
19.00	135	19.00	198	DP101-19000	DP105-19000
19.10	140	19.10	205	DP101-19100	DP105-19100
19.20	140	19.20	205	DP101-19200	DP105-19200
19.30	140	19.30	205	DP101-19300	DP105-19300
19.40	140	19.40	205	DP101-19400	DP105-19400
19.50	140	19.50	205	DP101-19500	DP105-19500
19.60	140	19.60	205	DP101-19600	DP105-19600
19.70	140	19.70	205	DP101-19700	DP105-19700
19.80	140	19.80	205	DP101-19800	DP105-19800
19.90	140	19.90	205	DP101-19900	DP105-19900
20.00	140	20.00	205	DP101-20000	DP105-20000

HSS

DIN
338

0
-0.010

h8

Shank

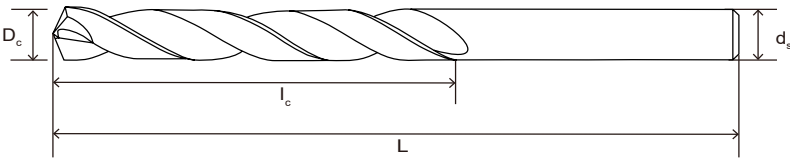
Helix
32°

118°

高速钢直柄钻头 DIN338 通用系列，左旋
HSS Straight Shank Drill DIN338 Standard Series, Left Handed

- 产品优点：
Product
Advantages:

 - 1. 采用全磨工艺打磨处理
 - 2. 刃部公差 -0.02，高精度几何参数可确保稳定的钻孔质量，同时保证长久的使用寿命
 - 3. 钻头为左旋
- 1. Full grinding process.
 - 2. Edge tolerance of -0.02; high-precision geometric parameters ensure stable drilling quality and long service life.
 - 3. Left-hand spiral drill bit.



尺寸公差				DH101-L	DH104-L
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.02)-mm	l _c -mm	d _s (H8)-mm	L-mm	DF101-L	DH104-L
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	33	3.00	61	DH101-03000-L	DH104-03000-L
3.10	36	3.10	65	DH101-03100-L	DH104-03100-L
3.20	36	3.20	65	DH101-03200-L	DH104-03200-L
3.30	36	3.30	65	DH101-03300-L	DH104-03300-L
3.40	39	3.40	70	DH101-03400-L	DH104-03400-L
3.50	39	3.50	70	DH101-03500-L	DH104-03500-L
3.60	39	3.60	70	DH101-03600-L	DH104-03600-L
3.70	39	3.70	70	DH101-03700-L	DH104-03700-L
3.80	43	3.80	75	DH101-03800-L	DH104-03800-L
3.90	43	3.90	75	DH101-03900-L	DH104-03900-L
4.00	43	4.00	75	DH101-04000-L	DH104-04000-L
4.10	43	4.10	75	DH101-04100-L	DH104-04100-L
4.20	43	4.20	75	DH101-04200-L	DH104-04200-L
4.30	47	4.30	80	DH101-04300-L	DH104-04300-L
4.40	47	4.40	80	DH101-04400-L	DH104-04400-L
4.50	47	4.50	80	DH101-04500-L	DH104-04500-L
4.60	47	4.60	80	DH101-04600-L	DH104-04600-L
4.70	47	4.70	80	DH101-04700-L	DH104-04700-L
4.80	52	4.80	86	DH101-04800-L	DH104-04800-L
4.90	52	4.90	86	DH101-04900-L	DH104-04900-L
5.00	52	5.00	86	DH101-05000-L	DH104-05000-L
5.10	52	5.10	86	DH101-05100-L	DH104-05100-L
5.20	52	5.20	86	DH101-05200-L	DH104-05200-L
5.30	52	5.30	86	DH101-05300-L	DH104-05300-L
5.40	57	5.40	93	DH101-05400-L	DH104-05400-L
5.50	57	5.50	93	DH101-05500-L	DH104-05500-L
5.60	57	5.60	93	DH101-05600-L	DH104-05600-L
5.70	57	5.70	93	DH101-05700-L	DH104-05700-L
5.80	57	5.80	93	DH101-05800-L	DH104-05800-L
5.90	57	5.90	93	DH101-05900-L	DH104-05900-L
6.00	57	6.00	93	DH101-06000-L	DH104-06000-L
6.10	63	6.10	101	DH101-06100-L	DH104-06100-L
6.20	63	6.20	101	DH101-06200-L	DH104-06200-L
6.30	63	6.30	101	DH101-06300-L	DH104-06300-L

尺寸公差				DH101-L	DH104-L
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.02)-mm	l _c -mm	d _s (H8)-mm	L-mm	DF101-L	DH104-L
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.40	63	6.40	101	DH101-06400-L	DH104-06400-L
6.50	63	6.50	101	DH101-06500-L	DH104-06500-L
6.60	63	6.60	101	DH101-06600-L	DH104-06600-L
6.70	63	6.70	101	DH101-06700-L	DH104-06700-L
6.80	69	6.80	109	DH101-06800-L	DH104-06800-L
6.90	69	6.90	109	DH101-06900-L	DH104-06900-L
7.00	69	7.00	109	DH101-07000-L	DH104-07000-L
7.10	69	7.10	109	DH101-07100-L	DH104-07100-L
7.20	69	7.20	109	DH101-07200-L	DH104-07200-L
7.30	69	7.30	109	DH101-07300-L	DH104-07300-L
7.40	69	7.40	109	DH101-07400-L	DH104-07400-L
7.50	69	7.50	109	DH101-07500-L	DH104-07500-L
7.60	75	7.60	117	DH101-07600-L	DH104-07600-L
7.70	75	7.70	117	DH101-07700-L	DH104-07700-L
7.80	75	7.80	117	DH101-07800-L	DH104-07800-L
7.90	75	7.90	117	DH101-07900-L	DH104-07900-L
8.00	75	8.00	117	DH101-08000-L	DH104-08000-L
8.10	75	8.10	117	DH101-08100-L	DH104-08100-L
8.20	75	8.20	117	DH101-08200-L	DH104-08200-L
8.30	75	8.30	117	DH101-08300-L	DH104-08300-L
8.40	75	8.40	117	DH101-08400-L	DH104-08400-L
8.50	75	8.50	117	DH101-08500-L	DH104-08500-L
8.60	81	8.60	125	DH101-08600-L	DH104-08600-L
8.70	81	8.70	125	DH101-08700-L	DH104-08700-L
8.80	81	8.80	125	DH101-08800-L	DH104-08800-L
8.90	81	8.90	125	DH101-08900-L	DH104-08900-L
9.00	81	9.00	125	DH101-09000-L	DH104-09000-L
9.10	81	9.10	125	DH101-09100-L	DH104-09100-L
9.20	81	9.20	125	DH101-09200-L	DH104-09200-L
9.30	81	9.30	125	DH101-09300-L	DH104-09300-L
9.40	81	9.40	125	DH101-09400-L	DH104-09400-L
9.50	81	9.50	125	DH101-09500-L	DH104-09500-L
9.60	87	9.60	133	DH101-09600-L	DH104-09600-L
9.70	87	9.70	133	DH101-09700-L	DH104-09700-L
9.80	87	9.80	133	DH101-09800-L	DH104-09800-L
9.90	87	9.90	133	DH101-09900-L	DH104-09900-L
10.00	87	10.00	133	DH101-10000-L	DH104-10000-L
10.10	87	10.10	133	DH101-10100-L	DH104-10100-L
10.20	87	10.20	133	DH101-10200-L	DH104-10200-L
10.30	87	10.30	133	DH101-10300-L	DH104-10300-L
10.40	87	10.40	133	DH101-10400-L	DH104-10400-L
10.50	87	10.50	133	DH101-10500-L	DH104-10500-L
10.60	87	10.60	133	DH101-10600-L	DH104-10600-L
10.70	94	10.70	142	DH101-10700-L	DH104-10700-L
10.80	94	10.80	142	DH101-10800-L	DH104-10800-L
10.90	94	10.90	142	DH101-10900-L	DH104-10900-L
11.00	94	11.00	142	DH101-11000-L	DH104-11000-L
11.10	94	11.10	142	DH101-11100-L	DH104-11100-L
11.20	94	11.20	142	DH101-11200-L	DH104-11200-L
11.30	94	11.30	142	DH101-11300-L	DH104-11300-L
11.40	94	11.40	142	DH101-11400-L	DH104-11400-L
11.50	94	11.50	142	DH101-11500-L	DH104-11500-L
11.60	94	11.60	142	DH101-11600-L	DH104-11600-L
11.70	94	11.70	142	DH101-11700-L	DH104-11700-L
11.80	94	11.80	142	DH101-11800-L	DH104-11800-L
11.90	101	11.90	151	DH101-11900-L	DH104-11900-L
12.00	101	12.00	151	DH101-12000-L	DH104-12000-L
12.10	101	12.10	151	DH101-12100-L	DH104-12100-L
12.20	101	12.20	151	DH101-12200-L	DH104-12200-L
12.30	101	12.30	151	DH101-12300-L	DH104-12300-L
12.40	101	12.40	151	DH101-12400-L	DH104-12400-L
12.50	101	12.50	151	DH101-12500-L	DH104-12500-L
12.60	101	12.60	151	DH101-12600-L	DH104-12600-L
12.70	101	12.70	151	DH101-12700-L	DH104-12700-L
12.80	101	12.80	151	DH101-12800-L	DH104-12800-L
12.90	101	12.90	151	DH101-12900-L	DH104-12900-L
13.00	101	13.00	151	DH101-13000-L	DH104-13000-L
13.10	101	13.10	151	DH101-13100-L	DH104-13100-L
13.20	101	13.20	151	DH101-13200-L	DH104-13200-L
13.30	108	13.30	160	DH101-13300-L	DH104-13300-L
13.40	108	13.40	160	DH101-13400-L	DH104-13400-L

尺寸公差				DH101-L	DH104-L
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.02)-mm	l _c -mm	d _s (H8)-mm	L-mm	DF101-L	DH104-L
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.50	108	13.50	160	DH101-13500-L	DH104-13500-L
13.60	108	13.60	160	DH101-13600-L	DH104-13600-L
13.70	108	13.70	160	DH101-13700-L	DH104-13700-L
13.80	108	13.80	160	DH101-13800-L	DH104-13800-L
13.90	108	13.90	160	DH101-13900-L	DH104-13900-L
14.00	108	14.00	160	DH101-14000-L	DH104-14000-L
14.10	114	14.10	169	DH101-14100-L	DH104-14100-L
14.20	114	14.20	169	DH101-14200-L	DH104-14200-L
14.30	114	14.30	169	DH101-14300-L	DH104-14300-L
14.40	114	14.40	169	DH101-14400-L	DH104-14400-L
14.50	114	14.50	169	DH101-14500-L	DH104-14500-L
14.60	114	14.60	169	DH101-14600-L	DH104-14600-L
14.70	114	14.70	169	DH101-14700-L	DH104-14700-L
14.80	114	14.80	169	DH101-14800-L	DH104-14800-L
14.90	114	14.90	169	DH101-14900-L	DH104-14900-L
15.00	114	15.00	169	DH101-15000-L	DH104-15000-L
15.10	120	15.10	178	DH101-15100-L	DH104-15100-L
15.20	120	15.20	178	DH101-15200-L	DH104-15200-L
15.30	120	15.30	178	DH101-15300-L	DH104-15300-L
15.40	120	15.40	178	DH101-15400-L	DH104-15400-L
15.50	120	15.50	178	DH101-15500-L	DH104-15500-L
15.60	120	15.60	178	DH101-15600-L	DH104-15600-L
15.70	120	15.70	178	DH101-15700-L	DH104-15700-L
15.80	120	15.80	178	DH101-15800-L	DH104-15800-L
15.90	120	15.90	178	DH101-15900-L	DH104-15900-L
16.00	120	16.00	178	DH101-16000-L	DH104-16000-L
16.10	125	16.10	184	DH101-16100-L	DH104-16100-L
16.20	125	16.20	184	DH101-16200-L	DH104-16200-L
16.30	125	16.30	184	DH101-16300-L	DH104-16300-L
16.40	125	16.40	184	DH101-16400-L	DH104-16400-L
16.50	125	16.50	184	DH101-16500-L	DH104-16500-L
16.60	125	16.60	184	DH101-16600-L	DH104-16600-L
16.70	125	16.70	184	DH101-16700-L	DH104-16700-L
16.80	125	16.80	184	DH101-16800-L	DH104-16800-L
16.90	125	16.90	184	DH101-16900-L	DH104-16900-L
17.00	125	17.00	184	DH101-17000-L	DH104-17000-L
17.10	130	17.10	191	DH101-17100-L	DH104-17100-L
17.20	130	17.20	191	DH101-17200-L	DH104-17200-L
17.30	130	17.30	191	DH101-17300-L	DH104-17300-L
17.40	130	17.40	191	DH101-17400-L	DH104-17400-L
17.50	130	17.50	191	DH101-17500-L	DH104-17500-L
17.60	130	17.60	191	DH101-17600-L	DH104-17600-L
17.70	130	17.70	191	DH101-17700-L	DH104-17700-L
17.80	130	17.80	191	DH101-17800-L	DH104-17800-L
17.90	130	17.90	191	DH101-17900-L	DH104-17900-L
18.00	130	18.00	191	DH101-18000-L	DH104-18000-L
18.10	135	18.10	198	DH101-18100-L	DH104-18100-L
18.20	135	18.20	198	DH101-18200-L	DH104-18200-L
18.30	135	18.30	198	DH101-18300-L	DH104-18300-L
18.40	135	18.40	198	DH101-18400-L	DH104-18400-L
18.50	135	18.50	198	DH101-18500-L	DH104-18500-L
18.60	135	18.60	198	DH101-18600-L	DH104-18600-L
18.70	135	18.70	198	DH101-18700-L	DH104-18700-L
18.80	135	18.80	198	DH101-18800-L	DH104-18800-L
18.90	135	18.90	198	DH101-18900-L	DH104-18900-L
19.00	135	19.00	198	DH101-19000-L	DH104-19000-L
19.10	140	19.10	205	DH101-19100-L	DH104-19100-L
19.20	140	19.20	205	DH101-19200-L	DH104-19200-L
19.30	140	19.30	205	DH101-19300-L	DH104-19300-L
19.40	140	19.40	205	DH101-19400-L	DH104-19400-L
19.50	140	19.50	205	DH101-19500-L	DH104-19500-L
19.60	140	19.60	205	DH101-19600-L	DH104-19600-L
19.70	140	19.70	205	DH101-19700-L	DH104-19700-L
19.80	140	19.80	205	DH101-19800-L	DH104-19800-L
19.90	140	19.90	205	DH101-19900-L	DH104-19900-L
20.00	140	20.00	205	DH101-20000-L	DH104-20000-L



高速钢直柄钻头 DIN340 通用加长系列 HSS Straight Shank Drill DIN338 Standard Series

产品优点: Product Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 机加工, 手电钻加工通用, 具有较高的性价比

1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Suitable for both machine drilling and hand-held electric drilling, offering high cost-performance.

DH111

无涂层
Uncoated



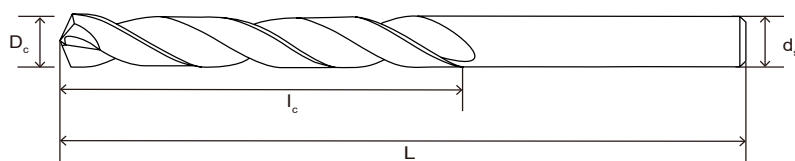
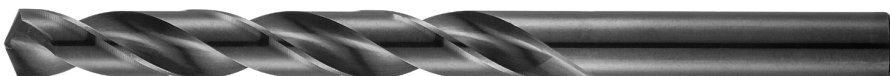
DH112

烤黄工艺
Baking process



DH113

渗氮工艺
Nitriding process



尺寸公差				DH111	DH112	DH113
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D_c (-0.01)-mm	L_c -mm	d_s (H8)-mm	L-mm	DH111	DH112	DH113
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
3.00	66	3.00	100	DH111-03000	DH112-03000	DH113-03000
3.10	69	3.10	106	DH111-03100	DH112-03100	DH113-03100
3.20	69	3.20	106	DH111-03200	DH112-03200	DH113-03200
3.30	69	3.30	106	DH111-03300	DH112-03300	DH113-03300
3.40	73	3.40	112	DH111-03400	DH112-03400	DH113-03400
3.50	73	3.50	112	DH111-03500	DH112-03500	DH113-03500
3.60	73	3.60	112	DH111-03600	DH112-03600	DH113-03600
3.70	73	3.70	112	DH111-03700	DH112-03700	DH113-03700
3.80	78	3.80	119	DH111-03800	DH112-03800	DH113-03800
3.90	78	3.90	119	DH111-03900	DH112-03900	DH113-03900
4.00	78	4.00	119	DH111-04000	DH112-04000	DH113-04000
4.10	78	4.10	119	DH111-04100	DH112-04100	DH113-04100
4.20	78	4.20	119	DH111-04200	DH112-04200	DH113-04200
4.30	82	4.30	126	DH111-04300	DH112-04300	DH113-04300
4.40	82	4.40	126	DH111-04400	DH112-04400	DH113-04400
4.50	82	4.50	126	DH111-04500	DH112-04500	DH113-04500
4.60	82	4.60	126	DH111-04600	DH112-04600	DH113-04600
4.70	82	4.70	126	DH111-04700	DH112-04700	DH113-04700
4.80	87	4.80	132	DH111-04800	DH112-04800	DH113-04800
4.90	87	4.90	132	DH111-04900	DH112-04900	DH113-04900
5.00	87	5.00	132	DH111-05000	DH112-05000	DH113-05000
5.10	87	5.10	132	DH111-05100	DH112-05100	DH113-05100
5.20	87	5.20	132	DH111-05200	DH112-05200	DH113-05200
5.30	87	5.30	132	DH111-05300	DH112-05300	DH113-05300
5.40	91	5.40	139	DH111-05400	DH112-05400	DH113-05400
5.50	91	5.50	139	DH111-05500	DH112-05500	DH113-05500
5.60	91	5.60	139	DH111-05600	DH112-05600	DH113-05600
5.70	91	5.70	139	DH111-05700	DH112-05700	DH113-05700
5.80	91	5.80	139	DH111-05800	DH112-05800	DH113-05800
5.90	91	5.90	139	DH111-05900	DH112-05900	DH113-05900
6.00	91	6.00	139	DH111-06000	DH112-06000	DH113-06000
6.10	97	6.10	148	DH111-06100	DH112-06100	DH113-06100
6.20	97	6.20	148	DH111-06200	DH112-06200	DH113-06200
6.30	97	6.30	148	DH111-06300	DH112-06300	DH113-06300

尺寸公差				DH111	DH112	DH113
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH111	DH112	DH113
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
6.40	97	6.40	148	DH111-06400	DH112-06400	DH113-06400
6.50	97	6.50	148	DH111-06500	DH112-06500	DH113-06500
6.60	97	6.60	148	DH111-06600	DH112-06600	DH113-06600
6.70	97	6.70	148	DH111-06700	DH112-06700	DH113-06700
6.80	102	6.80	156	DH111-06800	DH112-06800	DH113-06800
6.90	102	6.90	156	DH111-06900	DH112-06900	DH113-06900
7.00	102	7.00	156	DH111-07000	DH112-07000	DH113-07000
7.10	102	7.10	156	DH111-07100	DH112-07100	DH113-07100
7.20	102	7.20	156	DH111-07200	DH112-07200	DH113-07200
7.30	102	7.30	156	DH111-07300	DH112-07300	DH113-07300
7.40	102	7.40	156	DH111-07400	DH112-07400	DH113-07400
7.50	102	7.50	156	DH111-07500	DH112-07500	DH113-07500
7.60	109	7.60	165	DH111-07600	DH112-07600	DH113-07600
7.70	109	7.70	165	DH111-07700	DH112-07700	DH113-07700
7.80	109	7.80	165	DH111-07800	DH112-07800	DH113-07800
7.90	109	7.90	165	DH111-07900	DH112-07900	DH113-07900
8.00	109	8.00	165	DH111-08000	DH112-08000	DH113-08000
8.10	109	8.10	165	DH111-08100	DH112-08100	DH113-08100
8.20	109	8.20	165	DH111-08200	DH112-08200	DH113-08200
8.30	109	8.30	165	DH111-08300	DH112-08300	DH113-08300
8.40	109	8.40	165	DH111-08400	DH112-08400	DH113-08400
8.50	109	8.50	165	DH111-08500	DH112-08500	DH113-08500
8.60	115	8.60	175	DH111-08600	DH112-08600	DH113-08600
8.70	115	8.70	175	DH111-08700	DH112-08700	DH113-08700
8.80	115	8.80	175	DH111-08800	DH112-08800	DH113-08800
8.90	115	8.90	175	DH111-08900	DH112-08900	DH113-08900
9.00	115	9.00	175	DH111-09000	DH112-09000	DH113-09000
9.10	115	9.10	175	DH111-09100	DH112-09100	DH113-09100
9.20	115	9.20	175	DH111-09200	DH112-09200	DH113-09200
9.30	115	9.30	175	DH111-09300	DH112-09300	DH113-09300
9.40	115	9.40	175	DH111-09400	DH112-09400	DH113-09400
9.50	115	9.50	175	DH111-09500	DH112-09500	DH113-09500
9.60	121	9.60	184	DH111-09600	DH112-09600	DH113-09600
9.70	121	9.70	184	DH111-09700	DH112-09700	DH113-09700
9.80	121	9.80	184	DH111-09800	DH112-09800	DH113-09800
9.90	121	9.90	184	DH111-09900	DH112-09900	DH113-09900
10.00	121	10.00	184	DH111-10000	DH112-10000	DH113-10000
10.10	121	10.10	184	DH111-10100	DH112-10100	DH113-10100
10.20	121	10.20	184	DH111-10200	DH112-10200	DH113-10200
10.30	121	10.30	184	DH111-10300	DH112-10300	DH113-10300
10.40	121	10.40	184	DH111-10400	DH112-10400	DH113-10400
10.50	121	10.50	184	DH111-10500	DH112-10500	DH113-10500
10.60	121	10.60	184	DH111-10600	DH112-10600	DH113-10600
10.70	128	10.70	195	DH111-10700	DH112-10700	DH113-10700
10.80	128	10.80	195	DH111-10800	DH112-10800	DH113-10800
10.90	128	10.90	195	DH111-10900	DH112-10900	DH113-10900
11.00	128	11.00	195	DH111-11000	DH112-11000	DH113-11000
11.10	128	11.10	195	DH111-11100	DH112-11100	DH113-11100
11.20	128	11.20	195	DH111-11200	DH112-11200	DH113-11200
11.30	128	11.30	195	DH111-11300	DH112-11300	DH113-11300
11.40	128	11.40	195	DH111-11400	DH112-11400	DH113-11400
11.50	128	11.50	195	DH111-11500	DH112-11500	DH113-11500
11.60	128	11.60	195	DH111-11600	DH112-11600	DH113-11600
11.70	128	11.70	195	DH111-11700	DH112-11700	DH113-11700
11.80	128	11.80	195	DH111-11800	DH112-11800	DH113-11800
11.90	134	11.90	205	DH111-11900	DH112-11900	DH113-11900
12.00	134	12.00	205	DH111-12000	DH112-12000	DH113-12000
12.10	134	12.10	205	DH111-12100	DH112-12100	DH113-12100
12.20	134	12.20	205	DH111-12200	DH112-12200	DH113-12200
12.30	134	12.30	205	DH111-12300	DH112-12300	DH113-12300
12.40	134	12.40	205	DH111-12400	DH112-12400	DH113-12400
12.50	134	12.50	205	DH111-12500	DH112-12500	DH113-12500
12.60	134	12.60	205	DH111-12600	DH112-12600	DH113-12600
12.70	134	12.70	205	DH111-12700	DH112-12700	DH113-12700
12.80	134	12.80	205	DH111-12800	DH112-12800	DH113-12800
12.90	134	12.90	205	DH111-12900	DH112-12900	DH113-12900
13.00	134	13.00	205	DH111-13000	DH112-13000	DH113-13000
13.10	134	13.10	205	DH111-13100	DH112-13100	DH113-13100
13.20	134	13.20	205	DH111-13200	DH112-13200	DH113-13200
13.30	140	13.30	214	DH111-13300	DH112-13300	DH113-13300
13.40	140	13.40	214	DH111-13400	DH112-13400	DH113-13400

尺寸公差				DH111	DH112	DH113
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH111	DH112	DH113
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
13.50	140	13.50	214	DH111-13500	DH112-13500	DH113-13500
13.60	140	13.60	214	DH111-13600	DH112-13600	DH113-13600
13.70	140	13.70	214	DH111-13700	DH112-13700	DH113-13700
13.80	140	13.80	214	DH111-13800	DH112-13800	DH113-13800
13.90	140	13.90	214	DH111-13900	DH112-13900	DH113-13900
14.00	140	14.00	214	DH111-14000	DH112-14000	DH113-14000
14.10	144	14.10	220	DH111-14100	DH112-14100	DH113-14100
14.20	144	14.20	220	DH111-14200	DH112-14200	DH113-14200
14.30	144	14.30	220	DH111-14300	DH112-14300	DH113-14300
14.40	144	14.40	220	DH111-14400	DH112-14400	DH113-14400
14.50	144	14.50	220	DH111-14500	DH112-14500	DH113-14500
14.60	144	14.60	220	DH111-14600	DH112-14600	DH113-14600
14.70	144	14.70	220	DH111-14700	DH112-14700	DH113-14700
14.80	144	14.80	220	DH111-14800	DH112-14800	DH113-14800
14.90	144	14.90	220	DH111-14900	DH112-14900	DH113-14900
15.00	144	15.00	220	DH111-15000	DH112-15000	DH113-15000
15.10	149	15.10	227	DH111-15100	DH112-15100	DH113-15100
15.20	149	15.20	227	DH111-15200	DH112-15200	DH113-15200
15.30	149	15.30	227	DH111-15300	DH112-15300	DH113-15300
15.40	149	15.40	227	DH111-15400	DH112-15400	DH113-15400
15.50	149	15.50	227	DH111-15500	DH112-15500	DH113-15500
15.60	149	15.60	227	DH111-15600	DH112-15600	DH113-15600
15.70	149	15.70	227	DH111-15700	DH112-15700	DH113-15700
15.80	149	15.80	227	DH111-15800	DH112-15800	DH113-15800
15.90	149	15.90	227	DH111-15900	DH112-15900	DH113-15900
16.00	149	16.00	227	DH111-16000	DH112-16000	DH113-16000
16.10	154	16.10	235	DH111-16100	DH112-16100	DH113-16100
16.20	154	16.20	235	DH111-16200	DH112-16200	DH113-16200
16.30	154	16.30	235	DH111-16300	DH112-16300	DH113-16300
16.40	154	16.40	235	DH111-16400	DH112-16400	DH113-16400
16.50	154	16.50	235	DH111-16500	DH112-16500	DH113-16500
16.60	154	16.60	235	DH111-16600	DH112-16600	DH113-16600
16.70	154	16.70	235	DH111-16700	DH112-16700	DH113-16700
16.80	154	16.80	235	DH111-16800	DH112-16800	DH113-16800
16.90	154	16.90	235	DH111-16900	DH112-16900	DH113-16900
17.00	154	17.00	235	DH111-17000	DH112-17000	DH113-17000
17.10	158	17.10	241	DH111-17100	DH112-17100	DH113-17100
17.20	158	17.20	241	DH111-17200	DH112-17200	DH113-17200
17.30	158	17.30	241	DH111-17300	DH112-17300	DH113-17300
17.40	158	17.40	241	DH111-17400	DH112-17400	DH113-17400
17.50	158	17.50	241	DH111-17500	DH112-17500	DH113-17500
17.60	158	17.60	241	DH111-17600	DH112-17600	DH113-17600
17.70	158	17.70	241	DH111-17700	DH112-17700	DH113-17700
17.80	158	17.80	241	DH111-17800	DH112-17800	DH113-17800
17.90	158	17.90	241	DH111-17900	DH112-17900	DH113-17900
18.00	158	18.00	241	DH111-18000	DH112-18000	DH113-18000
18.10	162	18.10	247	DH111-18100	DH112-18100	DH113-18100
18.20	162	18.20	247	DH111-18200	DH112-18200	DH113-18200
18.30	162	18.30	247	DH111-18300	DH112-18300	DH113-18300
18.40	162	18.40	247	DH111-18400	DH112-18400	DH113-18400
18.50	162	18.50	247	DH111-18500	DH112-18500	DH113-18500
18.60	162	18.60	247	DH111-18600	DH112-18600	DH113-18600
18.70	162	18.70	247	DH111-18700	DH112-18700	DH113-18700
18.80	162	18.80	247	DH111-18800	DH112-18800	DH113-18800
18.90	162	18.90	247	DH111-18900	DH112-18900	DH113-18900
19.00	162	19.00	247	DH111-19000	DH112-19000	DH113-19000
19.10	166	19.10	254	DH111-19100	DH112-19100	DH113-19100
19.20	166	19.20	254	DH111-19200	DH112-19200	DH113-19200
19.30	166	19.30	254	DH111-19300	DH112-19300	DH113-19300
19.40	166	19.40	254	DH111-19400	DH112-19400	DH113-19400
19.50	166	19.50	254	DH111-19500	DH112-19500	DH113-19500
19.60	166	19.60	254	DH111-19600	DH112-19600	DH113-19600
19.70	166	19.70	254	DH111-19700	DH112-19700	DH113-19700
19.80	166	19.80	254	DH111-19800	DH112-19800	DH113-19800
19.90	166	19.90	254	DH111-19900	DH112-19900	DH113-19900
20.00	166	20.00	254	DH111-20000	DH112-20000	DH113-20000



高速钢直柄钻头 DIN340 通用系列
HSS Straight Shank Drill DIN338 Standard Series

产品优点:
Product
Advantages:

- 1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
- 2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
- 3. 机加工, 手电钻加工通用, 具有较高的性价比
- 4. 高性能涂层显著增加使用寿命

- 1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
- 2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
- 3. Suitable for both machine drilling and hand-held electric drilling, offering high cost-performance.
- 4. High-performance coating significantly extends service life.

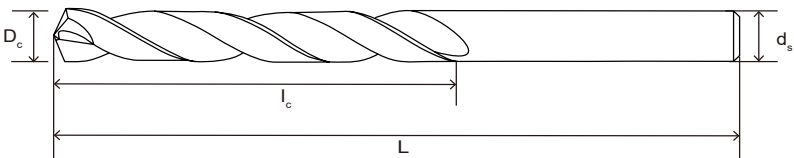
DH114

镀钛涂层
TIN



DH115

铝钛涂层
AlTiN



尺寸公差				DH114	DH115
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH114	DH115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	66	3.00	100	DH114-03000	DH115-03000
3.10	69	3.10	106	DH114-03100	DH115-03100
3.20	69	3.20	106	DH114-03200	DH115-03200
3.30	69	3.30	106	DH114-03300	DH115-03300
3.40	73	3.40	112	DH114-03400	DH115-03400
3.50	73	3.50	112	DH114-03500	DH115-03500
3.60	73	3.60	112	DH114-03600	DH115-03600
3.70	73	3.70	112	DH114-03700	DH115-03700
3.80	78	3.80	119	DH114-03800	DH115-03800
3.90	78	3.90	119	DH114-03900	DH115-03900
4.00	78	4.00	119	DH114-04000	DH115-04000
4.10	78	4.10	119	DH114-04100	DH115-04100
4.20	78	4.20	119	DH114-04200	DH115-04200
4.30	82	4.30	126	DH114-04300	DH115-04300
4.40	82	4.40	126	DH114-04400	DH115-04400
4.50	82	4.50	126	DH114-04500	DH115-04500
4.60	82	4.60	126	DH114-04600	DH115-04600
4.70	82	4.70	126	DH114-04700	DH115-04700
4.80	87	4.80	132	DH114-04800	DH115-04800
4.90	87	4.90	132	DH114-04900	DH115-04900
5.00	87	5.00	132	DH114-05000	DH115-05000
5.10	87	5.10	132	DH114-05100	DH115-05100
5.20	87	5.20	132	DH114-05200	DH115-05200
5.30	87	5.30	132	DH114-05300	DH115-05300
5.40	91	5.40	139	DH114-05400	DH115-05400
5.50	91	5.50	139	DH114-05500	DH115-05500
5.60	91	5.60	139	DH114-05600	DH115-05600
5.70	91	5.70	139	DH114-05700	DH115-05700
5.80	91	5.80	139	DH114-05800	DH115-05800
5.90	91	5.90	139	DH114-05900	DH115-05900
6.00	91	6.00	139	DH114-06000	DH115-06000
6.10	97	6.10	148	DH114-06100	DH115-06100
6.20	97	6.20	148	DH114-06200	DH115-06200
6.30	97	6.30	148	DH114-06300	DH115-06300

尺寸公差				DH114	DH115
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH114	DH115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.40	97	6.40	148	DH114-06400	DH115-06400
6.50	97	6.50	148	DH114-06500	DH115-06500
6.60	97	6.60	148	DH114-06600	DH115-06600
6.70	97	6.70	148	DH114-06700	DH115-06700
6.80	102	6.80	156	DH114-06800	DH115-06800
6.90	102	6.90	156	DH114-06900	DH115-06900
7.00	102	7.00	156	DH114-07000	DH115-07000
7.10	102	7.10	156	DH114-07100	DH115-07100
7.20	102	7.20	156	DH114-07200	DH115-07200
7.30	102	7.30	156	DH114-07300	DH115-07300
7.40	102	7.40	156	DH114-07400	DH115-07400
7.50	102	7.50	156	DH114-07500	DH115-07500
7.60	109	7.60	165	DH114-07600	DH115-07600
7.70	109	7.70	165	DH114-07700	DH115-07700
7.80	109	7.80	165	DH114-07800	DH115-07800
7.90	109	7.90	165	DH114-07900	DH115-07900
8.00	109	8.00	165	DH114-08000	DH115-08000
8.10	109	8.10	165	DH114-08100	DH115-08100
8.20	109	8.20	165	DH114-08200	DH115-08200
8.30	109	8.30	165	DH114-08300	DH115-08300
8.40	109	8.40	165	DH114-08400	DH115-08400
8.50	109	8.50	165	DH114-08500	DH115-08500
8.60	115	8.60	175	DH114-08600	DH115-08600
8.70	115	8.70	175	DH114-08700	DH115-08700
8.80	115	8.80	175	DH114-08800	DH115-08800
8.90	115	8.90	175	DH114-08900	DH115-08900
9.00	115	9.00	175	DH114-09000	DH115-09000
9.10	115	9.10	175	DH114-09100	DH115-09100
9.20	115	9.20	175	DH114-09200	DH115-09200
9.30	115	9.30	175	DH114-09300	DH115-09300
9.40	115	9.40	175	DH114-09400	DH115-09400
9.50	115	9.50	175	DH114-09500	DH115-09500
9.60	121	9.60	184	DH114-09600	DH115-09600
9.70	121	9.70	184	DH114-09700	DH115-09700
9.80	121	9.80	184	DH114-09800	DH115-09800
9.90	121	9.90	184	DH114-09900	DH115-09900
10.00	121	10.00	184	DH114-10000	DH115-10000
10.10	121	10.10	184	DH114-10100	DH115-10100
10.20	121	10.20	184	DH114-10200	DH115-10200
10.30	121	10.30	184	DH114-10300	DH115-10300
10.40	121	10.40	184	DH114-10400	DH115-10400
10.50	121	10.50	184	DH114-10500	DH115-10500
10.60	121	10.60	184	DH114-10600	DH115-10600
10.70	128	10.70	195	DH114-10700	DH115-10700
10.80	128	10.80	195	DH114-10800	DH115-10800
10.90	128	10.90	195	DH114-10900	DH115-10900
11.00	128	11.00	195	DH114-11000	DH115-11000
11.10	128	11.10	195	DH114-11100	DH115-11100
11.20	128	11.20	195	DH114-11200	DH115-11200
11.30	128	11.30	195	DH114-11300	DH115-11300
11.40	128	11.40	195	DH114-11400	DH115-11400
11.50	128	11.50	195	DH114-11500	DH115-11500
11.60	128	11.60	195	DH114-11600	DH115-11600
11.70	128	11.70	195	DH114-11700	DH115-11700
11.80	128	11.80	195	DH114-11800	DH115-11800
11.90	134	11.90	205	DH114-11900	DH115-11900
12.00	134	12.00	205	DH114-12000	DH115-12000
12.10	134	12.10	205	DH114-12100	DH115-12100
12.20	134	12.20	205	DH114-12200	DH115-12200
12.30	134	12.30	205	DH114-12300	DH115-12300
12.40	134	12.40	205	DH114-12400	DH115-12400
12.50	134	12.50	205	DH114-12500	DH115-12500
12.60	134	12.60	205	DH114-12600	DH115-12600
12.70	134	12.70	205	DH114-12700	DH115-12700
12.80	134	12.80	205	DH114-12800	DH115-12800
12.90	134	12.90	205	DH114-12900	DH115-12900
13.00	134	13.00	205	DH114-13000	DH115-13000
13.10	134	13.10	205	DH114-13100	DH115-13100
13.20	134	13.20	205	DH114-13200	DH115-13200
13.30	140	13.30	214	DH114-13300	DH115-13300
13.40	140	13.40	214	DH114-13400	DH115-13400

尺寸公差				DH114	DH115
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH114	DH115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.50	140	13.50	214	DH114-13500	DH115-13500
13.60	140	13.60	214	DH114-13600	DH115-13600
13.70	140	13.70	214	DH114-13700	DH115-13700
13.80	140	13.80	214	DH114-13800	DH115-13800
13.90	140	13.90	214	DH114-13900	DH115-13900
14.00	140	14.00	214	DH114-14000	DH115-14000
14.10	144	14.10	220	DH114-14100	DH115-14100
14.20	144	14.20	220	DH114-14200	DH115-14200
14.30	144	14.30	220	DH114-14300	DH115-14300
14.40	144	14.40	220	DH114-14400	DH115-14400
14.50	144	14.50	220	DH114-14500	DH115-14500
14.60	144	14.60	220	DH114-14600	DH115-14600
14.70	144	14.70	220	DH114-14700	DH115-14700
14.80	144	14.80	220	DH114-14800	DH115-14800
14.90	144	14.90	220	DH114-14900	DH115-14900
15.00	144	15.00	220	DH114-15000	DH115-15000
15.10	149	15.10	227	DH114-15100	DH115-15100
15.20	149	15.20	227	DH114-15200	DH115-15200
15.30	149	15.30	227	DH114-15300	DH115-15300
15.40	149	15.40	227	DH114-15400	DH115-15400
15.50	149	15.50	227	DH114-15500	DH115-15500
15.60	149	15.60	227	DH114-15600	DH115-15600
15.70	149	15.70	227	DH114-15700	DH115-15700
15.80	149	15.80	227	DH114-15800	DH115-15800
15.90	149	15.90	227	DH114-15900	DH115-15900
16.00	149	16.00	227	DH114-16000	DH115-16000
16.10	154	16.10	235	DH114-16100	DH115-16100
16.20	154	16.20	235	DH114-16200	DH115-16200
16.30	154	16.30	235	DH114-16300	DH115-16300
16.40	154	16.40	235	DH114-16400	DH115-16400
16.50	154	16.50	235	DH114-16500	DH115-16500
16.60	154	16.60	235	DH114-16600	DH115-16600
16.70	154	16.70	235	DH114-16700	DH115-16700
16.80	154	16.80	235	DH114-16800	DH115-16800
16.90	154	16.90	235	DH114-16900	DH115-16900
17.00	154	17.00	235	DH114-17000	DH115-17000
17.10	158	17.10	241	DH114-17100	DH115-17100
17.20	158	17.20	241	DH114-17200	DH115-17200
17.30	158	17.30	241	DH114-17300	DH115-17300
17.40	158	17.40	241	DH114-17400	DH115-17400
17.50	158	17.50	241	DH114-17500	DH115-17500
17.60	158	17.60	241	DH114-17600	DH115-17600
17.70	158	17.70	241	DH114-17700	DH115-17700
17.80	158	17.80	241	DH114-17800	DH115-17800
17.90	158	17.90	241	DH114-17900	DH115-17900
18.00	158	18.00	241	DH114-18000	DH115-18000
18.10	162	18.10	247	DH114-18100	DH115-18100
18.20	162	18.20	247	DH114-18200	DH115-18200
18.30	162	18.30	247	DH114-18300	DH115-18300
18.40	162	18.40	247	DH114-18400	DH115-18400
18.50	162	18.50	247	DH114-18500	DH115-18500
18.60	162	18.60	247	DH114-18600	DH115-18600
18.70	162	18.70	247	DH114-18700	DH115-18700
18.80	162	18.80	247	DH114-18800	DH115-18800
18.90	162	18.90	247	DH114-18900	DH115-18900
19.00	162	19.00	247	DH114-19000	DH115-19000
19.10	166	19.10	254	DH114-19100	DH115-19100
19.20	166	19.20	254	DH114-19200	DH115-19200
19.30	166	19.30	254	DH114-19300	DH115-19300
19.40	166	19.40	254	DH114-19400	DH115-19400
19.50	166	19.50	254	DH114-19500	DH115-19500
19.60	166	19.60	254	DH114-19600	DH115-19600
19.70	166	19.70	254	DH114-19700	DH115-19700
19.80	166	19.80	254	DH114-19800	DH115-19800
19.90	166	19.90	254	DH114-19900	DH115-19900
20.00	166	20.00	254	DH114-20000	DH115-20000



高速钢直柄钻头 DIN340 通用系列 HSS Straight Shank Drill DIN340 Standard Series

产品优点: Product Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 机加工, 手电钻加工通用
4. 采用含钴 5% 高速钢, 提高使用寿命

- "1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Suitable for both machine drilling and hand-held electric drilling.
4. Made of 5% cobalt high-speed steel for increased service life."

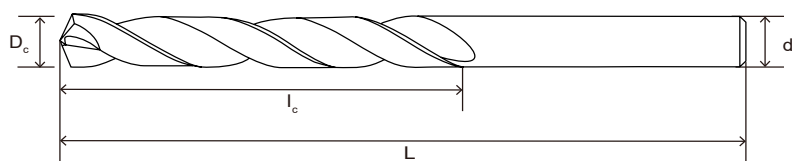
DE111

无涂层
Uncoated



DE112

烤黄工艺
Baking process



尺寸公差				DE111	DE112
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE111	DE112
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	66	3.00	100	DE111-03000	DE112-03000
3.10	69	3.10	106	DE111-03100	DE112-03100
3.20	69	3.20	106	DE111-03200	DE112-03200
3.30	69	3.30	106	DE111-03300	DE112-03300
3.40	73	3.40	112	DE111-03400	DE112-03400
3.50	73	3.50	112	DE111-03500	DE112-03500
3.60	73	3.60	112	DE111-03600	DE112-03600
3.70	73	3.70	112	DE111-03700	DE112-03700
3.80	78	3.80	119	DE111-03800	DE112-03800
3.90	78	3.90	119	DE111-03900	DE112-03900
4.00	78	4.00	119	DE111-04000	DE112-04000
4.10	78	4.10	119	DE111-04100	DE112-04100
4.20	78	4.20	119	DE111-04200	DE112-04200
4.30	82	4.30	126	DE111-04300	DE112-04300
4.40	82	4.40	126	DE111-04400	DE112-04400
4.50	82	4.50	126	DE111-04500	DE112-04500
4.60	82	4.60	126	DE111-04600	DE112-04600
4.70	82	4.70	126	DE111-04700	DE112-04700
4.80	87	4.80	132	DE111-04800	DE112-04800
4.90	87	4.90	132	DE111-04900	DE112-04900
5.00	87	5.00	132	DE111-05000	DE112-05000
5.10	87	5.10	132	DE111-05100	DE112-05100
5.20	87	5.20	132	DE111-05200	DE112-05200
5.30	87	5.30	132	DE111-05300	DE112-05300
5.40	91	5.40	139	DE111-05400	DE112-05400
5.50	91	5.50	139	DE111-05500	DE112-05500
5.60	91	5.60	139	DE111-05600	DE112-05600
5.70	91	5.70	139	DE111-05700	DE112-05700
5.80	91	5.80	139	DE111-05800	DE112-05800
5.90	91	5.90	139	DE111-05900	DE112-05900
6.00	91	6.00	139	DE111-06000	DE112-06000
6.10	97	6.10	148	DE111-06100	DE112-06100
6.20	97	6.20	148	DE111-06200	DE112-06200
6.30	97	6.30	148	DE111-06300	DE112-06300

尺寸公差				DE111	DE112
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE111	DE112
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.40	97	6.40	148	DE111-06400	DE112-06400
6.50	97	6.50	148	DE111-06500	DE112-06500
6.60	97	6.60	148	DE111-06600	DE112-06600
6.70	97	6.70	148	DE111-06700	DE112-06700
6.80	102	6.80	156	DE111-06800	DE112-06800
6.90	102	6.90	156	DE111-06900	DE112-06900
7.00	102	7.00	156	DE111-07000	DE112-07000
7.10	102	7.10	156	DE111-07100	DE112-07100
7.20	102	7.20	156	DE111-07200	DE112-07200
7.30	102	7.30	156	DE111-07300	DE112-07300
7.40	102	7.40	156	DE111-07400	DE112-07400
7.50	102	7.50	156	DE111-07500	DE112-07500
7.60	109	7.60	165	DE111-07600	DE112-07600
7.70	109	7.70	165	DE111-07700	DE112-07700
7.80	109	7.80	165	DE111-07800	DE112-07800
7.90	109	7.90	165	DE111-07900	DE112-07900
8.00	109	8.00	165	DE111-08000	DE112-08000
8.10	109	8.10	165	DE111-08100	DE112-08100
8.20	109	8.20	165	DE111-08200	DE112-08200
8.30	109	8.30	165	DE111-08300	DE112-08300
8.40	109	8.40	165	DE111-08400	DE112-08400
8.50	109	8.50	165	DE111-08500	DE112-08500
8.60	115	8.60	175	DE111-08600	DE112-08600
8.70	115	8.70	175	DE111-08700	DE112-08700
8.80	115	8.80	175	DE111-08800	DE112-08800
8.90	115	8.90	175	DE111-08900	DE112-08900
9.00	115	9.00	175	DE111-09000	DE112-09000
9.10	115	9.10	175	DE111-09100	DE112-09100
9.20	115	9.20	175	DE111-09200	DE112-09200
9.30	115	9.30	175	DE111-09300	DE112-09300
9.40	115	9.40	175	DE111-09400	DE112-09400
9.50	115	9.50	175	DE111-09500	DE112-09500
9.60	121	9.60	184	DE111-09600	DE112-09600
9.70	121	9.70	184	DE111-09700	DE112-09700
9.80	121	9.80	184	DE111-09800	DE112-09800
9.90	121	9.90	184	DE111-09900	DE112-09900
10.00	121	10.00	184	DE111-10000	DE112-10000
10.10	121	10.10	184	DE111-10100	DE112-10100
10.20	121	10.20	184	DE111-10200	DE112-10200
10.30	121	10.30	184	DE111-10300	DE112-10300
10.40	121	10.40	184	DE111-10400	DE112-10400
10.50	121	10.50	184	DE111-10500	DE112-10500
10.60	121	10.60	184	DE111-10600	DE112-10600
10.70	128	10.70	195	DE111-10700	DE112-10700
10.80	128	10.80	195	DE111-10800	DE112-10800
10.90	128	10.90	195	DE111-10900	DE112-10900
11.00	128	11.00	195	DE111-11000	DE112-11000
11.10	128	11.10	195	DE111-11100	DE112-11100
11.20	128	11.20	195	DE111-11200	DE112-11200
11.30	128	11.30	195	DE111-11300	DE112-11300
11.40	128	11.40	195	DE111-11400	DE112-11400
11.50	128	11.50	195	DE111-11500	DE112-11500
11.60	128	11.60	195	DE111-11600	DE112-11600
11.70	128	11.70	195	DE111-11700	DE112-11700
11.80	128	11.80	195	DE111-11800	DE112-11800
11.90	134	11.90	205	DE111-11900	DE112-11900
12.00	134	12.00	205	DE111-12000	DE112-12000
12.10	134	12.10	205	DE111-12100	DE112-12100
12.20	134	12.20	205	DE111-12200	DE112-12200
12.30	134	12.30	205	DE111-12300	DE112-12300
12.40	134	12.40	205	DE111-12400	DE112-12400
12.50	134	12.50	205	DE111-12500	DE112-12500
12.60	134	12.60	205	DE111-12600	DE112-12600
12.70	134	12.70	205	DE111-12700	DE112-12700
12.80	134	12.80	205	DE111-12800	DE112-12800
12.90	134	12.90	205	DE111-12900	DE112-12900
13.00	134	13.00	205	DE111-13000	DE112-13000
13.10	134	13.10	205	DE111-13100	DE112-13100
13.20	134	13.20	205	DE111-13200	DE112-13200
13.30	140	13.30	214	DE111-13300	DE112-13300
13.40	140	13.40	214	DE111-13400	DE112-13400

尺寸公差				DE111	DE112
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE111	DE112
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.50	140	13.50	214	DE111-13500	DE112-13500
13.60	140	13.60	214	DE111-13600	DE112-13600
13.70	140	13.70	214	DE111-13700	DE112-13700
13.80	140	13.80	214	DE111-13800	DE112-13800
13.90	140	13.90	214	DE111-13900	DE112-13900
14.00	140	14.00	214	DE111-14000	DE112-14000
14.10	144	14.10	220	DE111-14100	DE112-14100
14.20	144	14.20	220	DE111-14200	DE112-14200
14.30	144	14.30	220	DE111-14300	DE112-14300
14.40	144	14.40	220	DE111-14400	DE112-14400
14.50	144	14.50	220	DE111-14500	DE112-14500
14.60	144	14.60	220	DE111-14600	DE112-14600
14.70	144	14.70	220	DE111-14700	DE112-14700
14.80	144	14.80	220	DE111-14800	DE112-14800
14.90	144	14.90	220	DE111-14900	DE112-14900
15.00	144	15.00	220	DE111-15000	DE112-15000
15.10	149	15.10	227	DE111-15100	DE112-15100
15.20	149	15.20	227	DE111-15200	DE112-15200
15.30	149	15.30	227	DE111-15300	DE112-15300
15.40	149	15.40	227	DE111-15400	DE112-15400
15.50	149	15.50	227	DE111-15500	DE112-15500
15.60	149	15.60	227	DE111-15600	DE112-15600
15.70	149	15.70	227	DE111-15700	DE112-15700
15.80	149	15.80	227	DE111-15800	DE112-15800
15.90	149	15.90	227	DE111-15900	DE112-15900
16.00	149	16.00	227	DE111-16000	DE112-16000
16.10	154	16.10	235	DE111-16100	DE112-16100
16.20	154	16.20	235	DE111-16200	DE112-16200
16.30	154	16.30	235	DE111-16300	DE112-16300
16.40	154	16.40	235	DE111-16400	DE112-16400
16.50	154	16.50	235	DE111-16500	DE112-16500
16.60	154	16.60	235	DE111-16600	DE112-16600
16.70	154	16.70	235	DE111-16700	DE112-16700
16.80	154	16.80	235	DE111-16800	DE112-16800
16.90	154	16.90	235	DE111-16900	DE112-16900
17.00	154	17.00	235	DE111-17000	DE112-17000
17.10	158	17.10	241	DE111-17100	DE112-17100
17.20	158	17.20	241	DE111-17200	DE112-17200
17.30	158	17.30	241	DE111-17300	DE112-17300
17.40	158	17.40	241	DE111-17400	DE112-17400
17.50	158	17.50	241	DE111-17500	DE112-17500
17.60	158	17.60	241	DE111-17600	DE112-17600
17.70	158	17.70	241	DE111-17700	DE112-17700
17.80	158	17.80	241	DE111-17800	DE112-17800
17.90	158	17.90	241	DE111-17900	DE112-17900
18.00	158	18.00	241	DE111-18000	DE112-18000
18.10	162	18.10	247	DE111-18100	DE112-18100
18.20	162	18.20	247	DE111-18200	DE112-18200
18.30	162	18.30	247	DE111-18300	DE112-18300
18.40	162	18.40	247	DE111-18400	DE112-18400
18.50	162	18.50	247	DE111-18500	DE112-18500
18.60	162	18.60	247	DE111-18600	DE112-18600
18.70	162	18.70	247	DE111-18700	DE112-18700
18.80	162	18.80	247	DE111-18800	DE112-18800
18.90	162	18.90	247	DE111-18900	DE112-18900
19.00	162	19.00	247	DE111-19000	DE112-19000
19.10	166	19.10	254	DE111-19100	DE112-19100
19.20	166	19.20	254	DE111-19200	DE112-19200
19.30	166	19.30	254	DE111-19300	DE112-19300
19.40	166	19.40	254	DE111-19400	DE112-19400
19.50	166	19.50	254	DE111-19500	DE112-19500
19.60	166	19.60	254	DE111-19600	DE112-19600
19.70	166	19.70	254	DE111-19700	DE112-19700
19.80	166	19.80	254	DE111-19800	DE112-19800
19.90	166	19.90	254	DE111-19900	DE112-19900
20.00	166	20.00	254	DE111-20000	DE112-20000

HSS-E

DIN
340

0
-0.010

h8

Shank

Helix
32°

135°

高速钢直柄钻头 DIN340 通用系列
HSS Straight Shank Drill DIN340 Standard Series

产品优点:
Product
Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 机加工, 手电钻加工通用
4. 采用含钴 5% 高速钢, 提高使用寿命
5. 高性能涂层显著增加使用寿命

1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Suitable for both machine drilling and hand-held electric drilling.
4. Made of 5% cobalt high-speed steel for increased service life.
5. High-performance coating significantly extends service life.

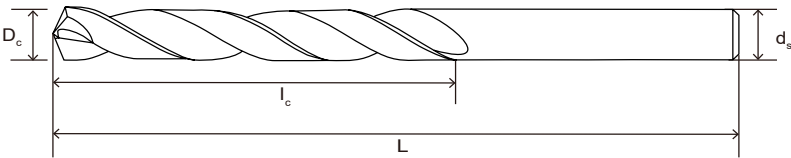
DE114

镀钛涂层
TIN



DE115

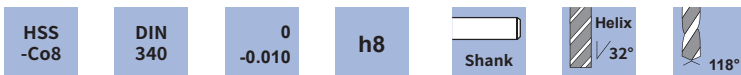
铝钛涂层
AlTiN



尺寸公差				DE114	DE115
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	L _c -mm	d _s (H8)-mm	L-mm	DE114	DE115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	66	3.00	100	DE114-03000	DE115-03000
3.10	69	3.10	106	DE114-03100	DE115-03100
3.20	69	3.10	106	DE114-03200	DE115-03200
3.30	69	3.10	106	DE114-03300	DE115-03300
3.40	73	3.40	112	DE114-03400	DE115-03400
3.50	73	3.40	112	DE114-03500	DE115-03500
3.60	73	3.40	112	DE114-03600	DE115-03600
3.70	73	3.40	112	DE114-03700	DE115-03700
3.80	78	3.80	119	DE114-03800	DE115-03800
3.90	78	3.80	119	DE114-03900	DE115-03900
4.00	78	3.80	119	DE114-04000	DE115-04000
4.10	78	3.80	119	DE114-04100	DE115-04100
4.20	78	3.80	119	DE114-04200	DE115-04200
4.30	82	4.30	126	DE114-04300	DE115-04300
4.40	82	4.30	126	DE114-04400	DE115-04400
4.50	82	4.30	126	DE114-04500	DE115-04500
4.60	82	4.30	126	DE114-04600	DE115-04600
4.70	82	4.30	126	DE114-04700	DE115-04700
4.80	87	4.75	132	DE114-04800	DE115-04800
4.90	87	4.75	132	DE114-04900	DE115-04900
5.00	87	4.75	132	DE114-05000	DE115-05000
5.10	87	4.75	132	DE114-05100	DE115-05100
5.20	87	4.75	132	DE114-05200	DE115-05200
5.30	87	5.30	132	DE114-05300	DE115-05300
5.40	91	5.40	139	DE114-05400	DE115-05400
5.50	91	5.40	139	DE114-05500	DE115-05500
5.60	91	5.40	139	DE114-05600	DE115-05600
5.70	91	5.40	139	DE114-05700	DE115-05700
5.80	91	5.40	139	DE114-05800	DE115-05800
5.90	91	5.40	139	DE114-05900	DE115-05900
6.00	91	5.40	139	DE114-06000	DE115-06000
6.10	97	6.10	148	DE114-06100	DE115-06100
6.20	97	6.10	148	DE114-06200	DE115-06200
6.30	97	6.10	148	DE114-06300	DE115-06300

尺寸公差				DE114	DE115
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE114	DE115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.40	97	6.10	148	DE114-06400	DE115-06400
6.50	97	6.10	148	DE114-06500	DE115-06500
6.60	97	6.10	148	DE114-06600	DE115-06600
6.70	97	6.10	148	DE114-06700	DE115-06700
6.80	102	6.80	156	DE114-06800	DE115-06800
6.90	102	6.80	156	DE114-06900	DE115-06900
7.00	102	6.80	156	DE114-07000	DE115-07000
7.10	102	6.80	156	DE114-07100	DE115-07100
7.20	102	6.80	156	DE114-07200	DE115-07200
7.30	102	6.80	156	DE114-07300	DE115-07300
7.40	102	6.80	156	DE114-07400	DE115-07400
7.50	102	6.80	156	DE114-07500	DE115-07500
7.60	109	7.60	165	DE114-07600	DE115-07600
7.70	109	7.60	165	DE114-07700	DE115-07700
7.80	109	7.60	165	DE114-07800	DE115-07800
7.90	109	7.60	165	DE114-07900	DE115-07900
8.00	109	7.60	165	DE114-08000	DE115-08000
8.10	109	7.60	165	DE114-08100	DE115-08100
8.20	109	7.60	165	DE114-08200	DE115-08200
8.30	109	7.60	165	DE114-08300	DE115-08300
8.40	109	7.60	165	DE114-08400	DE115-08400
8.50	109	7.60	165	DE114-08500	DE115-08500
8.60	115	8.60	175	DE114-08600	DE115-08600
8.70	115	8.60	175	DE114-08700	DE115-08700
8.80	115	8.60	175	DE114-08800	DE115-08800
8.90	115	8.60	175	DE114-08900	DE115-08900
9.00	115	8.60	175	DE114-09000	DE115-09000
9.10	115	8.60	175	DE114-09100	DE115-09100
9.20	115	8.60	175	DE114-09200	DE115-09200
9.30	115	8.60	175	DE114-09300	DE115-09300
9.40	115	8.60	175	DE114-09400	DE115-09400
9.50	115	8.60	175	DE114-09500	DE115-09500
9.60	121	9.60	184	DE114-09600	DE115-09600
9.70	121	9.60	184	DE114-09700	DE115-09700
9.80	121	9.60	184	DE114-09800	DE115-09800
9.90	121	9.60	184	DE114-09900	DE115-09900
10.00	121	9.60	184	DE114-10000	DE115-10000
10.10	121	9.60	184	DE114-10100	DE115-10100
10.20	121	9.60	184	DE114-10200	DE115-10200
10.30	121	9.60	184	DE114-10300	DE115-10300
10.40	121	9.60	184	DE114-10400	DE115-10400
10.50	121	9.60	184	DE114-10500	DE115-10500
10.60	121	9.60	184	DE114-10600	DE115-10600
10.70	128	10.70	195	DE114-10700	DE115-10700
10.80	128	10.70	195	DE114-10800	DE115-10800
10.90	128	10.70	195	DE114-10900	DE115-10900
11.00	128	10.70	195	DE114-11000	DE115-11000
11.10	128	10.70	195	DE114-11100	DE115-11100
11.20	128	10.70	195	DE114-11200	DE115-11200
11.30	128	10.70	195	DE114-11300	DE115-11300
11.40	128	10.70	195	DE114-11400	DE115-11400
11.50	128	10.70	195	DE114-11500	DE115-11500
11.60	128	10.70	195	DE114-11600	DE115-11600
11.70	128	10.70	195	DE114-11700	DE115-11700
11.80	128	10.70	195	DE114-11800	DE115-11800
11.90	134	11.90	205	DE114-11900	DE115-11900
12.00	134	11.90	205	DE114-12000	DE115-12000
12.10	134	11.90	205	DE114-12100	DE115-12100
12.20	134	11.90	205	DE114-12200	DE115-12200
12.30	134	11.90	205	DE114-12300	DE115-12300
12.40	134	11.90	205	DE114-12400	DE115-12400
12.50	134	11.90	205	DE114-12500	DE115-12500
12.60	134	11.90	205	DE114-12600	DE115-12600
12.70	134	11.90	205	DE114-12700	DE115-12700
12.80	134	11.90	205	DE114-12800	DE115-12800
12.90	134	11.90	205	DE114-12900	DE115-12900
13.00	134	11.90	205	DE114-13000	DE115-13000
13.10	134	11.90	205	DE114-13100	DE115-13100
13.20	134	11.90	205	DE114-13200	DE115-13200
13.30	140	13.30	214	DE114-13300	DE115-13300
13.40	140	13.30	214	DE114-13400	DE115-13400

尺寸公差				DE114	DE115
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DE114	DE115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.50	140	13.30	214	DE114-13500	DE115-13500
13.60	140	13.30	214	DE114-13600	DE115-13600
13.70	140	13.30	214	DE114-13700	DE115-13700
13.80	140	13.30	214	DE114-13800	DE115-13800
13.90	140	13.30	214	DE114-13900	DE115-13900
14.00	140	13.30	214	DE114-14000	DE115-14000
14.10	144	14.10	220	DE114-14100	DE115-14100
14.20	144	14.10	220	DE114-14200	DE115-14200
14.30	144	14.10	220	DE114-14300	DE115-14300
14.40	144	14.10	220	DE114-14400	DE115-14400
14.50	144	14.10	220	DE114-14500	DE115-14500
14.60	144	14.10	220	DE114-14600	DE115-14600
14.70	144	14.10	220	DE114-14700	DE115-14700
14.80	144	14.10	220	DE114-14800	DE115-14800
14.90	144	14.10	220	DE114-14900	DE115-14900
15.00	144	14.10	220	DE114-15000	DE115-15000
15.10	149	15.10	227	DE114-15100	DE115-15100
15.20	149	15.10	227	DE114-15200	DE115-15200
15.30	149	15.10	227	DE114-15300	DE115-15300
15.40	149	15.10	227	DE114-15400	DE115-15400
15.50	149	15.10	227	DE114-15500	DE115-15500
15.60	149	15.10	227	DE114-15600	DE115-15600
15.70	149	15.10	227	DE114-15700	DE115-15700
15.80	149	15.10	227	DE114-15800	DE115-15800
15.90	149	15.10	227	DE114-15900	DE115-15900
16.00	149	15.10	227	DE114-16000	DE115-16000
16.10	154	16.10	235	DE114-16100	DE115-16100
16.20	154	16.10	235	DE114-16200	DE115-16200
16.30	154	16.10	235	DE114-16300	DE115-16300
16.40	154	16.10	235	DE114-16400	DE115-16400
16.50	154	16.10	235	DE114-16500	DE115-16500
16.60	154	16.10	235	DE114-16600	DE115-16600
16.70	154	16.10	235	DE114-16700	DE115-16700
16.80	154	16.10	235	DE114-16800	DE115-16800
16.90	154	16.10	235	DE114-16900	DE115-16900
17.00	154	16.10	235	DE114-17000	DE115-17000
17.10	158	17.10	241	DE114-17100	DE115-17100
17.20	158	17.10	241	DE114-17200	DE115-17200
17.30	158	17.10	241	DE114-17300	DE115-17300
17.40	158	17.10	241	DE114-17400	DE115-17400
17.50	158	17.10	241	DE114-17500	DE115-17500
17.60	158	17.10	241	DE114-17600	DE115-17600
17.70	158	17.10	241	DE114-17700	DE115-17700
17.80	158	17.10	241	DE114-17800	DE115-17800
17.90	158	17.10	241	DE114-17900	DE115-17900
18.00	158	17.10	241	DE114-18000	DE115-18000
18.10	162	18.10	247	DE114-18100	DE115-18100
18.20	162	18.10	247	DE114-18200	DE115-18200
18.30	162	18.10	247	DE114-18300	DE115-18300
18.40	162	18.10	247	DE114-18400	DE115-18400
18.50	162	18.10	247	DE114-18500	DE115-18500
18.60	162	18.10	247	DE114-18600	DE115-18600
18.70	162	18.10	247	DE114-18700	DE115-18700
18.80	162	18.10	247	DE114-18800	DE115-18800
18.90	162	18.10	247	DE114-18900	DE115-18900
19.00	162	18.10	247	DE114-19000	DE115-19000
19.10	166	19.10	254	DE114-19100	DE115-19100
19.20	166	19.10	254	DE114-19200	DE115-19200
19.30	166	19.10	254	DE114-19300	DE115-19300
19.40	166	19.10	254	DE114-19400	DE115-19400
19.50	166	19.10	254	DE114-19500	DE115-19500
19.60	166	19.10	254	DE114-19600	DE115-19600
19.70	166	19.10	254	DE114-19700	DE115-19700
19.80	166	19.10	254	DE114-19800	DE115-19800
19.90	166	19.10	254	DE114-19900	DE115-19900
20.00	166	19.10	254	DE114-20000	DE115-20000



高速钢直柄钻头 DIN340 通用系列 HSS Straight Shank Drill DIN340 Standard Series

产品优点: Product Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 采用 HSS-Co8% 材质制造, 具有更好的硬度和使用寿命, 适合机加工
4. 高性能涂层显著增加使用寿命 "

- "1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Made of HSS-Co 8% for better hardness and service life, suitable for machine drilling.
4. High-performance coating significantly extends service life.

DF111

无涂层
Uncoated



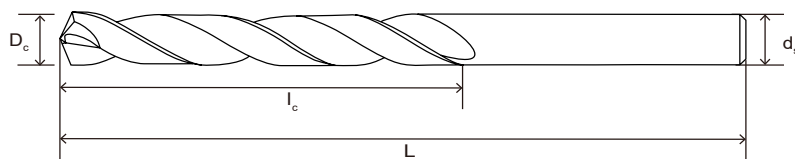
DF114

镀钛涂层
TIN



DF115

铝钛涂层
AlTiN



尺寸公差				DF111	DF114	DF115
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	L _c -mm	d _s (H8)-mm	L-mm	DF111	DF114	DF115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
3.00	66	3.00	100	DF111-03000	DF114-03000	DF115-03000
3.10	69	3.10	106	DF111-03100	DF114-03100	DF115-03100
3.20	69	3.10	106	DF111-03200	DF114-03200	DF115-03200
3.30	69	3.10	106	DF111-03300	DF114-03300	DF115-03300
3.40	73	3.40	112	DF111-03400	DF114-03400	DF115-03400
3.50	73	3.40	112	DF111-03500	DF114-03500	DF115-03500
3.60	73	3.40	112	DF111-03600	DF114-03600	DF115-03600
3.70	73	3.40	112	DF111-03700	DF114-03700	DF115-03700
3.80	78	3.80	119	DF111-03800	DF114-03800	DF115-03800
3.90	78	3.80	119	DF111-03900	DF114-03900	DF115-03900
4.00	78	3.80	119	DF111-04000	DF114-04000	DF115-04000
4.10	78	3.80	119	DF111-04100	DF114-04100	DF115-04100
4.20	78	3.80	119	DF111-04200	DF114-04200	DF115-04200
4.30	82	4.30	126	DF111-04300	DF114-04300	DF115-04300
4.40	82	4.30	126	DF111-04400	DF114-04400	DF115-04400
4.50	82	4.30	126	DF111-04500	DF114-04500	DF115-04500
4.60	82	4.30	126	DF111-04600	DF114-04600	DF115-04600
4.70	82	4.30	126	DF111-04700	DF114-04700	DF115-04700
4.80	87	4.75	132	DF111-04800	DF114-04800	DF115-04800
4.90	87	4.75	132	DF111-04900	DF114-04900	DF115-04900
5.00	87	4.75	132	DF111-05000	DF114-05000	DF115-05000
5.10	87	4.75	132	DF111-05100	DF114-05100	DF115-05100
5.20	87	4.75	132	DF111-05200	DF114-05200	DF115-05200
5.30	87	5.30	132	DF111-05300	DF114-05300	DF115-05300
5.40	91	5.40	139	DF111-05400	DF114-05400	DF115-05400
5.50	91	5.40	139	DF111-05500	DF114-05500	DF115-05500
5.60	91	5.40	139	DF111-05600	DF114-05600	DF115-05600
5.70	91	5.40	139	DF111-05700	DF114-05700	DF115-05700
5.80	91	5.40	139	DF111-05800	DF114-05800	DF115-05800
5.90	91	5.40	139	DF111-05900	DF114-05900	DF115-05900
6.00	91	5.40	139	DF111-06000	DF114-06000	DF115-06000
6.10	97	6.10	148	DF111-06100	DF114-06100	DF115-06100
6.20	97	6.10	148	DF111-06200	DF114-06200	DF115-06200
6.30	97	6.10	148	DF111-06300	DF114-06300	DF115-06300

尺寸公差				DF111	DF114	DF115
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DF111	DF114	DF115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
6.40	97	6.10	148	DF111-06400	DF114-06400	DF115-06400
6.50	97	6.10	148	DF111-06500	DF114-06500	DF115-06500
6.60	97	6.10	148	DF111-06600	DF114-06600	DF115-06600
6.70	97	6.10	148	DF111-06700	DF114-06700	DF115-06700
6.80	102	6.80	156	DF111-06800	DF114-06800	DF115-06800
6.90	102	6.80	156	DF111-06900	DF114-06900	DF115-06900
7.00	102	6.80	156	DF111-07000	DF114-07000	DF115-07000
7.10	102	6.80	156	DF111-07100	DF114-07100	DF115-07100
7.20	102	6.80	156	DF111-07200	DF114-07200	DF115-07200
7.30	102	6.80	156	DF111-07300	DF114-07300	DF115-07300
7.40	102	6.80	156	DF111-07400	DF114-07400	DF115-07400
7.50	102	6.80	156	DF111-07500	DF114-07500	DF115-07500
7.60	109	7.60	165	DF111-07600	DF114-07600	DF115-07600
7.70	109	7.60	165	DF111-07700	DF114-07700	DF115-07700
7.80	109	7.60	165	DF111-07800	DF114-07800	DF115-07800
7.90	109	7.60	165	DF111-07900	DF114-07900	DF115-07900
8.00	109	7.60	165	DF111-08000	DF114-08000	DF115-08000
8.10	109	7.60	165	DF111-08100	DF114-08100	DF115-08100
8.20	109	7.60	165	DF111-08200	DF114-08200	DF115-08200
8.30	109	7.60	165	DF111-08300	DF114-08300	DF115-08300
8.40	109	7.60	165	DF111-08400	DF114-08400	DF115-08400
8.50	109	7.60	165	DF111-08500	DF114-08500	DF115-08500
8.60	115	8.60	175	DF111-08600	DF114-08600	DF115-08600
8.70	115	8.60	175	DF111-08700	DF114-08700	DF115-08700
8.80	115	8.60	175	DF111-08800	DF114-08800	DF115-08800
8.90	115	8.60	175	DF111-08900	DF114-08900	DF115-08900
9.00	115	8.60	175	DF111-09000	DF114-09000	DF115-09000
9.10	115	8.60	175	DF111-09100	DF114-09100	DF115-09100
9.20	115	8.60	175	DF111-09200	DF114-09200	DF115-09200
9.30	115	8.60	175	DF111-09300	DF114-09300	DF115-09300
9.40	115	8.60	175	DF111-09400	DF114-09400	DF115-09400
9.50	115	8.60	175	DF111-09500	DF114-09500	DF115-09500
9.60	121	9.60	184	DF111-09600	DF114-09600	DF115-09600
9.70	121	9.60	184	DF111-09700	DF114-09700	DF115-09700
9.80	121	9.60	184	DF111-09800	DF114-09800	DF115-09800
9.90	121	9.60	184	DF111-09900	DF114-09900	DF115-09900
10.00	121	9.60	184	DF111-10000	DF114-10000	DF115-10000
10.10	121	9.60	184	DF111-10100	DF114-10100	DF115-10100
10.20	121	9.60	184	DF111-10200	DF114-10200	DF115-10200
10.30	121	9.60	184	DF111-10300	DF114-10300	DF115-10300
10.40	121	9.60	184	DF111-10400	DF114-10400	DF115-10400
10.50	121	9.60	184	DF111-10500	DF114-10500	DF115-10500
10.60	121	9.60	184	DF111-10600	DF114-10600	DF115-10600
10.70	128	10.70	195	DF111-10700	DF114-10700	DF115-10700
10.80	128	10.70	195	DF111-10800	DF114-10800	DF115-10800
10.90	128	10.70	195	DF111-10900	DF114-10900	DF115-10900
11.00	128	10.70	195	DF111-11000	DF114-11000	DF115-11000
11.10	128	10.70	195	DF111-11100	DF114-11100	DF115-11100
11.20	128	10.70	195	DF111-11200	DF114-11200	DF115-11200
11.30	128	10.70	195	DF111-11300	DF114-11300	DF115-11300
11.40	128	10.70	195	DF111-11400	DF114-11400	DF115-11400
11.50	128	10.70	195	DF111-11500	DF114-11500	DF115-11500
11.60	128	10.70	195	DF111-11600	DF114-11600	DF115-11600
11.70	128	10.70	195	DF111-11700	DF114-11700	DF115-11700
11.80	128	10.70	195	DF111-11800	DF114-11800	DF115-11800
11.90	134	11.90	205	DF111-11900	DF114-11900	DF115-11900
12.00	134	11.90	205	DF111-12000	DF114-12000	DF115-12000
12.10	134	11.90	205	DF111-12100	DF114-12100	DF115-12100
12.20	134	11.90	205	DF111-12200	DF114-12200	DF115-12200
12.30	134	11.90	205	DF111-12300	DF114-12300	DF115-12300
12.40	134	11.90	205	DF111-12400	DF114-12400	DF115-12400
12.50	134	11.90	205	DF111-12500	DF114-12500	DF115-12500
12.60	134	11.90	205	DF111-12600	DF114-12600	DF115-12600
12.70	134	11.90	205	DF111-12700	DF114-12700	DF115-12700
12.80	134	11.90	205	DF111-12800	DF114-12800	DF115-12800
12.90	134	11.90	205	DF111-12900	DF114-12900	DF115-12900
13.00	134	11.90	205	DF111-13000	DF114-13000	DF115-13000
13.10	134	11.90	205	DF111-13100	DF114-13100	DF115-13100
13.20	134	11.90	205	DF111-13200	DF114-13200	DF115-13200
13.30	140	13.30	214	DF111-13300	DF114-13300	DF115-13300
13.40	140	13.30	214	DF111-13400	DF114-13400	DF115-13400

尺寸公差				DF111	DF114	DF115
直径	刃长	柄径	全长	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DF111	DF114	DF115
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number
13.50	140	13.30	214	DF111-13500	DF114-13500	DF115-13500
13.60	140	13.30	214	DF111-13600	DF114-13600	DF115-13600
13.70	140	13.30	214	DF111-13700	DF114-13700	DF115-13700
13.80	140	13.30	214	DF111-13800	DF114-13800	DF115-13800
13.90	140	13.30	214	DF111-13900	DF114-13900	DF115-13900
14.00	140	13.30	214	DF111-14000	DF114-14000	DF115-14000
14.10	144	14.10	220	DF111-14100	DF114-14100	DF115-14100
14.20	144	14.10	220	DF111-14200	DF114-14200	DF115-14200
14.30	144	14.10	220	DF111-14300	DF114-14300	DF115-14300
14.40	144	14.10	220	DF111-14400	DF114-14400	DF115-14400
14.50	144	14.10	220	DF111-14500	DF114-14500	DF115-14500
14.60	144	14.10	220	DF111-14600	DF114-14600	DF115-14600
14.70	144	14.10	220	DF111-14700	DF114-14700	DF115-14700
14.80	144	14.10	220	DF111-14800	DF114-14800	DF115-14800
14.90	144	14.10	220	DF111-14900	DF114-14900	DF115-14900
15.00	144	14.10	220	DF111-15000	DF114-15000	DF115-15000
15.10	149	15.10	227	DF111-15100	DF114-15100	DF115-15100
15.20	149	15.10	227	DF111-15200	DF114-15200	DF115-15200
15.30	149	15.10	227	DF111-15300	DF114-15300	DF115-15300
15.40	149	15.10	227	DF111-15400	DF114-15400	DF115-15400
15.50	149	15.10	227	DF111-15500	DF114-15500	DF115-15500
15.60	149	15.10	227	DF111-15600	DF114-15600	DF115-15600
15.70	149	15.10	227	DF111-15700	DF114-15700	DF115-15700
15.80	149	15.10	227	DF111-15800	DF114-15800	DF115-15800
15.90	149	15.10	227	DF111-15900	DF114-15900	DF115-15900
16.00	149	15.10	227	DF111-16000	DF114-16000	DF115-16000
16.10	154	16.10	235	DF111-16100	DF114-16100	DF115-16100
16.20	154	16.10	235	DF111-16200	DF114-16200	DF115-16200
16.30	154	16.10	235	DF111-16300	DF114-16300	DF115-16300
16.40	154	16.10	235	DF111-16400	DF114-16400	DF115-16400
16.50	154	16.10	235	DF111-16500	DF114-16500	DF115-16500
16.60	154	16.10	235	DF111-16600	DF114-16600	DF115-16600
16.70	154	16.10	235	DF111-16700	DF114-16700	DF115-16700
16.80	154	16.10	235	DF111-16800	DF114-16800	DF115-16800
16.90	154	16.10	235	DF111-16900	DF114-16900	DF115-16900
17.00	154	16.10	235	DF111-17000	DF114-17000	DF115-17000
17.10	158	17.10	241	DF111-17100	DF114-17100	DF115-17100
17.20	158	17.10	241	DF111-17200	DF114-17200	DF115-17200
17.30	158	17.10	241	DF111-17300	DF114-17300	DF115-17300
17.40	158	17.10	241	DF111-17400	DF114-17400	DF115-17400
17.50	158	17.10	241	DF111-17500	DF114-17500	DF115-17500
17.60	158	17.10	241	DF111-17600	DF114-17600	DF115-17600
17.70	158	17.10	241	DF111-17700	DF114-17700	DF115-17700
17.80	158	17.10	241	DF111-17800	DF114-17800	DF115-17800
17.90	158	17.10	241	DF111-17900	DF114-17900	DF115-17900
18.00	158	17.10	241	DF111-18000	DF114-18000	DF115-18000
18.10	162	18.10	247	DF111-18100	DF114-18100	DF115-18100
18.20	162	18.10	247	DF111-18200	DF114-18200	DF115-18200
18.30	162	18.10	247	DF111-18300	DF114-18300	DF115-18300
18.40	162	18.10	247	DF111-18400	DF114-18400	DF115-18400
18.50	162	18.10	247	DF111-18500	DF114-18500	DF115-18500
18.60	162	18.10	247	DF111-18600	DF114-18600	DF115-18600
18.70	162	18.10	247	DF111-18700	DF114-18700	DF115-18700
18.80	162	18.10	247	DF111-18800	DF114-18800	DF115-18800
18.90	162	18.10	247	DF111-18900	DF114-18900	DF115-18900
19.00	162	18.10	247	DF111-19000	DF114-19000	DF115-19000
19.10	166	19.10	254	DF111-19100	DF114-19100	DF115-19100
19.20	166	19.10	254	DF111-19200	DF114-19200	DF115-19200
19.30	166	19.10	254	DF111-19300	DF114-19300	DF115-19300
19.40	166	19.10	254	DF111-19400	DF114-19400	DF115-19400
19.50	166	19.10	254	DF111-19500	DF114-19500	DF115-19500
19.60	166	19.10	254	DF111-19600	DF114-19600	DF115-19600
19.70	166	19.10	254	DF111-19700	DF114-19700	DF115-19700
19.80	166	19.10	254	DF111-19800	DF114-19800	DF115-19800
19.90	166	19.10	254	DF111-19900	DF114-19900	DF115-19900
20.00	166	19.10	254	DF111-20000	DF114-20000	DF115-20000

HSS
-PM

DIN
340

0
-0.010

h8

Shank

Helix
32°

135°

高速钢直柄钻头 DIN340 通用系列
High Speed Steel Straight Shank Drill DIN340 Standard Series

产品优点:
Product
Advantages:

1. 采用全磨工艺打磨处理, 即使在圆形材料上也可确保很好的对中效果, 无需再冲中心样孔
2. 刃部公差 -0.01, 高精度几何参数可确保稳定的钻孔质量, 同时保证长久的使用寿命
3. 采用 HSS-PM 材质制造, 具有更好的硬度和使用寿命, 适合机加工
4. 高性能涂层显著增加使用寿命

1. Full grinding process ensures excellent centering effect even on round materials, eliminating the need for pre-drilling center holes.
2. Edge tolerance of -0.01; high-precision geometric parameters ensure stable drilling quality and long service life.
3. Made of HSS-PM material for better hardness and service life, suitable for machine drilling.
4. High-performance coating significantly extends service life.

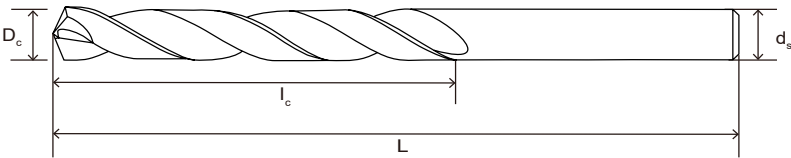
DP111

无涂层
Uncoated



DP116

铝钛涂层
AlTiN



尺寸公差				DP111	DP116
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L -mm	DP111	DP116
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	66	3.00	100	DP111-03000	DP116-03000
3.10	69	3.10	106	DP111-03100	DP116-03100
3.20	69	3.10	106	DP111-03200	DP116-03200
3.30	69	3.10	106	DP111-03300	DP116-03300
3.40	73	3.40	112	DP111-03400	DP116-03400
3.50	73	3.40	112	DP111-03500	DP116-03500
3.60	73	3.40	112	DP111-03600	DP116-03600
3.70	73	3.40	112	DP111-03700	DP116-03700
3.80	78	3.80	119	DP111-03800	DP116-03800
3.90	78	3.80	119	DP111-03900	DP116-03900
4.00	78	3.80	119	DP111-04000	DP116-04000
4.10	78	3.80	119	DP111-04100	DP116-04100
4.20	78	3.80	119	DP111-04200	DP116-04200
4.30	82	4.30	126	DP111-04300	DP116-04300
4.40	82	4.30	126	DP111-04400	DP116-04400
4.50	82	4.30	126	DP111-04500	DP116-04500
4.60	82	4.30	126	DP111-04600	DP116-04600
4.70	82	4.30	126	DP111-04700	DP116-04700
4.80	87	4.75	132	DP111-04800	DP116-04800
4.90	87	4.75	132	DP111-04900	DP116-04900
5.00	87	4.75	132	DP111-05000	DP116-05000
5.10	87	4.75	132	DP111-05100	DP116-05100
5.20	87	4.75	132	DP111-05200	DP116-05200
5.30	87	5.30	132	DP111-05300	DP116-05300
5.40	91	5.40	139	DP111-05400	DP116-05400
5.50	91	5.40	139	DP111-05500	DP116-05500
5.60	91	5.40	139	DP111-05600	DP116-05600
5.70	91	5.40	139	DP111-05700	DP116-05700
5.80	91	5.40	139	DP111-05800	DP116-05800
5.90	91	5.40	139	DP111-05900	DP116-05900
6.00	91	5.40	139	DP111-06000	DP116-06000
6.10	97	6.10	148	DP111-06100	DP116-06100
6.20	97	6.10	148	DP111-06200	DP116-06200

尺寸公差				DP111	DP116
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L -mm	DP111	DP116
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
6.30	97	6.10	148	DP111-06300	DP116-06300
6.40	97	6.10	148	DP111-06400	DP116-06400
6.50	97	6.10	148	DP111-06500	DP116-06500
6.60	97	6.10	148	DP111-06600	DP116-06600
6.70	97	6.10	148	DP111-06700	DP116-06700
6.80	102	6.80	156	DP111-06800	DP116-06800
6.90	102	6.80	156	DP111-06900	DP116-06900
7.00	102	6.80	156	DP111-07000	DP116-07000
7.10	102	6.80	156	DP111-07100	DP116-07100
7.20	102	6.80	156	DP111-07200	DP116-07200
7.30	102	6.80	156	DP111-07300	DP116-07300
7.40	102	6.80	156	DP111-07400	DP116-07400
7.50	102	6.80	156	DP111-07500	DP116-07500
7.60	109	7.60	165	DP111-07600	DP116-07600
7.70	109	7.60	165	DP111-07700	DP116-07700
7.80	109	7.60	165	DP111-07800	DP116-07800
7.90	109	7.60	165	DP111-07900	DP116-07900
8.00	109	7.60	165	DP111-08000	DP116-08000
8.10	109	7.60	165	DP111-08100	DP116-08100
8.20	109	7.60	165	DP111-08200	DP116-08200
8.30	109	7.60	165	DP111-08300	DP116-08300
8.40	109	7.60	165	DP111-08400	DP116-08400
8.50	109	7.60	165	DP111-08500	DP116-08500
8.60	115	8.60	175	DP111-08600	DP116-08600
8.70	115	8.60	175	DP111-08700	DP116-08700
8.80	115	8.60	175	DP111-08800	DP116-08800
8.90	115	8.60	175	DP111-08900	DP116-08900
9.00	115	8.60	175	DP111-09000	DP116-09000
9.10	115	8.60	175	DP111-09100	DP116-09100
9.20	115	8.60	175	DP111-09200	DP116-09200
9.30	115	8.60	175	DP111-09300	DP116-09300
9.40	115	8.60	175	DP111-09400	DP116-09400
9.50	115	8.60	175	DP111-09500	DP116-09500
9.60	121	9.60	184	DP111-09600	DP116-09600
9.70	121	9.60	184	DP111-09700	DP116-09700
9.80	121	9.60	184	DP111-09800	DP116-09800
9.90	121	9.60	184	DP111-09900	DP116-09900
10.00	121	9.60	184	DP111-10000	DP116-10000
10.10	121	9.60	184	DP111-10100	DP116-10100
10.20	121	9.60	184	DP111-10200	DP116-10200
10.30	121	9.60	184	DP111-10300	DP116-10300
10.40	121	9.60	184	DP111-10400	DP116-10400
10.50	121	9.60	184	DP111-10500	DP116-10500
10.60	121	9.60	184	DP111-10600	DP116-10600
10.70	128	10.70	195	DP111-10700	DP116-10700
10.80	128	10.70	195	DP111-10800	DP116-10800
10.90	128	10.70	195	DP111-10900	DP116-10900
11.00	128	10.70	195	DP111-11000	DP116-11000
11.10	128	10.70	195	DP111-11100	DP116-11100
11.20	128	10.70	195	DP111-11200	DP116-11200
11.30	128	10.70	195	DP111-11300	DP116-11300
11.40	128	10.70	195	DP111-11400	DP116-11400
11.50	128	10.70	195	DP111-11500	DP116-11500
11.60	128	10.70	195	DP111-11600	DP116-11600
11.70	128	10.70	195	DP111-11700	DP116-11700
11.80	128	10.70	195	DP111-11800	DP116-11800
11.90	134	11.90	205	DP111-11900	DP116-11900
12.00	134	11.90	205	DP111-12000	DP116-12000
12.10	134	11.90	205	DP111-12100	DP116-12100
12.20	134	11.90	205	DP111-12200	DP116-12200
12.30	134	11.90	205	DP111-12300	DP116-12300
12.40	134	11.90	205	DP111-12400	DP116-12400
12.50	134	11.90	205	DP111-12500	DP116-12500
12.60	134	11.90	205	DP111-12600	DP116-12600
12.70	134	11.90	205	DP111-12700	DP116-12700
12.80	134	11.90	205	DP111-12800	DP116-12800
12.90	134	11.90	205	DP111-12900	DP116-12900
13.00	134	11.90	205	DP111-13000	DP116-13000
13.10	134	11.90	205	DP111-13100	DP116-13100
13.20	134	11.90	205	DP111-13200	DP116-13200
13.30	140	13.30	214	DP111-13300	DP116-13300

尺寸公差				DP111	DP116
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L -mm	DP111	DP116
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
13.40	140	13.30	214	DP111-13400	DP116-13400
13.50	140	13.30	214	DP111-13500	DP116-13500
13.60	140	13.30	214	DP111-13600	DP116-13600
13.70	140	13.30	214	DP111-13700	DP116-13700
13.80	140	13.30	214	DP111-13800	DP116-13800
13.90	140	13.30	214	DP111-13900	DP116-13900
14.00	140	13.30	214	DP111-14000	DP116-14000
14.10	144	14.10	220	DP111-14100	DP116-14100
14.20	144	14.10	220	DP111-14200	DP116-14200
14.30	144	14.10	220	DP111-14300	DP116-14300
14.40	144	14.10	220	DP111-14400	DP116-14400
14.50	144	14.10	220	DP111-14500	DP116-14500
14.60	144	14.10	220	DP111-14600	DP116-14600
14.70	144	14.10	220	DP111-14700	DP116-14700
14.80	144	14.10	220	DP111-14800	DP116-14800
14.90	144	14.10	220	DP111-14900	DP116-14900
15.00	144	14.10	220	DP111-15000	DP116-15000
15.10	149	15.10	227	DP111-15100	DP116-15100
15.20	149	15.10	227	DP111-15200	DP116-15200
15.30	149	15.10	227	DP111-15300	DP116-15300
15.40	149	15.10	227	DP111-15400	DP116-15400
15.50	149	15.10	227	DP111-15500	DP116-15500
15.60	149	15.10	227	DP111-15600	DP116-15600
15.70	149	15.10	227	DP111-15700	DP116-15700
15.80	149	15.10	227	DP111-15800	DP116-15800
15.90	149	15.10	227	DP111-15900	DP116-15900
16.00	149	15.10	227	DP111-16000	DP116-16000
16.10	154	16.10	235	DP111-16100	DP116-16100
16.20	154	16.10	235	DP111-16200	DP116-16200
16.30	154	16.10	235	DP111-16300	DP116-16300
16.40	154	16.10	235	DP111-16400	DP116-16400
16.50	154	16.10	235	DP111-16500	DP116-16500
16.60	154	16.10	235	DP111-16600	DP116-16600
16.70	154	16.10	235	DP111-16700	DP116-16700
16.80	154	16.10	235	DP111-16800	DP116-16800
16.90	154	16.10	235	DP111-16900	DP116-16900
17.00	154	16.10	235	DP111-17000	DP116-17000
17.10	158	17.10	241	DP111-17100	DP116-17100
17.20	158	17.10	241	DP111-17200	DP116-17200
17.30	158	17.10	241	DP111-17300	DP116-17300
17.40	158	17.10	241	DP111-17400	DP116-17400
17.50	158	17.10	241	DP111-17500	DP116-17500
17.60	158	17.10	241	DP111-17600	DP116-17600
17.70	158	17.10	241	DP111-17700	DP116-17700
17.80	158	17.10	241	DP111-17800	DP116-17800
17.90	158	17.10	241	DP111-17900	DP116-17900
18.00	158	17.10	241	DP111-18000	DP116-18000
18.10	162	18.10	247	DP111-18100	DP116-18100
18.20	162	18.10	247	DP111-18200	DP116-18200
18.30	162	18.10	247	DP111-18300	DP116-18300
18.40	162	18.10	247	DP111-18400	DP116-18400
18.50	162	18.10	247	DP111-18500	DP116-18500
18.60	162	18.10	247	DP111-18600	DP116-18600
18.70	162	18.10	247	DP111-18700	DP116-18700
18.80	162	18.10	247	DP111-18800	DP116-18800
18.90	162	18.10	247	DP111-18900	DP116-18900
19.00	162	18.10	247	DP111-19000	DP116-19000
19.10	166	19.10	254	DP111-19100	DP116-19100
19.20	166	19.10	254	DP111-19200	DP116-19200
19.30	166	19.10	254	DP111-19300	DP116-19300
19.40	166	19.10	254	DP111-19400	DP116-19400
19.50	166	19.10	254	DP111-19500	DP116-19500
19.60	166	19.10	254	DP111-19600	DP116-19600
19.70	166	19.10	254	DP111-19700	DP116-19700
19.80	166	19.10	254	DP111-19800	DP116-19800
19.90	166	19.10	254	DP111-19900	DP116-19900
20.00	166	19.10	254	DP111-20000	DP116-20000



高速钢锥柄钻头 DIN345 通用系列

High Speed Steel Taper Shank Drill DIN345 Standard Series

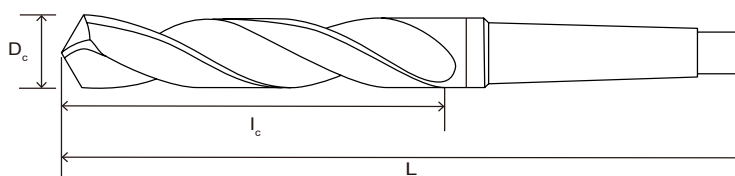
产品优点: Product Advantages:

1. 采用铣制 / 轧制工艺, 具有较高的性价比
2. 加大的 U 型槽设计, 有效提升排屑效率
3. 适用于莫氏锥度夹具的钻床, 车床

1. Milling/rolling process offers high cost-performance.
2. Enlarged U-shaped flute design effectively improves chip evacuation.
3. Suitable for drill presses and lathes with Morse taper chucks.

DH201 无涂层
Uncoated

DH203 渗氮工艺
Nitriding process



尺寸公差				DH201	DH203
直径	刃长	柄径	全长	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH201	DH203
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	52	133	MT1	DH201-05000	DH203-05000
5.50	57	138	MT1	DH201-05500	DH203-05500
6.00	57	138	MT1	DH201-06000	DH203-06000
6.50	63	144	MT1	DH201-06500	DH203-06500
7.00	69	150	MT1	DH201-07000	DH203-07000
7.50	69	150	MT1	DH201-07500	DH203-07500
8.00	75	156	MT1	DH201-08000	DH203-08000
8.50	75	156	MT1	DH201-08500	DH203-08500
9.00	81	162	MT1	DH201-09000	DH203-09000
9.50	81	162	MT1	DH201-09500	DH203-09500
9.80	87	168	MT1	DH201-09800	DH203-09800
10.00	87	168	MT1	DH201-10000	DH203-10000
10.25	87	168	MT1	DH201-10250	DH203-10250
10.50	87	168	MT1	DH201-10500	DH203-10500
10.75	94	175	MT1	DH201-10750	DH203-10750
11.00	94	175	MT1	DH201-11000	DH203-11000
11.25	94	175	MT1	DH201-11250	DH203-11250
11.75	94	175	MT1	DH201-11750	DH203-11750
12.00	101	182	MT1	DH201-12000	DH203-12000
12.25	101	182	MT1	DH201-12250	DH203-12250
13.00	101	182	MT1	DH201-13000	DH203-13000
13.25	108	189	MT1	DH201-13250	DH203-13250
13.50	108	189	MT1	DH201-13500	DH203-13500
13.75	108	189	MT1	DH201-13750	DH203-13750
14.00	108	189	MT1	DH201-14000	DH203-14000
14.25	114	212	MT2	DH201-14250	DH203-14250
14.50	114	212	MT2	DH201-14500	DH203-14500
14.75	114	212	MT2	DH201-14750	DH203-14750
15.00	114	212	MT2	DH201-15000	DH203-15000
15.25	120	218	MT2	DH201-15250	DH203-15250
15.50	120	218	MT2	DH201-15500	DH203-15500
15.75	120	218	MT2	DH201-15750	DH203-15750
16.00	120	218	MT2	DH201-16000	DH203-16000

尺寸公差				DH201	DH203
直径	刃长	柄径	全长	物料代码	物料代码
Dc (-0.02) -mm	Lc-mm	L-mm	Morse Taper	DH201	DH203
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
16.25	125	223	MT2	DH201-16250	DH203-16250
16.50	125	223	MT2	DH201-16500	DH203-16500
16.75	125	223	MT2	DH201-16750	DH203-16750
17.00	125	223	MT2	DH201-17000	DH203-17000
17.25	130	228	MT2	DH201-17250	DH203-17250
17.50	130	228	MT2	DH201-17500	DH203-17500
17.75	130	228	MT2	DH201-17750	DH203-17750
18.00	130	228	MT2	DH201-18000	DH203-18000
18.25	135	233	MT2	DH201-18250	DH203-18250
18.50	135	233	MT2	DH201-18500	DH203-18500
18.75	135	233	MT2	DH201-18750	DH203-18750
19.00	135	233	MT2	DH201-19000	DH203-19000
19.25	140	238	MT2	DH201-19250	DH203-19250
19.50	140	238	MT2	DH201-19500	DH203-19500
19.75	140	238	MT2	DH201-19750	DH203-19750
20.00	140	238	MT2	DH201-20000	DH203-20000
20.25	145	243	MT2	DH201-20250	DH203-20250
20.50	145	243	MT2	DH201-20500	DH203-20500
20.75	145	243	MT2	DH201-20750	DH203-20750
21.00	145	243	MT2	DH201-21000	DH203-21000
21.25	150	248	MT2	DH201-21250	DH203-21250
21.50	150	248	MT2	DH201-21500	DH203-21500
21.75	150	248	MT2	DH201-21750	DH203-21750
22.00	150	248	MT2	DH201-22000	DH203-22000
22.25	150	248	MT2	DH201-22250	DH203-22250
22.50	155	253	MT2	DH201-22500	DH203-22500
22.75	155	253	MT2	DH201-22750	DH203-22750
23.00	155	253	MT2	DH201-23000	DH203-23000
23.50	155	276	MT3	DH201-23500	DH203-23500
23.75	160	281	MT3	DH201-23750	DH203-23750
24.00	160	281	MT3	DH201-24000	DH203-24000
24.50	160	281	MT3	DH201-24500	DH203-24500
24.75	160	281	MT3	DH201-24750	DH203-24750
25.00	160	281	MT3	DH201-25000	DH203-25000
25.50	165	286	MT3	DH201-25500	DH203-25500
25.75	165	286	MT3	DH201-25750	DH203-25750
26.00	165	286	MT3	DH201-26000	DH203-26000
26.50	165	286	MT3	DH201-26500	DH203-26500
27.00	170	291	MT3	DH201-27000	DH203-27000
27.50	170	291	MT3	DH201-27500	DH203-27500
27.75	170	291	MT3	DH201-27750	DH203-27750
28.00	170	291	MT3	DH201-28000	DH203-28000
28.50	175	296	MT3	DH201-28500	DH203-28500
29.00	175	296	MT3	DH201-29000	DH203-29000
29.50	175	296	MT3	DH201-29500	DH203-29500
29.75	175	296	MT3	DH201-29750	DH203-29750
30.00	175	296	MT3	DH201-30000	DH203-30000
30.50	180	301	MT3	DH201-30500	DH203-30500
31.00	180	301	MT3	DH201-31000	DH203-31000
31.50	180	301	MT3	DH201-31500	DH203-31500
32.00	185	334	MT4	DH201-32000	DH203-32000
32.50	185	334	MT4	DH201-32500	DH203-32500
33.00	185	334	MT4	DH201-33000	DH203-33000
33.50	185	334	MT4	DH201-33500	DH203-33500
34.00	190	339	MT4	DH201-34000	DH203-34000
34.50	190	339	MT4	DH201-34500	DH203-34500
35.00	190	339	MT4	DH201-35000	DH203-35000
35.50	190	339	MT4	DH201-35500	DH203-35500
36.00	195	344	MT4	DH201-36000	DH203-36000
36.50	195	344	MT4	DH201-36500	DH203-36500
37.00	195	344	MT4	DH201-37000	DH203-37000
37.50	195	344	MT4	DH201-37500	DH203-37500
38.00	200	349	MT4	DH201-38000	DH203-38000
38.50	200	349	MT4	DH201-38500	DH203-38500
39.00	200	349	MT4	DH201-39000	DH203-39000
39.50	200	349	MT4	DH201-39500	DH203-39500
40.00	200	349	MT4	DH201-40000	DH203-40000
41.00	205	354	MT4	DH201-41000	DH203-41000
42.00	205	354	MT4	DH201-42000	DH203-42000
43.00	210	359	MT4	DH201-43000	DH203-43000
44.00	210	359	MT4	DH201-44000	DH203-44000

尺寸公差				DH201	DH203
直径	刃长	柄径	全长	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH201	DH203
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
45.00	210	359	MT4	DH201-45000	DH203-45000
46.00	215	364	MT4	DH201-46000	DH203-46000
47.00	215	364	MT4	DH201-47000	DH203-47000
48.00	220	369	MT4	DH201-48000	DH203-48000
49.00	220	369	MT4	DH201-49000	DH203-49000
50.00	220	369	MT4	DH201-50000	DH203-50000
55.00	230	417	MT5	DH201-55000	DH203-55000
60.00	235	422	MT5	DH201-60000	DH203-60000
65.00	245	432	MT5	DH201-65000	DH203-65000
70.00	250	437	MT5	DH201-70000	DH203-70000

HSS

-E

DIN

345

0

-0.020

h8

Shank

Helix

30-32°

135°

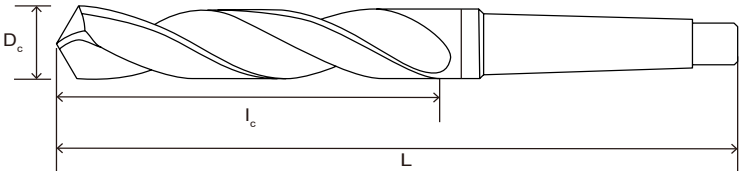
高速钢锥柄钻头 DIN345 通用系列
High Speed Steel Taper Shank Drill DIN345 Standard Series

- 产品优点:
Product
Advantages:

 - 1. 采用铣制 / 轧制工艺, 具有较高的性价比
 - 2. 加大的 U 型槽设计, 有效提升排屑效率
 - 3. 采用含钴 5% 高速钢, 提高使用寿命
 - 4. 适用于莫氏锥度夹具的钻床, 车床 "
- 1. Milling/rolling process offers high cost-performance.
 - 2. Enlarged U-shaped flute design effectively improves chip evacuation.
 - 3. Made of 5% cobalt high-speed steel for increased service life.
 - 4. Suitable for drill presses and lathes with Morse taper chucks.

DE201 无涂层
Uncoated

DE203 渗氮工艺
Nitriding process



尺寸公差				DE201	DE203
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE201	DE203
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	52	133	MT1	DE201-05000	DE203-05000
5.50	57	138	MT1	DE201-05500	DE203-05500
6.00	57	138	MT1	DE201-06000	DE203-06000
6.50	63	144	MT1	DE201-06500	DE203-06500
7.00	69	150	MT1	DE201-07000	DE203-07000
7.50	69	150	MT1	DE201-07500	DE203-07500
8.00	75	156	MT1	DE201-08000	DE203-08000
8.50	75	156	MT1	DE201-08500	DE203-08500
9.00	81	162	MT1	DE201-09000	DE203-09000
9.50	81	162	MT1	DE201-09500	DE203-09500
9.80	87	168	MT1	DE201-09800	DE203-09800
10.00	87	168	MT1	DE201-10000	DE203-10000
10.25	87	168	MT1	DE201-10250	DE203-10250
10.50	87	168	MT1	DE201-10500	DE203-10500
10.75	94	175	MT1	DE201-10750	DE203-10750
11.00	94	175	MT1	DE201-11000	DE203-11000
11.25	94	175	MT1	DE201-11250	DE203-11250
11.75	94	175	MT1	DE201-11750	DE203-11750
12.00	101	182	MT1	DE201-12000	DE203-12000
12.25	101	182	MT1	DE201-12250	DE203-12250
13.00	101	182	MT1	DE201-13000	DE203-13000
13.25	108	189	MT1	DE201-13250	DE203-13250
13.50	108	189	MT1	DE201-13500	DE203-13500
13.75	108	189	MT1	DE201-13750	DE203-13750
14.00	108	189	MT1	DE201-14000	DE203-14000
14.25	114	212	MT2	DE201-14250	DE203-14250
14.50	114	212	MT2	DE201-14500	DE203-14500
14.75	114	212	MT2	DE201-14750	DE203-14750
15.00	114	212	MT2	DE201-15000	DE203-15000
15.25	120	218	MT2	DE201-15250	DE203-15250
15.50	120	218	MT2	DE201-15500	DE203-15500
15.75	120	218	MT2	DE201-15750	DE203-15750
16.00	120	218	MT2	DE201-16000	DE203-16000

尺寸公差				DE201	DE203
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE201	DE203
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
16.25	125	223	MT2	DE201-16250	DE203-16250
16.50	125	223	MT2	DE201-16500	DE203-16500
16.75	125	223	MT2	DE201-16750	DE203-16750
17.00	125	223	MT2	DE201-17000	DE203-17000
17.25	130	228	MT2	DE201-17250	DE203-17250
17.50	130	228	MT2	DE201-17500	DE203-17500
17.75	130	228	MT2	DE201-17750	DE203-17750
18.00	130	228	MT2	DE201-18000	DE203-18000
18.25	135	233	MT2	DE201-18250	DE203-18250
18.50	135	233	MT2	DE201-18500	DE203-18500
18.75	135	233	MT2	DE201-18750	DE203-18750
19.00	135	233	MT2	DE201-19000	DE203-19000
19.25	140	238	MT2	DE201-19250	DE203-19250
19.50	140	238	MT2	DE201-19500	DE203-19500
19.75	140	238	MT2	DE201-19750	DE203-19750
20.00	140	238	MT2	DE201-20000	DE203-20000
20.25	145	243	MT2	DE201-20250	DE203-20250
20.50	145	243	MT2	DE201-20500	DE203-20500
20.75	145	243	MT2	DE201-20750	DE203-20750
21.00	145	243	MT2	DE201-21000	DE203-21000
21.25	150	248	MT2	DE201-21250	DE203-21250
21.50	150	248	MT2	DE201-21500	DE203-21500
21.75	150	248	MT2	DE201-21750	DE203-21750
22.00	150	248	MT2	DE201-22000	DE203-22000
22.25	150	248	MT2	DE201-22250	DE203-22250
22.50	155	253	MT2	DE201-22500	DE203-22500
22.75	155	253	MT2	DE201-22750	DE203-22750
23.00	155	253	MT2	DE201-23000	DE203-23000
23.50	155	276	MT3	DE201-23500	DE203-23500
23.75	160	281	MT3	DE201-23750	DE203-23750
24.00	160	281	MT3	DE201-24000	DE203-24000
24.50	160	281	MT3	DE201-24500	DE203-24500
24.75	160	281	MT3	DE201-24750	DE203-24750
25.00	160	281	MT3	DE201-25000	DE203-25000
25.50	165	286	MT3	DE201-25500	DE203-25500
25.75	165	286	MT3	DE201-25750	DE203-25750
26.00	165	286	MT3	DE201-26000	DE203-26000
26.50	165	286	MT3	DE201-26500	DE203-26500
27.00	170	291	MT3	DE201-27000	DE203-27000
27.50	170	291	MT3	DE201-27500	DE203-27500
27.75	170	291	MT3	DE201-27750	DE203-27750
28.00	170	291	MT3	DE201-28000	DE203-28000
28.50	175	296	MT3	DE201-28500	DE203-28500
29.00	175	296	MT3	DE201-29000	DE203-29000
29.50	175	296	MT3	DE201-29500	DE203-29500
29.75	175	296	MT3	DE201-29750	DE203-29750
30.00	175	296	MT3	DE201-30000	DE203-30000
30.50	180	301	MT3	DE201-30500	DE203-30500
31.00	180	301	MT3	DE201-31000	DE203-31000
31.50	180	301	MT3	DE201-31500	DE203-31500
32.00	185	334	MT4	DE201-32000	DE203-32000
32.50	185	334	MT4	DE201-32500	DE203-32500
33.00	185	334	MT4	DE201-33000	DE203-33000
33.50	185	334	MT4	DE201-33500	DE203-33500
34.00	190	339	MT4	DE201-34000	DE203-34000
34.50	190	339	MT4	DE201-34500	DE203-34500
35.00	190	339	MT4	DE201-35000	DE203-35000
35.50	190	339	MT4	DE201-35500	DE203-35500
36.00	195	344	MT4	DE201-36000	DE203-36000
36.50	195	344	MT4	DE201-36500	DE203-36500
37.00	195	344	MT4	DE201-37000	DE203-37000
37.50	195	344	MT4	DE201-37500	DE203-37500
38.00	200	349	MT4	DE201-38000	DE203-38000
38.50	200	349	MT4	DE201-38500	DE203-38500
39.00	200	349	MT4	DE201-39000	DE203-39000
39.50	200	349	MT4	DE201-39500	DE203-39500
40.00	200	349	MT4	DE201-40000	DE203-40000
41.00	205	354	MT4	DE201-41000	DE203-41000
42.00	205	354	MT4	DE201-42000	DE203-42000
43.00	210	359	MT4	DE201-43000	DE203-43000
44.00	210	359	MT4	DE201-44000	DE203-44000

尺寸公差				DE201	DE203
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE201	DE203
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
45.00	210	359	MT4	DE201-45000	DE203-45000
46.00	215	364	MT4	DE201-46000	DE203-46000
47.00	215	364	MT4	DE201-47000	DE203-47000
48.00	220	369	MT4	DE201-48000	DE203-48000
49.00	220	369	MT4	DE201-49000	DE203-49000
50.00	220	369	MT4	DE201-50000	DE203-50000
55.00	230	417	MT5	DE201-55000	DE203-55000
60.00	235	422	MT5	DE201-60000	DE203-60000
65.00	245	432	MT5	DE201-65000	DE203-65000
70.00	250	437	MT5	DE201-70000	DE203-70000



高速钢锥柄钻头 DIN345 通用系列
High Speed Steel Taper Shank Drill DIN345 Standard Series

产品优点:
Product
Advantages:

1. 采用全磨工艺, 对比轧制具有更高的结构强度和精度
2. 加大的 U 型槽设计, 有效提升排屑效率
3. 高性能涂层显著增加使用寿命

1. Full grinding process offers higher structural strength and precision compared to rolling.
2. Enlarged U-shaped flute design effectively improves chip evacuation.
3. High-performance coating significantly extends service life.

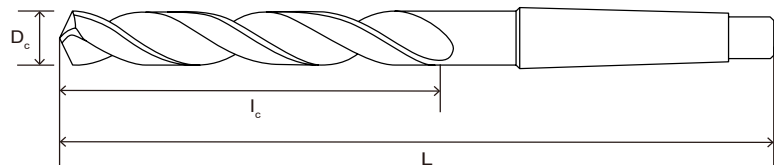
DH207

无涂层
Uncoated



DH208

镀钛涂层
TIN



尺寸公差				DH207	DH208
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH207	DH208
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	52	133	MT1	DH207-05000	DH208-05000
5.50	57	138	MT1	DH207-05500	DH208-05500
6.00	57	138	MT1	DH207-06000	DH208-06000
6.50	63	144	MT1	DH207-06500	DH208-06500
7.00	69	150	MT1	DH207-07000	DH208-07000
7.50	69	150	MT1	DH207-07500	DH208-07500
8.00	75	156	MT1	DH207-08000	DH208-08000
8.50	75	156	MT1	DH207-08500	DH208-08500
9.00	81	162	MT1	DH207-09000	DH208-09000
9.50	81	162	MT1	DH207-09500	DH208-09500
9.80	87	168	MT1	DH207-09800	DH208-09800
10.00	87	168	MT1	DH207-10000	DH208-10000
10.25	87	168	MT1	DH207-10250	DH208-10250
10.50	87	168	MT1	DH207-10500	DH208-10500
10.75	94	175	MT1	DH207-10750	DH208-10750
11.00	94	175	MT1	DH207-11000	DH208-11000
11.25	94	175	MT1	DH207-11250	DH208-11250
11.75	94	175	MT1	DH207-11750	DH208-11750
12.00	101	182	MT1	DH207-12000	DH208-12000
12.25	101	182	MT1	DH207-12250	DH208-12250
13.00	101	182	MT1	DH207-13000	DH208-13000
13.25	108	189	MT1	DH207-13250	DH208-13250
13.50	108	189	MT1	DH207-13500	DH208-13500
13.75	108	189	MT1	DH207-13750	DH208-13750
14.00	108	189	MT1	DH207-14000	DH208-14000
14.25	114	212	MT2	DH207-14250	DH208-14250
14.50	114	212	MT2	DH207-14500	DH208-14500
14.75	114	212	MT2	DH207-14750	DH208-14750
15.00	114	212	MT2	DH207-15000	DH208-15000
15.25	120	218	MT2	DH207-15250	DH208-15250
15.50	120	218	MT2	DH207-15500	DH208-15500
15.75	120	218	MT2	DH207-15750	DH208-15750
16.00	120	218	MT2	DH207-16000	DH208-16000

尺寸公差				DH207	DH208
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH207	DH208
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
16.25	125	223	MT2	DH207-16250	DH208-16250
16.50	125	223	MT2	DH207-16500	DH208-16500
16.75	125	223	MT2	DH207-16750	DH208-16750
17.00	125	223	MT2	DH207-17000	DH208-17000
17.25	130	228	MT2	DH207-17250	DH208-17250
17.50	130	228	MT2	DH207-17500	DH208-17500
17.75	130	228	MT2	DH207-17750	DH208-17750
18.00	130	228	MT2	DH207-18000	DH208-18000
18.25	135	233	MT2	DH207-18250	DH208-18250
18.50	135	233	MT2	DH207-18500	DH208-18500
18.75	135	233	MT2	DH207-18750	DH208-18750
19.00	135	233	MT2	DH207-19000	DH208-19000
19.25	140	238	MT2	DH207-19250	DH208-19250
19.50	140	238	MT2	DH207-19500	DH208-19500
19.75	140	238	MT2	DH207-19750	DH208-19750
20.00	140	238	MT2	DH207-20000	DH208-20000
20.25	145	243	MT2	DH207-20250	DH208-20250
20.50	145	243	MT2	DH207-20500	DH208-20500
20.75	145	243	MT2	DH207-20750	DH208-20750
21.00	145	243	MT2	DH207-21000	DH208-21000
21.25	150	248	MT2	DH207-21250	DH208-21250
21.50	150	248	MT2	DH207-21500	DH208-21500
21.75	150	248	MT2	DH207-21750	DH208-21750
22.00	150	248	MT2	DH207-22000	DH208-22000
22.25	150	248	MT2	DH207-22250	DH208-22250
22.50	155	253	MT2	DH207-22500	DH208-22500
22.75	155	253	MT2	DH207-22750	DH208-22750
23.00	155	253	MT2	DH207-23000	DH208-23000
23.50	155	276	MT3	DH207-23500	DH208-23500
23.75	160	281	MT3	DH207-23750	DH208-23750
24.00	160	281	MT3	DH207-24000	DH208-24000
24.50	160	281	MT3	DH207-24500	DH208-24500
24.75	160	281	MT3	DH207-24750	DH208-24750
25.00	160	281	MT3	DH207-25000	DH208-25000



高速钢锥柄钻头 DIN345 通用系列 High Speed Steel Taper Shank Drill DIN345 Standard Series

产品优点: Product Advantages:

1. 采用全磨工艺, 对比轧制具有更高的结构强度和精度
2. 加大的 U 型槽设计, 有效提升排屑效率
3. 采用含钴 5% 高速钢, 提高使用寿命
4. 高性能涂层显著增加使用寿命
5. 适用于莫氏锥度夹具的钻床, 车床

1. Full grinding process offers higher structural strength and precision compared to rolling.
2. Enlarged U-shaped flute design effectively improves chip evacuation.
3. Made of 5% cobalt high-speed steel for increased service life.
4. High-performance coating significantly extends service life.
5. Suitable for drill presses and lathes with Morse taper chucks.

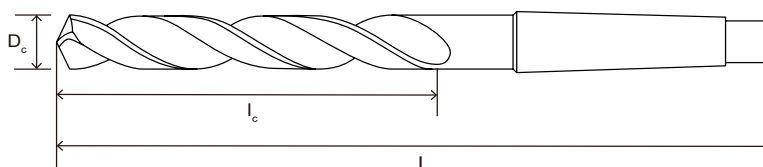
DE207

无涂层
Uncoated



DE208

镀钛涂层
TIN



尺寸公差				DE207	DE208
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE207	DE208
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	52	133	MT1	DE207-05000	DE208-05000
5.50	57	138	MT1	DE207-05500	DE208-05500
6.00	57	138	MT1	DE207-06000	DE208-06000
6.50	63	144	MT1	DE207-06500	DE208-06500
7.00	69	150	MT1	DE207-07000	DE208-07000
7.50	69	150	MT1	DE207-07500	DE208-07500
8.00	75	156	MT1	DE207-08000	DE208-08000
8.50	75	156	MT1	DE207-08500	DE208-08500
9.00	81	162	MT1	DE207-09000	DE208-09000
9.50	81	162	MT1	DE207-09500	DE208-09500
9.80	87	168	MT1	DE207-09800	DE208-09800
10.00	87	168	MT1	DE207-10000	DE208-10000
10.25	87	168	MT1	DE207-10250	DE208-10250
10.50	87	168	MT1	DE207-10500	DE208-10500
10.75	94	175	MT1	DE207-10750	DE208-10750
11.00	94	175	MT1	DE207-11000	DE208-11000
11.25	94	175	MT1	DE207-11250	DE208-11250
11.75	94	175	MT1	DE207-11750	DE208-11750
12.00	101	182	MT1	DE207-12000	DE208-12000
12.25	101	182	MT1	DE207-12250	DE208-12250
13.00	101	182	MT1	DE207-13000	DE208-13000
13.25	108	189	MT1	DE207-13250	DE208-13250
13.50	108	189	MT1	DE207-13500	DE208-13500
13.75	108	189	MT1	DE207-13750	DE208-13750
14.00	108	189	MT1	DE207-14000	DE208-14000
14.25	114	212	MT2	DE207-14250	DE208-14250
14.50	114	212	MT2	DE207-14500	DE208-14500
14.75	114	212	MT2	DE207-14750	DE208-14750
15.00	114	212	MT2	DE207-15000	DE208-15000
15.25	120	218	MT2	DE207-15250	DE208-15250
15.50	120	218	MT2	DE207-15500	DE208-15500
15.75	120	218	MT2	DE207-15750	DE208-15750
16.00	120	218	MT2	DE207-16000	DE208-16000

钻头系列
DRILL SERIES

尺寸公差				DE207	DE208
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE207	DE208
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
16.25	125	223	MT2	DE207-16250	DE208-16250
16.50	125	223	MT2	DE207-16500	DE208-16500
16.75	125	223	MT2	DE207-16750	DE208-16750
17.00	125	223	MT2	DE207-17000	DE208-17000
17.25	130	228	MT2	DE207-17250	DE208-17250
17.50	130	228	MT2	DE207-17500	DE208-17500
17.75	130	228	MT2	DE207-17750	DE208-17750
18.00	130	228	MT2	DE207-18000	DE208-18000
18.25	135	233	MT2	DE207-18250	DE208-18250
18.50	135	233	MT2	DE207-18500	DE208-18500
18.75	135	233	MT2	DE207-18750	DE208-18750
19.00	135	233	MT2	DE207-19000	DE208-19000
19.25	140	238	MT2	DE207-19250	DE208-19250
19.50	140	238	MT2	DE207-19500	DE208-19500
19.75	140	238	MT2	DE207-19750	DE208-19750
20.00	140	238	MT2	DE207-20000	DE208-20000
20.25	145	243	MT2	DE207-20250	DE208-20250
20.50	145	243	MT2	DE207-20500	DE208-20500
20.75	145	243	MT2	DE207-20750	DE208-20750
21.00	145	243	MT2	DE207-21000	DE208-21000
21.25	150	248	MT2	DE207-21250	DE208-21250
21.50	150	248	MT2	DE207-21500	DE208-21500
21.75	150	248	MT2	DE207-21750	DE208-21750
22.00	150	248	MT2	DE207-22000	DE208-22000
22.25	150	248	MT2	DE207-22250	DE208-22250
22.50	155	253	MT2	DE207-22500	DE208-22500
22.75	155	253	MT2	DE207-22750	DE208-22750
23.00	155	253	MT2	DE207-23000	DE208-23000
23.50	155	276	MT3	DE207-23500	DE208-23500
23.75	160	281	MT3	DE207-23750	DE208-23750
24.00	160	281	MT3	DE207-24000	DE208-24000
24.50	160	281	MT3	DE207-24500	DE208-24500
24.75	160	281	MT3	DE207-24750	DE208-24750
25.00	160	281	MT3	DE207-25000	DE208-25000



高速钢锥柄钻头 DIN341 加长系列

High Speed Steel Taper Shank Drill DIN341 Long Series

产品优点:
Product
Advantages:

1. 采用铣制 / 轧制工艺, 具有较高的性价比
2. 加大的 U 型槽设计, 有效提升排屑效率 "

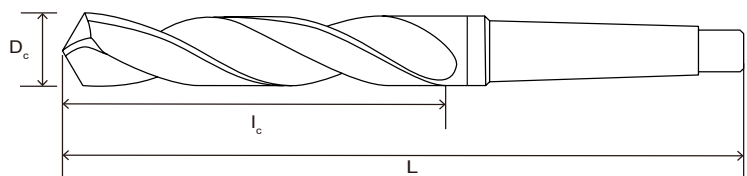
1. Milling/rolling process offers high cost-performance.
2. Enlarged U-shaped flute design effectively improves chip evacuation.

DH211

无涂层
Uncoated

DH213

渗氮工艺
Nitriding
process



尺寸公差				DH211	DH213
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH211	DH213
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	74	155	MT1	DH211-05000	DH213-05000
5.50	80	161	MT1	DH211-05500	DH213-05500
6.00	80	161	MT1	DH211-06000	DH213-06000
6.50	86	167	MT1	DH211-06500	DH213-06500
7.00	93	174	MT1	DH211-07000	DH213-07000
7.50	93	174	MT1	DH211-07500	DH213-07500
8.00	100	181	MT1	DH211-08000	DH213-08000
8.50	100	181	MT1	DH211-08500	DH213-08500
9.00	107	188	MT1	DH211-09000	DH213-09000
9.50	107	188	MT1	DH211-09500	DH213-09500
10.00	116	197	MT1	DH211-10000	DH213-10000
10.50	116	197	MT1	DH211-10500	DH213-10500
11.00	125	206	MT1	DH211-11000	DH213-11000
11.50	125	206	MT1	DH211-11500	DH213-11500
12.00	134	215	MT1	DH211-12000	DH213-12000
12.50	134	215	MT1	DH211-12500	DH213-12500
13.00	134	215	MT1	DH211-13000	DH213-13000
13.50	142	223	MT1	DH211-13500	DH213-13500
14.00	142	223	MT1	DH211-14000	DH213-14000
14.50	147	245	MT2	DH211-14500	DH213-14500
15.00	147	245	MT2	DH211-15000	DH213-15000
15.50	153	251	MT2	DH211-15500	DH213-15500
16.00	153	251	MT2	DH211-16000	DH213-16000
16.50	159	257	MT2	DH211-16500	DH213-16500
17.00	159	257	MT2	DH211-17000	DH213-17000
17.50	165	263	MT2	DH211-17500	DH213-17500
18.00	165	263	MT2	DH211-18000	DH213-18000
18.50	171	269	MT2	DH211-18500	DH213-18500
19.00	171	269	MT2	DH211-19000	DH213-19000
19.50	177	275	MT2	DH211-19500	DH213-19500
20.00	177	275	MT2	DH211-20000	DH213-20000
20.50	184	282	MT2	DH211-20500	DH213-20500
21.00	184	282	MT2	DH211-21000	DH213-21000

尺寸公差				DH211	DH213
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH211	DH213
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
21.50	191	289	MT2	DH211-21500	DH213-21500
22.00	191	289	MT2	DH211-22000	DH213-22000
22.50	198	296	MT2	DH211-22500	DH213-22500
23.00	198	289	MT2	DH211-23000	DH213-23000
23.50	202	319	MT3	DH211-23500	DH213-23500
24.00	206	327	MT3	DH211-24000	DH213-24000
24.50	206	327	MT3	DH211-24500	DH213-24500
25.00	206	327	MT3	DH211-25000	DH213-25000
25.50	214	335	MT3	DH211-25500	DH213-25500
26.00	214	335	MT3	DH211-26000	DH213-26000
26.50	214	335	MT3	DH211-26500	DH213-26500
27.00	222	343	MT3	DH211-27000	DH213-27000
27.50	222	343	MT3	DH211-27500	DH213-27500
28.00	230	351	MT3	DH211-28000	DH213-28000
28.50	230	351	MT3	DH211-28500	DH213-28500
29.00	230	351	MT3	DH211-29000	DH213-29000
29.50	230	351	MT3	DH211-29500	DH213-29500
30.00	230	351	MT3	DH211-30000	DH213-30000
30.50	239	360	MT3	DH211-30500	DH213-30500
31.00	239	360	MT3	DH211-31000	DH213-31000
31.50	239	360	MT4	DH211-31500	DH213-31500
32.00	248	391	MT4	DH211-32000	DH213-32000
32.50	248	397	MT4	DH211-32500	DH213-32500
33.00	248	397	MT4	DH211-33000	DH213-33000
33.50	248	397	MT4	DH211-33500	DH213-33500
34.00	257	406	MT4	DH211-34000	DH213-34000
35.00	257	406	MT4	DH211-35000	DH213-35000
36.00	267	416	MT4	DH211-36000	DH213-36000
37.00	267	416	MT4	DH211-37000	DH213-37000
38.00	277	426	MT4	DH211-38000	DH213-38000
39.00	277	426	MT4	DH211-39000	DH213-39000
40.00	277	426	MT4	DH211-40000	DH213-40000
41.00	287	436	MT4	DH211-41000	DH213-41000
42.00	287	436	MT4	DH211-42000	DH213-42000
43.00	298	447	MT4	DH211-43000	DH213-43000
44.00	298	447	MT4	DH211-44000	DH213-44000
45.00	298	447	MT4	DH211-45000	DH213-45000
46.00	310	459	MT4	DH211-46000	DH213-46000
47.00	310	459	MT4	DH211-47000	DH213-47000
48.00	321	470	MT4	DH211-48000	DH213-48000
49.00	321	470	MT4	DH211-49000	DH213-49000
50.00	321	470	MT4	DH211-50000	DH213-50000



高速钢锥柄钻头 DIN341 加长系列

High Speed Steel Taper Shank Drill DIN341 Long Series

产品优点: Product Advantages:

1. 采用铣制 / 轧制工艺, 具有较高的性价比
2. 加大的 U 型槽设计, 有效提升排屑效率
3. 采用含钴 5% 高速钢, 提高使用寿命
4. 适用于莫氏锥度夹具的钻床, 车床

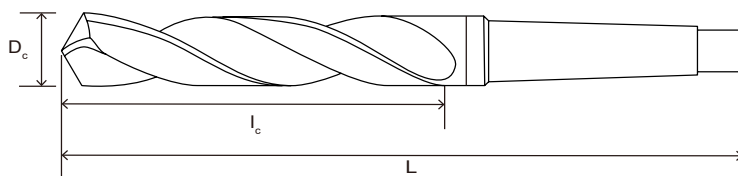
1. Milling/rolling process offers high cost-performance.
2. Enlarged U-shaped flute design effectively improves chip evacuation.
3. Made of 5% cobalt high-speed steel for increased service life.
4. Suitable for drill presses and lathes with Morse taper chucks.

DE211

无涂层
Uncoated

DE213

渗氮工艺
Nitriding
process



尺寸公差				DE211	DE213
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE211	DE213
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	74	155	MT1	DE211-05000	DE213-05000
5.50	80	161	MT1	DE211-05500	DE213-05500
6.00	80	161	MT1	DE211-06000	DE213-06000
6.50	86	167	MT1	DE211-06500	DE213-06500
7.00	93	174	MT1	DE211-07000	DE213-07000
7.50	93	174	MT1	DE211-07500	DE213-07500
8.00	100	181	MT1	DE211-08000	DE213-08000
8.50	100	181	MT1	DE211-08500	DE213-08500
9.00	107	188	MT1	DE211-09000	DE213-09000
9.50	107	188	MT1	DE211-09500	DE213-09500
10.00	116	197	MT1	DE211-10000	DE213-10000
10.50	116	197	MT1	DE211-10500	DE213-10500
11.00	125	206	MT1	DE211-11000	DE213-11000
11.50	125	206	MT1	DE211-11500	DE213-11500
12.00	134	215	MT1	DE211-12000	DE213-12000
12.50	134	215	MT1	DE211-12500	DE213-12500
13.00	134	215	MT1	DE211-13000	DE213-13000
13.50	142	223	MT1	DE211-13500	DE213-13500
14.00	142	223	MT1	DE211-14000	DE213-14000
14.50	147	245	MT2	DE211-14500	DE213-14500
15.00	147	245	MT2	DE211-15000	DE213-15000
15.50	153	251	MT2	DE211-15500	DE213-15500
16.00	153	251	MT2	DE211-16000	DE213-16000
16.50	159	257	MT2	DE211-16500	DE213-16500
17.00	159	257	MT2	DE211-17000	DE213-17000
17.50	165	263	MT2	DE211-17500	DE213-17500
18.00	165	263	MT2	DE211-18000	DE213-18000
18.50	171	269	MT2	DE211-18500	DE213-18500
19.00	171	269	MT2	DE211-19000	DE213-19000
19.50	177	275	MT2	DE211-19500	DE213-19500
20.00	177	275	MT2	DE211-20000	DE213-20000
20.50	184	282	MT2	DE211-20500	DE213-20500
21.00	184	282	MT2	DE211-21000	DE213-21000

尺寸公差				DE211	DE213
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE211	DE213
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
21.50	191	289	MT2	DE211-21500	DE213-21500
22.00	191	289	MT2	DE211-22000	DE213-22000
22.50	198	296	MT2	DE211-22500	DE213-22500
23.00	198	289	MT2	DE211-23000	DE213-23000
23.50	202	319	MT3	DE211-23500	DE213-23500
24.00	206	327	MT3	DE211-24000	DE213-24000
24.50	206	327	MT3	DE211-24500	DE213-24500
25.00	206	327	MT3	DE211-25000	DE213-25000
25.50	214	335	MT3	DE211-25500	DE213-25500
26.00	214	335	MT3	DE211-26000	DE213-26000
26.50	214	335	MT3	DE211-26500	DE213-26500
27.00	222	343	MT3	DE211-27000	DE213-27000
27.50	222	343	MT3	DE211-27500	DE213-27500
28.00	230	351	MT3	DE211-28000	DE213-28000
28.50	230	351	MT3	DE211-28500	DE213-28500
29.00	230	351	MT3	DE211-29000	DE213-29000
29.50	230	351	MT3	DE211-29500	DE213-29500
30.00	230	351	MT3	DE211-30000	DE213-30000
30.50	239	360	MT3	DE211-30500	DE213-30500
31.00	239	360	MT3	DE211-31000	DE213-31000
31.50	239	360	MT4	DE211-31500	DE213-31500
32.00	248	391	MT4	DE211-32000	DE213-32000
32.50	248	397	MT4	DE211-32500	DE213-32500
33.00	248	397	MT4	DE211-33000	DE213-33000
33.50	248	397	MT4	DE211-33500	DE213-33500
34.00	257	406	MT4	DE211-34000	DE213-34000
35.00	257	406	MT4	DE211-35000	DE213-35000
36.00	267	416	MT4	DE211-36000	DE213-36000
37.00	267	416	MT4	DE211-37000	DE213-37000
38.00	277	426	MT4	DE211-38000	DE213-38000
39.00	277	426	MT4	DE211-39000	DE213-39000
40.00	277	426	MT4	DE211-40000	DE213-40000
41.00	287	436	MT4	DE211-41000	DE213-41000
42.00	287	436	MT4	DE211-42000	DE213-42000
43.00	298	447	MT4	DE211-43000	DE213-43000
44.00	298	447	MT4	DE211-44000	DE213-44000
45.00	298	447	MT4	DE211-45000	DE213-45000
46.00	310	459	MT4	DE211-46000	DE213-46000
47.00	310	459	MT4	DE211-47000	DE213-47000
48.00	321	470	MT4	DE211-48000	DE213-48000
49.00	321	470	MT4	DE211-49000	DE213-49000
50.00	321	470	MT4	DE211-50000	DE213-50000



高速钢锥柄钻头 DIN341 加长系列

High Speed Steel Taper Shank Drill DIN341 Long Series

产品优点: Product Advantages:

1. 采用全磨工艺, 对比轧制具有更高的结构强度和精度
2. 加大的 U 型槽设计, 有效提升排屑效率
3. 适用于莫氏锥度夹具的钻床, 车床

1. Full grinding process offers higher structural strength and precision compared to rolling.
2. Enlarged U-shaped flute design effectively improves chip evacuation.
3. Suitable for drill presses and lathes with Morse taper chucks.

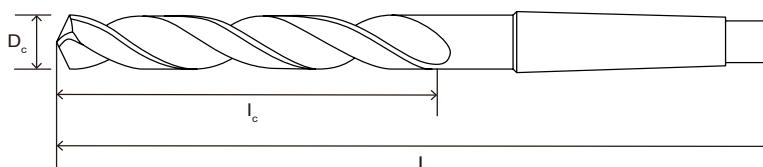
DH217

无涂层
Uncoated



DH218

镀钛涂层
TIN



尺寸公差				DH217	DH218
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH217	DH218
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	74	155	MT1	DH217-05000	DH218-05000
5.50	80	161	MT1	DH217-05500	DH218-05500
6.00	80	161	MT1	DH217-06000	DH218-06000
6.50	86	167	MT1	DH217-06500	DH218-06500
7.00	93	174	MT1	DH217-07000	DH218-07000
7.50	93	174	MT1	DH217-07500	DH218-07500
8.00	100	181	MT1	DH217-08000	DH218-08000
8.50	100	181	MT1	DH217-08500	DH218-08500
9.00	107	188	MT1	DH217-09000	DH218-09000
9.50	107	188	MT1	DH217-09500	DH218-09500
10.00	116	197	MT1	DH217-10000	DH218-10000
10.50	116	197	MT1	DH217-10500	DH218-10500
11.00	125	206	MT1	DH217-11000	DH218-11000
11.50	125	206	MT1	DH217-11500	DH218-11500
12.00	134	215	MT1	DH217-12000	DH218-12000
12.50	134	215	MT1	DH217-12500	DH218-12500
13.00	134	215	MT1	DH217-13000	DH218-13000
13.50	142	223	MT1	DH217-13500	DH218-13500
14.00	142	223	MT1	DH217-14000	DH218-14000
14.50	147	245	MT2	DH217-14500	DH218-14500
15.00	147	245	MT2	DH217-15000	DH218-15000
15.50	153	251	MT2	DH217-15500	DH218-15500
16.00	153	251	MT2	DH217-16000	DH218-16000
16.50	159	257	MT2	DH217-16500	DH218-16500
17.00	159	257	MT2	DH217-17000	DH218-17000
17.50	165	263	MT2	DH217-17500	DH218-17500
18.00	165	263	MT2	DH217-18000	DH218-18000
18.50	171	269	MT2	DH217-18500	DH218-18500
19.00	171	269	MT2	DH217-19000	DH218-19000
19.50	177	275	MT2	DH217-19500	DH218-19500
20.00	177	275	MT2	DH217-20000	DH218-20000
20.50	184	282	MT2	DH217-20500	DH218-20500
21.00	184	282	MT2	DH217-21000	DH218-21000

尺寸公差				DH217	DH218
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02) -mm	lc-mm	L-mm	Morse Taper	DH217	DH218
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
21.50	191	289	MT2	DH217-21500	DH218-21500
22.00	191	289	MT2	DH217-22000	DH218-22000
22.50	198	296	MT2	DH217-22500	DH218-22500
23.00	198	289	MT2	DH217-23000	DH218-23000
23.50	202	319	MT3	DH217-23500	DH218-23500
24.00	206	327	MT3	DH217-24000	DH218-24000
24.50	206	327	MT3	DH217-24500	DH218-24500
25.00	206	327	MT3	DH217-25000	DH218-25000
25.50	214	335	MT3	DH217-25500	DH218-25500
26.00	214	335	MT3	DH217-26000	DH218-26000
26.50	214	335	MT3	DH217-26500	DH218-26500
27.00	222	343	MT3	DH217-27000	DH218-27000
27.50	222	343	MT3	DH217-27500	DH218-27500
28.00	230	351	MT3	DH217-28000	DH218-28000
28.50	230	351	MT3	DH217-28500	DH218-28500
29.00	230	351	MT3	DH217-29000	DH218-29000
29.50	230	351	MT3	DH217-29500	DH218-29500
30.00	230	351	MT3	DH217-30000	DH218-30000
30.50	239	360	MT3	DH217-30500	DH218-30500
31.00	239	360	MT3	DH217-31000	DH218-31000
31.50	239	360	MT4	DH217-31500	DH218-31500
32.00	248	391	MT4	DH217-32000	DH218-32000
32.50	248	397	MT4	DH217-32500	DH218-32500
33.00	248	397	MT4	DH217-33000	DH218-33000
33.50	248	397	MT4	DH217-33500	DH218-33500
34.00	257	406	MT4	DH217-34000	DH218-34000
35.00	257	406	MT4	DH217-35000	DH218-35000
36.00	267	416	MT4	DH217-36000	DH218-36000
37.00	267	416	MT4	DH217-37000	DH218-37000
38.00	277	426	MT4	DH217-38000	DH218-38000
39.00	277	426	MT4	DH217-39000	DH218-39000
40.00	277	426	MT4	DH217-40000	DH218-40000
41.00	287	436	MT4	DH217-41000	DH218-41000
42.00	287	436	MT4	DH217-42000	DH218-42000
43.00	298	447	MT4	DH217-43000	DH218-43000
44.00	298	447	MT4	DH217-44000	DH218-44000
45.00	298	447	MT4	DH217-45000	DH218-45000
46.00	310	459	MT4	DH217-46000	DH218-46000
47.00	310	459	MT4	DH217-47000	DH218-47000
48.00	321	470	MT4	DH217-48000	DH218-48000
49.00	321	470	MT4	DH217-49000	DH218-49000
50.00	321	470	MT4	DH217-50000	DH218-50000

HSS -E	DIN 341	0 -0.020	h8	Shank	Helix 30-32°	135°	Fully ground
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高速钢锥柄钻头 DIN341 加长系列

High Speed Steel Taper Shank Drill DIN341 Long Series

产品优点: Product Advantages:

1. 采用全磨工艺, 对比轧制具有更高的结构强度和精度
2. 加大的 U 型槽设计, 有效提升排屑效率
3. 采用含钴 5% 高速钢, 提高使用寿命
4. 适用于莫氏锥度夹具的钻床, 车床

1. Full grinding process offers higher structural strength and precision compared to rolling.
2. Enlarged U-shaped flute design effectively improves chip evacuation.
3. Made of 5% cobalt high-speed steel for increased service life.
4. Suitable for drill presses and lathes with Morse taper chucks.

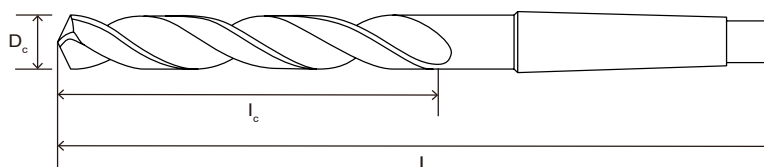
DE217

无涂层
Uncoated



DE218

镀钛涂层
TIN



尺寸公差				DE217	DE218
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE217	DE218
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
5.00	74	155	MT1	DH217-05000	DH218-05000
5.50	80	161	MT1	DH217-05500	DH218-05500
6.00	80	161	MT1	DH217-06000	DH218-06000
6.50	86	167	MT1	DH217-06500	DH218-06500
7.00	93	174	MT1	DH217-07000	DH218-07000
7.50	93	174	MT1	DH217-07500	DH218-07500
8.00	100	181	MT1	DH217-08000	DH218-08000
8.50	100	181	MT1	DH217-08500	DH218-08500
9.00	107	188	MT1	DH217-09000	DH218-09000
9.50	107	188	MT1	DH217-09500	DH218-09500
10.00	116	197	MT1	DH217-10000	DH218-10000
10.50	116	197	MT1	DH217-10500	DH218-10500
11.00	125	206	MT1	DH217-11000	DH218-11000
11.50	125	206	MT1	DH217-11500	DH218-11500
12.00	134	215	MT1	DH217-12000	DH218-12000
12.50	134	215	MT1	DH217-12500	DH218-12500
13.00	134	215	MT1	DH217-13000	DH218-13000
13.50	142	223	MT1	DH217-13500	DH218-13500
14.00	142	223	MT1	DH217-14000	DH218-14000
14.50	147	245	MT2	DH217-14500	DH218-14500
15.00	147	245	MT2	DH217-15000	DH218-15000
15.50	153	251	MT2	DH217-15500	DH218-15500
16.00	153	251	MT2	DH217-16000	DH218-16000
16.50	159	257	MT2	DH217-16500	DH218-16500
17.00	159	257	MT2	DH217-17000	DH218-17000
17.50	165	263	MT2	DH217-17500	DH218-17500
18.00	165	263	MT2	DH217-18000	DH218-18000
18.50	171	269	MT2	DH217-18500	DH218-18500
19.00	171	269	MT2	DH217-19000	DH218-19000
19.50	177	275	MT2	DH217-19500	DH218-19500
20.00	177	275	MT2	DH217-20000	DH218-20000
20.50	184	282	MT2	DH217-20500	DH218-20500
21.00	184	282	MT2	DH217-21000	DH218-21000

尺寸公差				DE217	DE218
直径	刃长	全长	莫氏柄	物料代码	物料代码
Dc (-0.02)-mm	lc-mm	L-mm	Morse Taper	DE217	DE218
Cutting Diameter	Cutting Length	Total Length	Shank Type	Art. Number	Art. Number
21.50	191	289	MT2	DH217-21500	DH218-21500
22.00	191	289	MT2	DH217-22000	DH218-22000
22.50	198	296	MT2	DH217-22500	DH218-22500
23.00	198	289	MT2	DH217-23000	DH218-23000
23.50	202	319	MT3	DH217-23500	DH218-23500
24.00	206	327	MT3	DH217-24000	DH218-24000
24.50	206	327	MT3	DH217-24500	DH218-24500
25.00	206	327	MT3	DH217-25000	DH218-25000
25.50	214	335	MT3	DH217-25500	DH218-25500
26.00	214	335	MT3	DH217-26000	DH218-26000
26.50	214	335	MT3	DH217-26500	DH218-26500
27.00	222	343	MT3	DH217-27000	DH218-27000
27.50	222	343	MT3	DH217-27500	DH218-27500
28.00	230	351	MT3	DH217-28000	DH218-28000
28.50	230	351	MT3	DH217-28500	DH218-28500
29.00	230	351	MT3	DH217-29000	DH218-29000
29.50	230	351	MT3	DH217-29500	DH218-29500
30.00	230	351	MT3	DH217-30000	DH218-30000
30.50	239	360	MT3	DH217-30500	DH218-30500
31.00	239	360	MT3	DH217-31000	DH218-31000
31.50	239	360	MT4	DH217-31500	DH218-31500
32.00	248	391	MT4	DH217-32000	DH218-32000
32.50	248	397	MT4	DH217-32500	DH218-32500
33.00	248	397	MT4	DH217-33000	DH218-33000
33.50	248	397	MT4	DH217-33500	DH218-33500
34.00	257	406	MT4	DH217-34000	DH218-34000
35.00	257	406	MT4	DH217-35000	DH218-35000
36.00	267	416	MT4	DH217-36000	DH218-36000
37.00	267	416	MT4	DH217-37000	DH218-37000
38.00	277	426	MT4	DH217-38000	DH218-38000
39.00	277	426	MT4	DH217-39000	DH218-39000
40.00	277	426	MT4	DH217-40000	DH218-40000
41.00	287	436	MT4	DH217-41000	DH218-41000
42.00	287	436	MT4	DH217-42000	DH218-42000
43.00	298	447	MT4	DH217-43000	DH218-43000
44.00	298	447	MT4	DH217-44000	DH218-44000
45.00	298	447	MT4	DH217-45000	DH218-45000
46.00	310	459	MT4	DH217-46000	DH218-46000
47.00	310	459	MT4	DH217-47000	DH218-47000
48.00	321	470	MT4	DH217-48000	DH218-48000
49.00	321	470	MT4	DH217-49000	DH218-49000
50.00	321	470	MT4	DH217-50000	DH218-50000



高速钢直柄钻头 DIN338 小柄系列 High Speed Steel Straight Shank Drill DIN338 with Small Shank

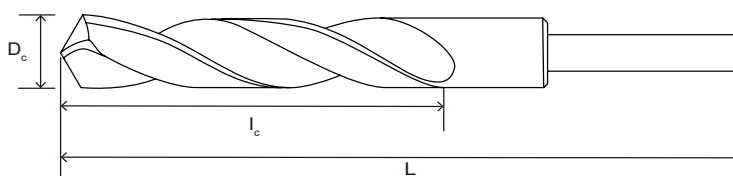
产品优点:
Product
Advantages:

1. 独特的直柄设计，满足直柄大直径的加工需求
2. 机加工，手电钻加工通用，具有较高的性价比 "

1. Unique straight shank design meets large-diameter machining requirements with straight shanks.
2. Suitable for both machine drilling and hand-held electric drilling, offering high cost-performance.

DH301
DE301

无涂层
Uncoated



尺寸公差				DH301	DE301
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.02)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH301	DE301
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
8.50	75	8	117	DH301-08500	DE301-08500
9.00	81	8	125	DH301-09000	DE301-09000
9.50	81	8	125	DH301-09500	DE301-09500
10.00	87	8	133	DH301-10000	DE301-10000
10.50	87	8	133	DH301-10500	DE301-10500
11.00	94	8	142	DH301-11000	DE301-11000
11.50	94	8	142	DH301-11500	DE301-11500
12.00	101	8	151	DH301-12000	DE301-12000
12.50	101	8	151	DH301-12500	DE301-12500
13.00	101	8	151	DH301-13000	DE301-13000
10.50	87	10	133	DH301-10500	DE301-10500
11.00	94	10	142	DH301-11000	DE301-11000
11.50	94	10	142	DH301-11500	DE301-11500
12.00	101	10	151	DH301-12000	DE301-12000
12.50	101	10	151	DH301-12500	DE301-12500
13.00	101	10	151	DH301-13000	DE301-13000
13.50	108	10	160	DH301-13500	DE301-13500
14.00	108	10	160	DH301-14000	DE301-14000
14.50	114	10	169	DH301-14500	DE301-14500
15.00	114	10	169	DH301-15000	DE301-15000
15.50	120	10	178	DH301-15500	DE301-15500
16.00	120	10	178	DH301-16000	DE301-16000
16.50	125	10	184	DH301-16500	DE301-16500
17.00	125	10	184	DH301-17000	DE301-17000
17.50	130	10	191	DH301-17500	DE301-17500
18.00	130	10	191	DH301-18000	DE301-18000
18.50	135	10	198	DH301-18500	DE301-18500
19.00	135	10	198	DH301-19000	DE301-19000
19.50	140	10	205	DH301-19500	DE301-19500
20.00	140	10	205	DH301-20000	DE301-20000
13.50	108	13	160	DH301-13500	DE301-13500
14.00	108	13	160	DH301-14000	DE301-14000
14.50	114	13	169	DH301-14500	DE301-14500
15.00	114	13	169	DH301-15000	DE301-15000

钻头系列
DRILL SERIES

尺寸公差				DH301	DE301
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.02)-mm	l _c -mm	d _s (H8)-mm	L-mm	DH301	DE301
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
15.50	120	13	178	DH301-15500	DE301-15500
16.00	120	13	178	DH301-16000	DE301-16000
16.50	125	13	184	DH301-16500	DE301-16500
17.00	125	13	184	DH301-17000	DE301-17000
17.50	130	13	191	DH301-17500	DE301-17500
18.00	130	13	191	DH301-18000	DE301-18000
18.50	135	13	198	DH301-18500	DE301-18500
19.00	135	13	198	DH301-19000	DE301-19000
19.50	140	13	205	DH301-19500	DE301-19500
20.00	140	13	205	DH301-20000	DE301-20000
21.00	145	13	205	DH301-21000	DE301-21000
22.00	150	13	210	DH301-22000	DE301-22000
23.00	155	13	215	DH301-23000	DE301-23000
24.00	160	13	220	DH301-24000	DE301-24000
25.00	160	13	220	DH301-25000	DE301-25000
26.00	165	13	235	DH301-26000	DE301-26000
27.00	170	13	235	DH301-27000	DE301-27000
28.00	170	13	235	DH301-28000	DE301-28000
29.00	175	13	240	DH301-29000	DE301-29000
30.00	175	13	240	DH301-30000	DE301-30000



高速钢直柄特长钻头 DIN1869-1 系列 High Speed Steel Straight Shank Drill DIN340 Standard Series

产品优点:
Product
Advantages:

1. 采用抛物线型排屑槽设计, 极大改善排屑问题
2. 适用于深孔加工, 高精度打孔
3. 含钴 5% 高速钢和涂层可选, 能够提高使用寿命 "

1. Parabolic flute design greatly improves chip evacuation.
2. Suitable for deep hole drilling and high-precision hole making.
3. Options of 5% cobalt high-speed steel and coating to increase service life.

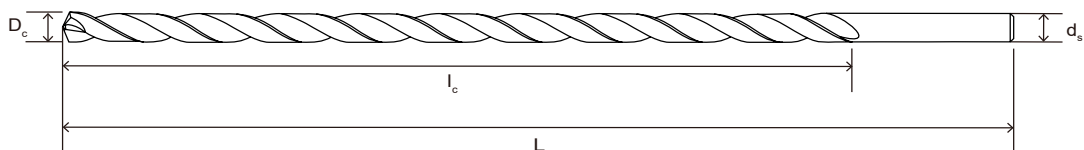
DH411
DE411

无涂层
Uncoated



DH414
DE414

镀钛涂层
TIN



尺寸公差				DH411	DH414	DE411	DE414
直径	刃长	柄径	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	L _c -mm	d _s (H8)-mm	L-mm	DH411	DH414	DE411	DE414
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
2.0	85	2.0	125	DH411-02000	DH414-02000	DE411-02000	DE414-02000
2.5	95	2.5	140	DH411-02500	DH414-02500	DE411-02500	DE414-02500
3.0	100	3.0	150	DH411-03000	DH414-03000	DE411-03000	DE414-03000
3.5	115	3.5	165	DH411-03500	DH414-03500	DE411-03500	DE414-03500
4.0	120	4.0	175	DH411-04000	DH414-04000	DE411-04000	DE414-04000
4.5	125	4.5	185	DH411-04500	DH414-04500	DE411-04500	DE414-04500
5.0	135	5.0	195	DH411-05000	DH414-05000	DE411-05000	DE414-05000
5.5	140	5.5	205	DH411-05500	DH414-05500	DE411-05500	DE414-05500
6.0	140	6.0	205	DH411-06000	DH414-06000	DE411-06000	DE414-06000
6.5	150	6.5	215	DH411-06500	DH414-06500	DE411-06500	DE414-06500
7.0	155	7.0	225	DH411-07000	DH414-07000	DE411-07000	DE414-07000
7.5	155	7.5	225	DH411-07500	DH414-07500	DE411-07500	DE414-07500
8.0	165	8.0	240	DH411-08000	DH414-08000	DE411-08000	DE414-08000
8.5	165	8.5	240	DH411-08500	DH414-08500	DE411-08500	DE414-08500
9.0	175	9.0	250	DH411-09000	DH414-09000	DE411-09000	DE414-09000
9.5	175	9.5	250	DH411-09500	DH414-09500	DE411-09500	DE414-09500
10.0	185	10.0	265	DH411-10000	DH414-10000	DE411-10000	DE414-10000
10.5	185	10.5	265	DH411-10500	DH414-10500	DE411-10500	DE414-10500
11.0	195	11.0	280	DH411-11000	DH414-11000	DE411-11000	DE414-11000
11.5	195	11.5	280	DH411-11500	DH414-11500	DE411-11500	DE414-11500
12.0	205	12.0	295	DH411-12000	DH414-12000	DE411-12000	DE414-12000
12.5	205	12.5	295	DH411-12500	DH414-12500	DE411-12500	DE414-12500
13.0	205	13.0	295	DH411-13000	DH414-13000	DE411-13000	DE414-13000

HSS
HSS-E

DIN
1869-2

0
-0.010

h8

Shank

Helix
25°

118°

Fully
ground

高速钢直柄特长钻头 DIN1869-2 系列
High Speed Steel Straight Shank Drill DIN340 Standard Series

产品优点:
Product
Advantages:

- 1. 采用抛物线型排屑槽设计, 极大改善排屑问题
- 2. 适用于深孔加工, 高精度打孔
- 3. 含钴 5% 高速钢和涂层可选, 能够提高使用寿命

- 1. Parabolic flute design greatly improves chip evacuation.
- 2. Suitable for deep hole drilling and high-precision hole making.
- 3. Options of 5% cobalt high-speed steel and coating to increase service life.

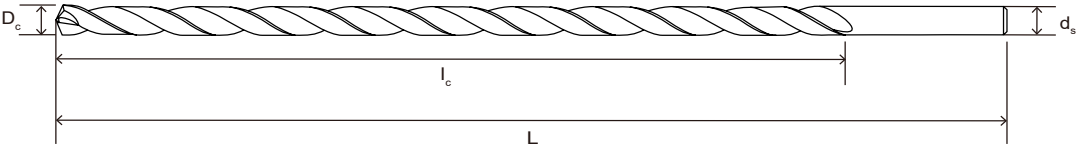
DH421
DE421

无涂层
Uncoated



DH424
DE424

镀钛涂层
TIN



尺寸公差				DH421	DH424	DE421	DE424
直径	刃长	柄径	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	L _c -mm	d _s (H8)-mm	L-mm	DH421	DH424	DE421	DE424
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
2.0	85	2.0	125	DH421-02000	DH424-02000	DE421-02000	DE424-02000
2.5	95	2.5	140	DH421-02500	DH424-02500	DE421-02500	DE424-02500
3.0	100	3.0	150	DH421-03000	DH424-03000	DE421-03000	DE424-03000
3.5	115	3.5	165	DH421-03500	DH424-03500	DE421-03500	DE424-03500
4.0	120	4.0	175	DH421-04000	DH424-04000	DE421-04000	DE424-04000
4.5	125	4.5	185	DH421-04500	DH424-04500	DE421-04500	DE424-04500
5.0	135	5.0	195	DH421-05000	DH424-05000	DE421-05000	DE424-05000
5.5	140	5.5	205	DH421-05500	DH424-05500	DE421-05500	DE424-05500
6.0	140	6.0	205	DH421-06000	DH424-06000	DE421-06000	DE424-06000
6.5	150	6.5	215	DH421-06500	DH424-06500	DE421-06500	DE424-06500
7.0	155	7.0	225	DH421-07000	DH424-07000	DE421-07000	DE424-07000
7.5	155	7.5	225	DH421-07500	DH424-07500	DE421-07500	DE424-07500
8.0	165	8.0	240	DH421-08000	DH424-08000	DE421-08000	DE424-08000
8.5	165	8.5	240	DH421-08500	DH424-08500	DE421-08500	DE424-08500
9.0	175	9.0	250	DH421-09000	DH424-09000	DE421-09000	DE424-09000
9.5	175	9.5	250	DH421-09500	DH424-09500	DE421-09500	DE424-09500
10.0	185	10.0	265	DH421-10000	DH424-10000	DE421-10000	DE424-10000
10.5	185	10.5	265	DH421-10500	DH424-10500	DE421-10500	DE424-10500
11.0	195	11.0	280	DH421-11000	DH424-11000	DE421-11000	DE424-11000
11.5	195	11.5	280	DH421-11500	DH424-11500	DE421-11500	DE424-11500
12.0	205	12.0	295	DH421-12000	DH424-12000	DE421-12000	DE424-12000
12.5	205	12.5	295	DH421-12500	DH424-12500	DE421-12500	DE424-12500
13.0	205	13.0	295	DH421-13000	DH424-13000	DE421-13000	DE424-13000



高速钢直柄特长钻头 DIN1869-3 系列 High Speed Steel Straight Shank Drill DIN340 Standard Series

产品优点:
Product
Advantages:

1. 采用抛物线型排屑槽设计, 极大改善排屑问题
2. 适用于深孔加工, 高精度打孔
3. 含钴 5% 高速钢和涂层可选, 能够提高使用寿命 "

1. Parabolic flute design greatly improves chip evacuation.
2. Suitable for deep hole drilling and high-precision hole making.
3. Options of 5% cobalt high-speed steel and coating to increase service life.

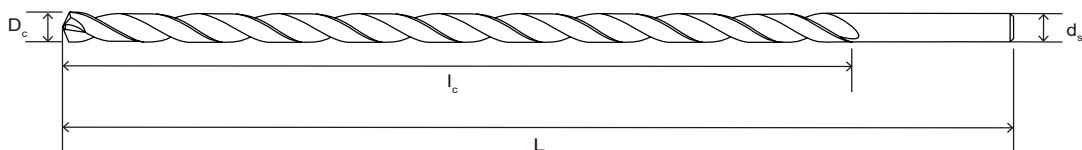
DH431
DE431

无涂层
Uncoated



DH434
DE434

镀钛涂层
TIN



尺寸公差				DH431	DH434	DE431	DE434
直径	刃长	柄径	全长	物料代码	物料代码	物料代码	物料代码
D_c (-0.01)-mm	L_c -mm	d_s (H8)-mm	L-mm	DH431	DH434	DE431	DE434
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
2.0	85	2.0	125	DH431-02000	DH434-02000	DE431-02000	DE434-02000
2.5	95	2.5	140	DH431-02500	DH434-02500	DE431-02500	DE434-02500
3.0	100	3.0	150	DH431-03000	DH434-03000	DE431-03000	DE434-03000
3.5	115	3.5	165	DH431-03500	DH434-03500	DE431-03500	DE434-03500
4.0	120	4.0	175	DH431-04000	DH434-04000	DE431-04000	DE434-04000
4.5	125	4.5	185	DH431-04500	DH434-04500	DE431-04500	DE434-04500
5.0	135	5.0	195	DH431-05000	DH434-05000	DE431-05000	DE434-05000
5.5	140	5.5	205	DH431-05500	DH434-05500	DE431-05500	DE434-05500
6.0	140	6.0	205	DH431-06000	DH434-06000	DE431-06000	DE434-06000
6.5	150	6.5	215	DH431-06500	DH434-06500	DE431-06500	DE434-06500
7.0	155	7.0	225	DH431-07000	DH434-07000	DE431-07000	DE434-07000
7.5	155	7.5	225	DH431-07500	DH434-07500	DE431-07500	DE434-07500
8.0	165	8.0	240	DH431-08000	DH434-08000	DE431-08000	DE434-08000
8.5	165	8.5	240	DH431-08500	DH434-08500	DE431-08500	DE434-08500
9.0	175	9.0	250	DH431-09000	DH434-09000	DE431-09000	DE434-09000
9.5	175	9.5	250	DH431-09500	DH434-09500	DE431-09500	DE434-09500
10.0	185	10.0	265	DH431-10000	DH434-10000	DE431-10000	DE434-10000
10.5	185	10.5	265	DH431-10500	DH434-10500	DE431-10500	DE434-10500
11.0	195	11.0	280	DH431-11000	DH434-11000	DE431-11000	DE434-11000
11.5	195	11.5	280	DH431-11500	DH434-11500	DE431-11500	DE434-11500
12.0	205	12.0	295	DH431-12000	DH434-12000	DE431-12000	DE434-12000
12.5	205	12.5	295	DH431-12500	DH434-12500	DE431-12500	DE434-12500
13.0	205	13.0	295	DH431-13000	DH434-13000	DE431-13000	DE434-13000

HSS-Co8
HSS-PM

Factory
Standard

0
-0.010

h8

Shank

Helix
30°

118°

高性能定柄航空快速钻（普通长度）
High Speed Steel Straight Shank Drill DIN340 Standard Series

- 产品优点:**
Product
Advantages:

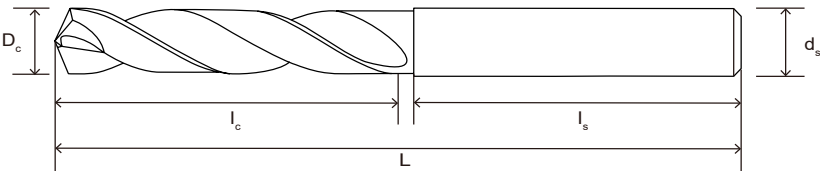
 - 1. 采用含钴 8% 高速钢和粉末高速钢，提高使用寿命
 - 2. 适用于高速钻孔，可以在 CNC 加工中心使用
 - 3. 独特的定柄设计
 - 4. 钻尖具有自定心功能，无需再冲中心样孔
 - 5. 涂层显著提高使用寿命 "
- 1. Made of 8% cobalt high-speed steel and powder metallurgy high-speed steel for increased service life.
 - 2. Suitable for high-speed drilling, can be used on CNC machining centers.
 - 3. Unique fixed shank design.
 - 4. Self-centering drill point eliminates the need for pre-drilling center holes.
 - 5. Coating significantly extends service life.

DF501
DP501

镀钛涂层
TIN

DF505
DP505

黑钛涂层
TICN



尺寸公差					DF501 HSS-Co8	DF505 HSS-Co8	DP501 HSS-PM	DP505 HSS-PM
直径	刃长	柄径	柄长	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	l _s -mm	L-mm	DF501	DF505	DP501	DP505
Cutting Diameter	Cutting Length	Shank Diameter	Shank Length	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
2.00	12.0	3	28	44	DF501-02000	DF505-02000	DP501-02000	DP505-02000
2.10	12.0	3	28	44	DF501-02100	DF505-02100	DP501-02100	DP505-02100
2.20	13.0	3	28	45	DF501-02200	DF505-02200	DP501-02200	DP505-02200
2.30	14.0	3	28	46	DF501-02300	DF505-02300	DP501-02300	DP505-02300
2.40	14.0	3	28	46	DF501-02400	DF505-02400	DP501-02400	DP505-02400
2.50	14.0	3	28	46	DF501-02500	DF505-02500	DP501-02500	DP505-02500
2.60	14.0	3	28	46	DF501-02600	DF505-02600	DP501-02600	DP505-02600
2.70	16.0	3	28	48	DF501-02700	DF505-02700	DP501-02700	DP505-02700
2.80	16.0	3	28	48	DF501-02800	DF505-02800	DP501-02800	DP505-02800
2.90	16.0	3	28	48	DF501-02900	DF505-02900	DP501-02900	DP505-02900
3.00	16.0	4	28	48	DF501-03000	DF505-03000	DP501-03000	DP505-03000
3.10	18.0	4	28	50	DF501-03100	DF505-03100	DP501-03100	DP505-03100
3.20	18.0	4	28	50	DF501-03200	DF505-03200	DP501-03200	DP505-03200
3.30	18.0	4	28	50	DF501-03300	DF505-03300	DP501-03300	DP505-03300
3.40	20.0	4	28	52	DF501-03400	DF505-03400	DP501-03400	DP505-03400
3.50	20.0	4	28	52	DF501-03500	DF505-03500	DP501-03500	DP505-03500
3.60	20.0	4	28	52	DF501-03600	DF505-03600	DP501-03600	DP505-03600
3.70	20.0	4	28	52	DF501-03700	DF505-03700	DP501-03700	DP505-03700
3.80	22.0	4	28	54	DF501-03800	DF505-03800	DP501-03800	DP505-03800
3.90	22.0	4	28	54	DF501-03900	DF505-03900	DP501-03900	DP505-03900
4.00	22.0	4	28	54	DF501-04000	DF505-04000	DP501-04000	DP505-04000
4.10	22.0	6	36	66	DF501-04100	DF505-04100	DP501-04100	DP505-04100
4.20	22.0	6	36	66	DF501-04200	DF505-04200	DP501-04200	DP505-04200
4.30	24.0	6	36	68	DF501-04300	DF505-04300	DP501-04300	DP505-04300
4.40	24.0	6	36	68	DF501-04400	DF505-04400	DP501-04400	DP505-04400
4.50	24.0	6	36	68	DF501-04500	DF505-04500	DP501-04500	DP505-04500
4.60	24.0	6	36	68	DF501-04600	DF505-04600	DP501-04600	DP505-04600
4.70	24.0	6	36	70	DF501-04700	DF505-04700	DP501-04700	DP505-04700
4.80	26.0	6	36	70	DF501-04800	DF505-04800	DP501-04800	DP505-04800
4.90	26.0	6	36	70	DF501-04900	DF505-04900	DP501-04900	DP505-04900
5.00	26.0	6	36	70	DF501-05000	DF505-05000	DP501-05000	DP505-05000
5.10	26.0	6	36	70	DF501-05100	DF505-05100	DP501-05100	DP505-05100
5.20	26.0	6	36	70	DF501-05200	DF505-05200	DP501-05200	DP505-05200

尺寸公差					DF501 HSS-Co8	DF505 HSS-Co8	DP501 HSS-PM	DP505 HSS-PM
直径	刃长	柄径	柄长	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	l _s -mm	L-mm	DF501	DF505	DP501	DP505
Cutting Diameter	Cutting Length	Shank Diameter	Shank Length	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
5.30	26.0	6	36	70	DF501-05300	DF505-05300	DP501-05300	DP505-05300
5.40	28.0	6	36	72	DF501-05400	DF505-05400	DP501-05400	DP505-05400
5.50	28.0	6	36	72	DF501-05500	DF505-05500	DP501-05500	DP505-05500
5.60	28.0	6	36	72	DF501-05600	DF505-05600	DP501-05600	DP505-05600
5.70	28.0	6	36	72	DF501-05700	DF505-05700	DP501-05700	DP505-05700
5.80	28.0	6	36	72	DF501-05800	DF505-05800	DP501-05800	DP505-05800
5.90	28.0	6	36	72	DF501-05900	DF505-05900	DP501-05900	DP505-05900
6.00	28.0	6	36	72	DF501-06000	DF505-06000	DP501-06000	DP505-06000
6.10	31.0	8	36	75	DF501-06100	DF505-06100	DP501-06100	DP505-06100
6.20	31.0	8	36	75	DF501-06200	DF505-06200	DP501-06200	DP505-06200
6.30	31.0	8	36	75	DF501-06300	DF505-06300	DP501-06300	DP505-06300
6.40	31.0	8	36	75	DF501-06400	DF505-06400	DP501-06400	DP505-06400
6.50	31.0	8	36	75	DF501-06500	DF505-06500	DP501-06500	DP505-06500
6.60	31.0	8	36	75	DF501-06600	DF505-06600	DP501-06600	DP505-06600
6.70	31.0	8	36	75	DF501-06700	DF505-06700	DP501-06700	DP505-06700
6.80	34.0	8	36	78	DF501-06800	DF505-06800	DP501-06800	DP505-06800
6.90	34.0	8	36	78	DF501-06900	DF505-06900	DP501-06900	DP505-06900
7.00	34.0	8	36	78	DF501-07000	DF505-07000	DP501-07000	DP505-07000
7.10	34.0	8	36	78	DF501-07100	DF505-07100	DP501-07100	DP505-07100
7.20	34.0	8	36	78	DF501-07200	DF505-07200	DP501-07200	DP505-07200
7.30	34.0	8	36	78	DF501-07300	DF505-07300	DP501-07300	DP505-07300
7.40	34.0	8	36	78	DF501-07400	DF505-07400	DP501-07400	DP505-07400
7.50	34.0	8	36	78	DF501-07500	DF505-07500	DP501-07500	DP505-07500
7.60	37.0	8	36	81	DF501-07600	DF505-07600	DP501-07600	DP505-07600
7.70	37.0	8	36	81	DF501-07700	DF505-07700	DP501-07700	DP505-07700
7.80	37.0	8	36	81	DF501-07800	DF505-07800	DP501-07800	DP505-07800
7.90	37.0	8	36	81	DF501-07900	DF505-07900	DP501-07900	DP505-07900
8.00	37.0	8	36	81	DF501-08000	DF505-08000	DP501-08000	DP505-08000
8.10	37.0	10	40	87	DF501-08100	DF505-08100	DP501-08100	DP505-08100
8.20	37.0	10	40	87	DF501-08200	DF505-08200	DP501-08200	DP505-08200
8.30	37.0	10	40	87	DF501-08300	DF505-08300	DP501-08300	DP505-08300
8.40	37.0	10	40	87	DF501-08400	DF505-08400	DP501-08400	DP505-08400
8.50	37.0	10	40	87	DF501-08500	DF505-08500	DP501-08500	DP505-08500
8.60	40.0	10	40	91	DF501-08600	DF505-08600	DP501-08600	DP505-08600
8.70	40.0	10	40	91	DF501-08700	DF505-08700	DP501-08700	DP505-08700
8.80	40.0	10	40	91	DF501-08800	DF505-08800	DP501-08800	DP505-08800
8.90	40.0	10	40	91	DF501-08900	DF505-08900	DP501-08900	DP505-08900
9.00	40.0	10	40	91	DF501-09000	DF505-09000	DP501-09000	DP505-09000
9.10	40.0	10	40	91	DF501-09100	DF505-09100	DP501-09100	DP505-09100
9.20	40.0	10	40	91	DF501-09200	DF505-09200	DP501-09200	DP505-09200
9.30	40.0	10	40	91	DF501-09300	DF505-09300	DP501-09300	DP505-09300
9.40	40.0	10	40	91	DF501-09400	DF505-09400	DP501-09400	DP505-09400
9.50	40.0	10	40	91	DF501-09500	DF505-09500	DP501-09500	DP505-09500
9.60	43.0	10	40	93	DF501-09600	DF505-09600	DP501-09600	DP505-09600
9.70	43.0	10	40	93	DF501-09700	DF505-09700	DP501-09700	DP505-09700
9.80	43.0	10	40	93	DF501-09800	DF505-09800	DP501-09800	DP505-09800
9.90	43.0	10	40	93	DF501-09900	DF505-09900	DP501-09900	DP505-09900
10.00	43.0	10	40	93	DF501-10000	DF505-10000	DP501-10000	DP505-10000
10.10	43.0	12	45	100	DF501-10100	DF505-10100	DP501-10100	DP505-10100
10.20	43.0	12	45	100	DF501-10200	DF505-10200	DP501-10200	DP505-10200
10.30	43.0	12	45	100	DF501-10300	DF505-10300	DP501-10300	DP505-10300
10.40	43.0	12	45	100	DF501-10400	DF505-10400	DP501-10400	DP505-10400
10.50	43.0	12	45	100	DF501-10500	DF505-10500	DP501-10500	DP505-10500
10.60	47.0	12	45	104	DF501-10600	DF505-10600	DP501-10600	DP505-10600
10.70	47.0	12	45	104	DF501-10700	DF505-10700	DP501-10700	DP505-10700
10.80	47.0	12	45	104	DF501-10800	DF505-10800	DP501-10800	DP505-10800
10.90	47.0	12	45	104	DF501-10900	DF505-10900	DP501-10900	DP505-10900
11.00	47.0	12	45	104	DF501-11000	DF505-11000	DP501-11000	DP505-11000
11.10	47.0	12	45	104	DF501-11100	DF505-11100	DP501-11100	DP505-11100
11.20	47.0	12	45	104	DF501-11200	DF505-11200	DP501-11200	DP505-11200
11.30	47.0	12	45	104	DF501-11300	DF505-11300	DP501-11300	DP505-11300
11.40	47.0	12	45	104	DF501-11400	DF505-11400	DP501-11400	DP505-11400
11.50	47.0	12	45	104	DF501-11500	DF505-11500	DP501-11500	DP505-11500
11.60	47.0	12	45	104	DF501-11600	DF505-11600	DP501-11600	DP505-11600
11.70	47.0	12	45	104	DF501-11700	DF505-11700	DP501-11700	DP505-11700
11.80	47.0	12	45	104	DF501-11800	DF505-11800	DP501-11800	DP505-11800
11.90	51.0	12	45	108	DF501-11900	DF505-11900	DP501-11900	DP505-11900
12.00	51.0	12	45	108	DF501-12000	DF505-12000	DP501-12000	DP505-12000
12.10	51.0	14	48	111	DF501-12100	DF505-12100	DP501-12100	DP505-12100
12.20	51.0	14	48	111	DF501-12200	DF505-12200	DP501-12200	DP505-12200
12.30	51.0	14	48	111	DF501-12300	DF505-12300	DP501-12300	DP505-12300

尺寸公差					DF501 HSS-Co8	DF505 HSS-Co8	DP501 HSS-PM	DP505 HSS-PM
直径	刃长	柄径	柄长	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	l _s -mm	L-mm	DF501	DF505	DP501	DP505
Cutting Diameter	Cutting Length	Shank Diameter	Shank Length	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
12.40	51.0	14	48	111	DF501-12400	DF505-12400	DP501-12400	DP505-12400
12.50	51.0	14	48	111	DF501-12500	DF505-12500	DP501-12500	DP505-12500
12.60	51.0	14	48	111	DF501-12600	DF505-12600	DP501-12600	DP505-12600
12.70	51.0	14	48	111	DF501-12700	DF505-12700	DP501-12700	DP505-12700
12.80	51.0	14	48	111	DF501-12800	DF505-12800	DP501-12800	DP505-12800
12.90	51.0	14	48	111	DF501-12900	DF505-12900	DP501-12900	DP505-12900
13.00	51.0	14	48	111	DF501-13000	DF505-13000	DP501-13000	DP505-13000
13.10	54.0	14	48	114	DF501-13100	DF505-13100	DP501-13100	DP505-13100
13.20	54.0	14	48	114	DF501-13200	DF505-13200	DP501-13200	DP505-13200
13.30	54.0	14	48	114	DF501-13300	DF505-13300	DP501-13300	DP505-13300
13.40	54.0	14	48	114	DF501-13400	DF505-13400	DP501-13400	DP505-13400
13.50	54.0	14	48	114	DF501-13500	DF505-13500	DP501-13500	DP505-13500
13.60	54.0	14	48	114	DF501-13600	DF505-13600	DP501-13600	DP505-13600
13.70	54.0	14	48	114	DF501-13700	DF505-13700	DP501-13700	DP505-13700
13.80	54.0	14	48	114	DF501-13800	DF505-13800	DP501-13800	DP505-13800
13.90	54.0	14	48	114	DF501-13900	DF505-13900	DP501-13900	DP505-13900
14.00	54.0	14	48	114	DF501-14000	DF505-14000	DP501-14000	DP505-14000

HSS-Co8
HSS-PMFactory
Standard0
-0.010

h8

Shank

Helix
30°

118°

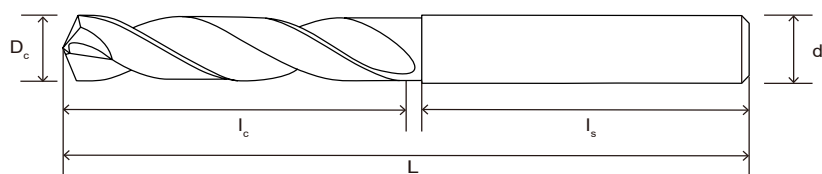
高性能定柄航空快速钻（加长长度）

High Speed Steel Straight Shank Drill DIN340 Standard Series

产品优点：
Product
Advantages:

1. 采用含钴 8% 高速钢和粉末高速钢，提高使用寿命
2. 适用于高速钻孔，可以在 CNC 加工中心使用
3. 独特的定柄设计
4. 钻尖具有自定心功能，无需再冲中心样孔
5. 涂层显著提高使用寿命

1. Made of 8% cobalt high-speed steel and powder metallurgy high-speed steel for increased service life.
2. Suitable for high-speed drilling, can be used on CNC machining centers.
3. Unique fixed shank design.
4. Self-centering drill point eliminates the need for pre-drilling center holes.
5. Coating significantly extends service life.

DF511
DP511镀钛涂层
TiNDF515
DP515黑钛涂层
TiCN

尺寸公差					DF511 HSS-Co8	DF515 HSS-Co8	DP511 HSS-PM	DP515 HSS-PM
直径	刃长	柄径	柄长	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	l _s -mm	L-mm	DF511	DF515	DP511	DP515
Cutting Diameter	Cutting Length	Shank Diameter	Shank Length	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
2.00	24	3	28	56	DF511-02000	DF515-02000	DP511-02000	DP515-02000
2.10	24	3	28	56	DF511-02100	DF515-02100	DP511-02100	DP515-02100
2.20	27	3	28	59	DF511-02200	DF515-02200	DP511-02200	DP515-02200
2.30	27	3	28	59	DF511-02300	DF515-02300	DP511-02300	DP515-02300
2.40	30	3	28	62	DF511-02400	DF515-02400	DP511-02400	DP515-02400
2.50	30	3	28	62	DF511-02500	DF515-02500	DP511-02500	DP515-02500
2.60	30	3	28	62	DF511-02600	DF515-02600	DP511-02600	DP515-02600
2.70	33	3	28	65	DF511-02700	DF515-02700	DP511-02700	DP515-02700
2.80	33	3	28	65	DF511-02800	DF515-02800	DP511-02800	DP515-02800
2.90	33	3	28	65	DF511-02900	DF515-02900	DP511-02900	DP515-02900
3.00	33	3	28	65	DF511-03000	DF515-03000	DP511-03000	DP515-03000
3.10	36	4	28	68	DF511-03100	DF515-03100	DP511-03100	DP515-03100
3.20	36	4	28	68	DF511-03200	DF515-03200	DP511-03200	DP515-03200
3.30	36	4	28	68	DF511-03300	DF515-03300	DP511-03300	DP515-03300
3.40	39	4	28	71	DF511-03400	DF515-03400	DP511-03400	DP515-03400
3.50	39	4	28	71	DF511-03500	DF515-03500	DP511-03500	DP515-03500
3.60	39	4	28	71	DF511-03600	DF515-03600	DP511-03600	DP515-03600
3.70	39	4	28	71	DF511-03700	DF515-03700	DP511-03700	DP515-03700
3.80	43	4	28	75	DF511-03800	DF515-03800	DP511-03800	DP515-03800
3.90	43	4	36	75	DF511-03900	DF515-03900	DP511-03900	DP515-03900
4.00	43	4	36	75	DF511-04000	DF515-04000	DP511-04000	DP515-04000
4.10	43	6	36	87	DF511-04100	DF515-04100	DP511-04100	DP515-04100
4.20	43	6	36	87	DF511-04200	DF515-04200	DP511-04200	DP515-04200
4.30	47	6	36	91	DF511-04300	DF515-04300	DP511-04300	DP515-04300
4.40	47	6	36	91	DF511-04400	DF515-04400	DP511-04400	DP515-04400
4.50	47	6	36	91	DF511-04500	DF515-04500	DP511-04500	DP515-04500
4.60	47	6	36	91	DF511-04600	DF515-04600	DP511-04600	DP515-04600
4.70	47	6	36	91	DF511-04700	DF515-04700	DP511-04700	DP515-04700
4.80	52	6	36	96	DF511-04800	DF515-04800	DP511-04800	DP515-04800
4.90	52	6	36	96	DF511-04900	DF515-04900	DP511-04900	DP515-04900
5.00	52	6	36	96	DF511-05000	DF515-05000	DP511-05000	DP515-05000
5.10	52	6	36	96	DF511-05100	DF515-05100	DP511-05100	DP515-05100
5.20	52	6	36	96	DF511-05200	DF515-05200	DP511-05200	DP515-05200

钻头系列
DRILL SERIES

尺寸公差					DF511 HSS-Co8	DF515 HSS-Co8	DP511 HSS-PM	DP515 HSS-PM
直径	刃长	柄径	柄长	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	l _s -mm	L-mm	DF511	DF515	DP511	DP515
Cutting Diameter	Cutting Length	Shank Diameter	Shank Length	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
5.30	52	6	36	96	DF511-05300	DF515-05300	DP511-05300	DP515-05300
5.40	57	6	36	101	DF511-05400	DF515-05400	DP511-05400	DP515-05400
5.50	57	6	36	101	DF511-05500	DF515-05500	DP511-05500	DP515-05500
5.60	57	6	36	101	DF511-05600	DF515-05600	DP511-05600	DP515-05600
5.70	57	6	36	101	DF511-05700	DF515-05700	DP511-05700	DP515-05700
5.80	57	6	36	101	DF511-05800	DF515-05800	DP511-05800	DP515-05800
5.90	57	6	36	101	DF511-05900	DF515-05900	DP511-05900	DP515-05900
6.00	57	6	36	101	DF511-06000	DF515-06000	DP511-06000	DP515-06000
6.10	63	6	36	107	DF511-06100	DF515-06100	DP511-06100	DP515-06100
6.20	63	8	36	107	DF511-06200	DF515-06200	DP511-06200	DP515-06200
6.30	63	8	36	107	DF511-06300	DF515-06300	DP511-06300	DP515-06300
6.40	63	8	36	107	DF511-06400	DF515-06400	DP511-06400	DP515-06400
6.50	63	8	36	107	DF511-06500	DF515-06500	DP511-06500	DP515-06500
6.60	63	8	36	107	DF511-06600	DF515-06600	DP511-06600	DP515-06600
6.70	63	8	36	107	DF511-06700	DF515-06700	DP511-06700	DP515-06700
6.80	69	8	36	113	DF511-06800	DF515-06800	DP511-06800	DP515-06800
6.90	69	8	36	113	DF511-06900	DF515-06900	DP511-06900	DP515-06900
7.00	69	8	36	113	DF511-07000	DF515-07000	DP511-07000	DP515-07000
7.10	69	8	36	113	DF511-07100	DF515-07100	DP511-07100	DP515-07100
7.20	69	8	36	113	DF511-07200	DF515-07200	DP511-07200	DP515-07200
7.30	69	8	36	113	DF511-07300	DF515-07300	DP511-07300	DP515-07300
7.40	69	8	36	113	DF511-07400	DF515-07400	DP511-07400	DP515-07400
7.50	69	8	36	113	DF511-07500	DF515-07500	DP511-07500	DP515-07500
7.60	75	8	36	119	DF511-07600	DF515-07600	DP511-07600	DP515-07600
7.70	75	8	36	119	DF511-07700	DF515-07700	DP511-07700	DP515-07700
7.80	75	8	36	119	DF511-07800	DF515-07800	DP511-07800	DP515-07800
7.90	75	8	36	119	DF511-07900	DF515-07900	DP511-07900	DP515-07900
8.00	75	8	36	119	DF511-08000	DF515-08000	DP511-08000	DP515-08000
8.10	75	10	40	125	DF511-08100	DF515-08100	DP511-08100	DP515-08100
8.20	75	10	40	125	DF511-08200	DF515-08200	DP511-08200	DP515-08200
8.30	75	10	40	125	DF511-08300	DF515-08300	DP511-08300	DP515-08300
8.40	75	10	40	125	DF511-08400	DF515-08400	DP511-08400	DP515-08400
8.50	75	10	40	125	DF511-08500	DF515-08500	DP511-08500	DP515-08500
8.60	81	10	40	131	DF511-08600	DF515-08600	DP511-08600	DP515-08600
8.70	81	10	40	131	DF511-08700	DF515-08700	DP511-08700	DP515-08700
8.80	81	10	40	131	DF511-08800	DF515-08800	DP511-08800	DP515-08800
8.90	81	10	40	131	DF511-08900	DF515-08900	DP511-08900	DP515-08900
9.00	81	10	40	131	DF511-09000	DF515-09000	DP511-09000	DP515-09000
9.10	81	10	40	131	DF511-09100	DF515-09100	DP511-09100	DP515-09100
9.20	81	10	40	131	DF511-09200	DF515-09200	DP511-09200	DP515-09200
9.30	81	10	40	131	DF511-09300	DF515-09300	DP511-09300	DP515-09300
9.40	81	10	40	131	DF511-09400	DF515-09400	DP511-09400	DP515-09400
9.50	81	10	40	131	DF511-09500	DF515-09500	DP511-09500	DP515-09500
9.60	87	10	40	137	DF511-09600	DF515-09600	DP511-09600	DP515-09600
9.70	87	10	40	137	DF511-09700	DF515-09700	DP511-09700	DP515-09700
9.80	87	10	40	137	DF511-09800	DF515-09800	DP511-09800	DP515-09800
9.90	87	10	40	137	DF511-09900	DF515-09900	DP511-09900	DP515-09900
10.00	87	10	40	137	DF511-10000	DF515-10000	DP511-10000	DP515-10000
10.10	87	12	45	144	DF511-10100	DF515-10100	DP511-10100	DP515-10100
10.20	87	12	45	144	DF511-10200	DF515-10200	DP511-10200	DP515-10200
10.30	87	12	45	144	DF511-10300	DF515-10300	DP511-10300	DP515-10300
10.40	87	12	45	144	DF511-10400	DF515-10400	DP511-10400	DP515-10400
10.50	87	12	45	144	DF511-10500	DF515-10500	DP511-10500	DP515-10500
10.60	94	12	45	144	DF511-10600	DF515-10600	DP511-10600	DP515-10600
10.70	94	12	45	151	DF511-10700	DF515-10700	DP511-10700	DP515-10700
10.80	94	12	45	151	DF511-10800	DF515-10800	DP511-10800	DP515-10800
10.90	94	12	45	151	DF511-10900	DF515-10900	DP511-10900	DP515-10900
11.00	94	12	45	151	DF511-11000	DF515-11000	DP511-11000	DP515-11000
11.10	94	12	45	151	DF511-11100	DF515-11100	DP511-11100	DP515-11100
11.20	94	12	45	151	DF511-11200	DF515-11200	DP511-11200	DP515-11200
11.30	94	12	45	151	DF511-11300	DF515-11300	DP511-11300	DP515-11300
11.40	94	12	45	151	DF511-11400	DF515-11400	DP511-11400	DP515-11400
11.50	94	12	45	151	DF511-11500	DF515-11500	DP511-11500	DP515-11500
11.60	94	12	45	151	DF511-11600	DF515-11600	DP511-11600	DP515-11600
11.70	94	12	45	151	DF511-11700	DF515-11700	DP511-11700	DP515-11700
11.80	94	12	45	151	DF511-11800	DF515-11800	DP511-11800	DP515-11800
11.90	101	12	45	158	DF511-11900	DF515-11900	DP511-11900	DP515-11900
12.00	101	12	45	158	DF511-12000	DF515-12000	DP511-12000	DP515-12000
12.10	98	14	48	158	DF511-12100	DF515-12100	DP511-12100	DP515-12100
12.20	98	14	48	158	DF511-12200	DF515-12200	DP511-12200	DP515-12200
12.30	98	14	48	158	DF511-12300	DF515-12300	DP511-12300	DP515-12300

尺寸公差					DF511 HSS-Co8	DF515 HSS-Co8	DP511 HSS-PM	DP515 HSS-PM
直径	刃长	柄径	柄长	全长	物料代码	物料代码	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	l _s -mm	L-mm	DF511	DF515	DP511	DP515
Cutting Diameter	Cutting Length	Shank Diameter	Shank Length	Total Length	Art. Number	Art. Number	Art. Number	Art. Number
12.40	98	14	48	158	DF511-12400	DF515-12400	DP511-12400	DP515-12400
12.50	98	14	48	158	DF511-12500	DF515-12500	DP511-12500	DP515-12500
12.60	98	14	48	158	DF511-12600	DF515-12600	DP511-12600	DP515-12600
12.70	98	14	48	158	DF511-12700	DF515-12700	DP511-12700	DP515-12700
12.80	98	14	48	158	DF511-12800	DF515-12800	DP511-12800	DP515-12800
12.90	98	14	48	158	DF511-12900	DF515-12900	DP511-12900	DP515-12900
13.00	98	14	48	158	DF511-13000	DF515-13000	DP511-13000	DP515-13000
13.10	98	14	48	158	DF511-13100	DF515-13100	DP511-13100	DP515-13100
13.20	98	14	48	158	DF511-13200	DF515-13200	DP511-13200	DP515-13200
13.30	98	14	48	158	DF511-13300	DF515-13300	DP511-13300	DP515-13300
13.40	98	14	48	158	DF511-13400	DF515-13400	DP511-13400	DP515-13400
13.50	98	14	48	158	DF511-13500	DF515-13500	DP511-13500	DP515-13500
13.60	98	14	48	158	DF511-13600	DF515-13600	DP511-13600	DP515-13600
13.70	98	14	48	158	DF511-13700	DF515-13700	DP511-13700	DP515-13700
13.80	98	14	48	158	DF511-13800	DF515-13800	DP511-13800	DP515-13800
13.90	98	14	48	158	DF511-13900	DF515-13900	DP511-13900	DP515-13900
14.00	98	14	48	158	DF511-14000	DF515-14000	DP511-14000	DP515-14000



Carbide

DIN 6537

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m7

Shank

Helix
30°

118°

3D

硬质合金标准钻头（3D） Solid Carbide Drills DIN6537 3D Standard Series

- 产品优点：**
Product Advantages:

 1. 采用高品质硬质合金，具有极强的通用性和耐磨性，可普遍替换欧美品牌
 2. 刃带缩窄，有效减小切削阻力
 3. 排屑槽抛光，提升排屑
 4. 高品质涂层，提升耐磨性
1. Made of high-quality carbide, offering strong versatility and wear resistance; can generally replace European and American brands.
 2. Narrowed margin effectively reduces cutting resistance.
 3. Polished flutes improve chip evacuation.
 4. High-quality coating enhances wear resistance.

DC131

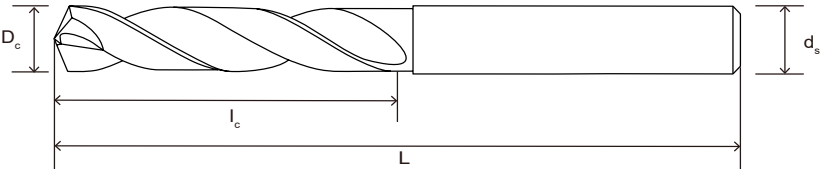
古铜涂层
TISIN



DC132

铝钛涂层
ALTN





推荐加工参数

刃径	切削条件	钢件			耐热合金		不锈钢		耐热钢	铸铁	铝合金
D	Vc - f	~200HB	200~300HB	250~300HB	~45 HRC	H	~200HB	M	~170HB	~300HB	N
~D5.0	Vc	40-60-100	40-60-100	30-50-70	20-30-40		10-20-30		10-15-20	40-60-70	
	f	0.15-0.20-0.25	0.15-0.20-0.25	0.10-0.15-0.20	0.06-0.08-0.10		0.05-0.07-0.10		0.05-0.08-0.07	0.15-0.20-0.30	
~D10.0	Vc	50-70-100	50-70-100	40-60-80	20-30-40		15-20-30		10-15-20	50-60-80	
	f	0.20-0.25-0.30	0.20-0.25-0.30	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.20-0.28-0.35	
~D16.0	Vc	60-80-100	60-80-100	40-60-80	20-30-40		20-25-30		10-15-20	60-70-90	
	f	0.20-0.25-0.35	0.20-0.25-0.35	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.25-0.30-0.35	

尺寸公差				DC131	DC132
直径	刃长	柄径	全长	物料代码	物料代码
Dc (-0.01)-mm	Lc -mm	ds (H8)-mm	L-mm	DC131	DC132
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	19.0	6	62	DC131-03000	DC132-03000
3.10	19.0	6	62	DC131-03100	DC132-03100
3.20	19.0	6	62	DC131-03200	DC132-03200
3.30	19.0	6	62	DC131-03300	DC132-03300
3.40	19.0	6	62	DC131-03400	DC132-03400
3.50	19.0	6	62	DC131-03500	DC132-03500
3.60	19.0	6	62	DC131-03600	DC132-03600
3.70	19.0	6	62	DC131-03700	DC132-03700
3.80	23.0	6	66	DC131-03800	DC132-03800
3.90	23.0	6	66	DC131-03900	DC132-03900
4.00	23.0	6	66	DC131-04000	DC132-04000
4.10	23.0	6	66	DC131-04100	DC132-04100
4.20	23.0	6	66	DC131-04200	DC132-04200
4.30	23.0	6	66	DC131-04300	DC132-04300
4.40	23.0	6	66	DC131-04400	DC132-04400
4.50	23.0	6	66	DC131-04500	DC132-04500
4.60	23.0	6	66	DC131-04600	DC132-04600
4.70	23.0	6	66	DC131-04700	DC132-04700
4.80	27.0	6	66	DC131-04800	DC132-04800
4.90	27.0	6	66	DC131-04900	DC132-04900
5.00	27.0	6	66	DC131-05000	DC132-05000
5.10	27.0	6	66	DC131-05100	DC132-05100
5.20	27.0	6	66	DC131-05200	DC132-05200
5.30	27.0	6	66	DC131-05300	DC132-05300
5.40	27.0	6	66	DC131-05400	DC132-05400
5.50	27.0	6	66	DC131-05500	DC132-05500

尺寸公差				DC131	DC132
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC131	DC132
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
5.60	27.0	6	66	DC131-05600	DC132-05600
5.70	27.0	6	66	DC131-05700	DC132-05700
5.80	27.0	6	66	DC131-05800	DC132-05800
5.90	27.0	6	66	DC131-05900	DC132-05900
6.00	27.0	6	66	DC131-06000	DC132-06000
6.10	33.0	8	79	DC131-06100	DC132-06100
6.20	33.0	8	79	DC131-06200	DC132-06200
6.30	33.0	8	79	DC131-06300	DC132-06300
6.40	33.0	8	79	DC131-06400	DC132-06400
6.50	33.0	8	79	DC131-06500	DC132-06500
6.60	33.0	8	79	DC131-06600	DC132-06600
6.70	33.0	8	79	DC131-06700	DC132-06700
6.80	33.0	8	79	DC131-06800	DC132-06800
6.90	33.0	8	79	DC131-06900	DC132-06900
7.00	33.0	8	79	DC131-07000	DC132-07000
7.10	39.0	8	79	DC131-07100	DC132-07100
7.20	39.0	8	79	DC131-07200	DC132-07200
7.30	39.0	8	79	DC131-07300	DC132-07300
7.40	39.0	8	79	DC131-07400	DC132-07400
7.50	39.0	8	79	DC131-07500	DC132-07500
7.60	39.0	8	79	DC131-07600	DC132-07600
7.70	39.0	8	79	DC131-07700	DC132-07700
7.80	39.0	8	79	DC131-07800	DC132-07800
7.90	39.0	8	79	DC131-07900	DC132-07900
8.00	39.0	8	79	DC131-08000	DC132-08000
8.10	45.0	10	89	DC131-08100	DC132-08100
8.20	45.0	10	89	DC131-08200	DC132-08200
8.30	45.0	10	89	DC131-08300	DC132-08300
8.40	45.0	10	89	DC131-08400	DC132-08400
8.50	45.0	10	89	DC131-08500	DC132-08500
8.60	45.0	10	89	DC131-08600	DC132-08600
8.70	45.0	10	89	DC131-08700	DC132-08700
8.80	45.0	10	89	DC131-08800	DC132-08800
8.90	45.0	10	89	DC131-08900	DC132-08900
9.00	45.0	10	89	DC131-09000	DC132-09000
9.10	45.0	10	89	DC131-09100	DC132-09100
9.20	45.0	10	89	DC131-09200	DC132-09200
9.30	45.0	10	89	DC131-09300	DC132-09300
9.40	45.0	10	89	DC131-09400	DC132-09400
9.50	45.0	10	89	DC131-09500	DC132-09500
9.60	45.0	10	89	DC131-09600	DC132-09600
9.70	45.0	10	89	DC131-09700	DC132-09700
9.80	45.0	10	89	DC131-09800	DC132-09800
9.90	45.0	10	89	DC131-09900	DC132-09900
10.00	45.0	10	89	DC131-10000	DC132-10000
10.10	53.0	12	102	DC131-10100	DC132-10100
10.20	53.0	12	102	DC131-10200	DC132-10200
10.30	53.0	12	102	DC131-10300	DC132-10300
10.40	53.0	12	102	DC131-10400	DC132-10400
10.50	53.0	12	102	DC131-10500	DC132-10500
10.60	53.0	12	102	DC131-10600	DC132-10600
10.70	53.0	12	102	DC131-10700	DC132-10700
10.80	53.0	12	102	DC131-10800	DC132-10800
10.90	53.0	12	102	DC131-10900	DC132-10900
11.00	53.0	12	102	DC131-11000	DC132-11000
11.10	53.0	12	102	DC131-11100	DC132-11100
11.20	53.0	12	102	DC131-11200	DC132-11200
11.30	53.0	12	102	DC131-11300	DC132-11300
11.40	53.0	12	102	DC131-11400	DC132-11400
11.50	53.0	12	102	DC131-11500	DC132-11500
11.60	53.0	12	102	DC131-11600	DC132-11600
11.70	53.0	12	102	DC131-11700	DC132-11700
11.80	53.0	12	102	DC131-11800	DC132-11800
11.90	53.0	12	102	DC131-11900	DC132-11900
12.00	53.0	12	102	DC131-12000	DC132-12000
12.10	58.0	14	107	DC131-12100	DC132-12100
12.20	58.0	14	107	DC131-12200	DC132-12200
12.30	58.0	14	107	DC131-12300	DC132-12300
12.40	58.0	14	107	DC131-12400	DC132-12400
12.50	58.0	14	107	DC131-12500	DC132-12500
12.60	58.0	14	107	DC131-12600	DC132-12600

尺寸公差				DC131	DC132
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC131	DC132
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
12.70	58.0	14	107	DC131-12700	DC132-12700
12.80	58.0	14	107	DC131-12800	DC132-12800
12.90	58.0	14	107	DC131-12900	DC132-12900
13.00	58.0	14	107	DC131-13000	DC132-13000
13.10	58.0	14	107	DC131-13100	DC132-13100
13.20	58.0	14	107	DC131-13200	DC132-13200
13.30	58.0	14	107	DC131-13300	DC132-13300
13.40	58.0	14	107	DC131-13400	DC132-13400
13.50	58.0	14	107	DC131-13500	DC132-13500
13.60	58.0	14	107	DC131-13600	DC132-13600
13.70	58.0	14	107	DC131-13700	DC132-13700
13.80	58.0	14	107	DC131-13800	DC132-13800
13.90	58.0	14	107	DC131-13900	DC132-13900
14.00	58.0	14	107	DC131-14000	DC132-14000
14.10	62.0	16	115	DC131-14100	DC132-14100
14.20	62.0	16	115	DC131-14200	DC132-14200
14.30	62.0	16	115	DC131-14300	DC132-14300
14.40	62.0	16	115	DC131-14400	DC132-14400
14.50	62.0	16	115	DC131-14500	DC132-14500
14.60	62.0	16	115	DC131-14600	DC132-14600
14.70	62.0	16	115	DC131-14700	DC132-14700
14.80	62.0	16	115	DC131-14800	DC132-14800
14.90	62.0	16	115	DC131-14900	DC132-14900
15.00	62.0	16	115	DC131-15000	DC132-15000
15.10	62.0	16	115	DC131-15100	DC132-15100
15.20	62.0	16	115	DC131-15200	DC132-15200
15.30	62.0	16	115	DC131-15300	DC132-15300
15.40	62.0	16	115	DC131-15400	DC132-15400
15.50	62.0	16	115	DC131-15500	DC132-15500
15.60	62.0	16	115	DC131-15600	DC132-15600
15.70	62.0	16	115	DC131-15700	DC132-15700
15.80	62.0	16	115	DC131-15800	DC132-15800
15.90	62.0	16	115	DC131-15900	DC132-15900
16.00	62.0	16	115	DC131-16000	DC132-16000

Carbide

DIN
6537

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Shank

Helix
30°

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5D

百特 logo

硬质合金标准钻头 (5D)
High Speed Steel Straight Shank Drill DIN340 Standard Series

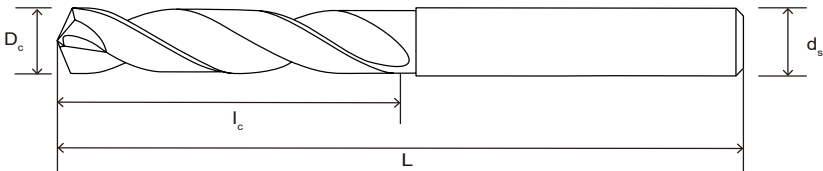
钻头系列
DRILL SERIES

产品优点:
Product
Advantages:

1. 采用高品质硬质合金, 具有极强的通用性和耐磨性, 可普遍替换欧美品牌
2. 刃带缩窄, 有效减小切削阻力
3. 排屑槽抛光, 提升排屑
4. 高品质涂层, 提升耐磨性 "
1. Made of high-quality carbide, offering strong versatility and wear resistance; can generally replace European and American brands.
2. Narrowed margin effectively reduces cutting resistance.
3. Polished flutes improve chip evacuation.
4. High-quality coating enhances wear resistance.

DC151 古铜涂层
TISIN

DC152 铝钛涂层
ALTIN



推荐加工参数

		钢件			耐热合金		不锈钢		耐热钢	铸铁	铝合金
		~200HB	200~300HB	250~300HB	~45 HRC	H	~200HB	M	~170HB	~300HB	N
~D5.0	Vc	40-60-100	40-60-100	30-50-70	20-30-40		10-20-30		10-15-20	40-60-70	
	f	0.15-0.20-0.25	0.15-0.20-0.25	0.10-0.15-0.20	0.06-0.08-0.10		0.05-0.07-0.10		0.05-0.08-0.07	0.15-0.20-0.30	
~D10.0	Vc	50-70-100	50-70-100	40-60-80	20-30-40		15-20-30		10-15-20	50-60-80	
	f	0.20-0.25-0.30	0.20-0.25-0.30	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.20-0.28-0.35	
~D16.0	Vc	60-80-100	60-80-100	40-60-80	20-30-40		20-25-30		10-15-20	60-70-90	
	f	0.20-0.25-0.35	0.20-0.25-0.35	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.25-0.30-0.35	

尺寸公差				DC151	DE152
直径	刃长	柄径	全长	物料代码	物料代码
Dc (-0.01)-mm	Lc -mm	ds (H8)-mm	L-mm	DC151	DC152
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	26.0	6	66	DC151-03000	DC152-03000
3.10	26.0	6	66	DC151-03100	DC152-03100
3.20	26.0	6	66	DC151-03200	DC152-03200
3.30	26.0	6	66	DC151-03300	DC152-03300
3.40	26.0	6	66	DC151-03400	DC152-03400
3.50	26.0	6	66	DC151-03500	DC152-03500
3.60	26.0	6	66	DC151-03600	DC152-03600
3.70	26.0	6	66	DC151-03700	DC152-03700
3.80	35.0	6	74	DC151-03800	DC152-03800
3.90	35.0	6	74	DC151-03900	DC152-03900
4.00	35.0	6	74	DC151-04000	DC152-04000
4.10	35.0	6	74	DC151-04100	DC152-04100
4.20	35.0	6	74	DC151-04200	DC152-04200
4.30	35.0	6	74	DC151-04300	DC152-04300
4.40	35.0	6	74	DC151-04400	DC152-04400
4.50	35.0	6	74	DC151-04500	DC152-04500
4.60	35.0	6	74	DC151-04600	DC152-04600
4.70	35.0	6	74	DC151-04700	DC152-04700
4.80	43.0	6	82	DC151-04800	DC152-04800
4.90	43.0	6	82	DC151-04900	DC152-04900
5.00	43.0	6	82	DC151-05000	DC152-05000
5.10	43.0	6	82	DC151-05100	DC152-05100
5.20	43.0	6	82	DC151-05200	DC152-05200
5.30	43.0	6	82	DC151-05300	DC152-05300
5.40	43.0	6	82	DC151-05400	DC152-05400
5.50	43.0	6	82	DC151-05500	DC152-05500

尺寸公差				DC151	DE152
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC151	DC152
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
5.60	43.0	6	82	DC151-05600	DC152-05600
5.70	43.0	6	82	DC151-05700	DC152-05700
5.80	43.0	6	82	DC151-05800	DC152-05800
5.90	43.0	6	82	DC151-05900	DC152-05900
6.00	43.0	6	82	DC151-06000	DC152-06000
6.10	52.0	8	91	DC151-06100	DC152-06100
6.20	52.0	8	91	DC151-06200	DC152-06200
6.30	52.0	8	91	DC151-06300	DC152-06300
6.40	52.0	8	91	DC151-06400	DC152-06400
6.50	52.0	8	91	DC151-06500	DC152-06500
6.60	52.0	8	91	DC151-06600	DC152-06600
6.70	52.0	8	91	DC151-06700	DC152-06700
6.80	52.0	8	91	DC151-06800	DC152-06800
6.90	52.0	8	91	DC151-06900	DC152-06900
7.00	52.0	8	91	DC151-07000	DC152-07000
7.10	52.0	8	91	DC151-07100	DC152-07100
7.20	52.0	8	91	DC151-07200	DC152-07200
7.30	52.0	8	91	DC151-07300	DC152-07300
7.40	52.0	8	91	DC151-07400	DC152-07400
7.50	52.0	8	91	DC151-07500	DC152-07500
7.60	52.0	8	91	DC151-07600	DC152-07600
7.70	52.0	8	91	DC151-07700	DC152-07700
7.80	52.0	8	91	DC151-07800	DC152-07800
7.90	52.0	8	91	DC151-07900	DC152-07900
8.00	52.0	8	91	DC151-08000	DC152-08000
8.10	59.0	10	103	DC151-08100	DC152-08100
8.20	59.0	10	103	DC151-08200	DC152-08200
8.30	59.0	10	103	DC151-08300	DC152-08300
8.40	59.0	10	103	DC151-08400	DC152-08400
8.50	59.0	10	103	DC151-08500	DC152-08500
8.60	59.0	10	103	DC151-08600	DC152-08600
8.70	59.0	10	103	DC151-08700	DC152-08700
8.80	59.0	10	103	DC151-08800	DC152-08800
8.90	59.0	10	103	DC151-08900	DC152-08900
9.00	59.0	10	103	DC151-09000	DC152-09000
9.10	59.0	10	103	DC151-09100	DC152-09100
9.20	59.0	10	103	DC151-09200	DC152-09200
9.30	59.0	10	103	DC151-09300	DC152-09300
9.40	59.0	10	103	DC151-09400	DC152-09400
9.50	59.0	10	103	DC151-09500	DC152-09500
9.60	59.0	10	103	DC151-09600	DC152-09600
9.70	59.0	10	103	DC151-09700	DC152-09700
9.80	59.0	10	103	DC151-09800	DC152-09800
9.90	59.0	10	103	DC151-09900	DC152-09900
10.00	59.0	10	103	DC151-10000	DC152-10000
10.10	69.0	12	118	DC151-10100	DC152-10100
10.20	69.0	12	118	DC151-10200	DC152-10200
10.30	69.0	12	118	DC151-10300	DC152-10300
10.40	69.0	12	118	DC151-10400	DC152-10400
10.50	69.0	12	118	DC151-10500	DC152-10500
10.60	69.0	12	118	DC151-10600	DC152-10600
10.70	69.0	12	118	DC151-10700	DC152-10700
10.80	69.0	12	118	DC151-10800	DC152-10800
10.90	69.0	12	118	DC151-10900	DC152-10900
11.00	69.0	12	118	DC151-11000	DC152-11000
11.10	69.0	12	118	DC151-11100	DC152-11100
11.20	69.0	12	118	DC151-11200	DC152-11200
11.30	69.0	12	118	DC151-11300	DC152-11300
11.40	69.0	12	118	DC151-11400	DC152-11400
11.50	69.0	12	118	DC151-11500	DC152-11500
11.60	69.0	12	118	DC151-11600	DC152-11600
11.70	69.0	12	118	DC151-11700	DC152-11700
11.80	69.0	12	118	DC151-11800	DC152-11800
11.90	69.0	12	118	DC151-11900	DC152-11900
12.00	69.0	12	118	DC151-12000	DC152-12000
12.10	75.0	14	124	DC151-12100	DC152-12100
12.20	75.0	14	124	DC151-12200	DC152-12200
12.30	75.0	14	124	DC151-12300	DC152-12300
12.40	75.0	14	124	DC151-12400	DC152-12400
12.50	75.0	14	124	DC151-12500	DC152-12500
12.60	75.0	14	124	DC151-12600	DC152-12600

尺寸公差				DC151	DE152
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC151	DC152
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
12.70	75.0	14	124	DC151-12700	DC152-12700
12.80	75.0	14	124	DC151-12800	DC152-12800
12.90	75.0	14	124	DC151-12900	DC152-12900
13.00	75.0	14	124	DC151-13000	DC152-13000
13.10	75.0	14	124	DC151-13100	DC152-13100
13.20	75.0	14	124	DC151-13200	DC152-13200
13.30	75.0	14	124	DC151-13300	DC152-13300
13.40	75.0	14	124	DC151-13400	DC152-13400
13.50	75.0	14	124	DC151-13500	DC152-13500
13.60	75.0	14	124	DC151-13600	DC152-13600
13.70	75.0	14	124	DC151-13700	DC152-13700
13.80	75.0	14	124	DC151-13800	DC152-13800
13.90	75.0	14	124	DC151-13900	DC152-13900
14.00	75.0	14	124	DC151-14000	DC152-14000
14.10	80.0	16	133	DC151-14100	DC152-14100
14.20	80.0	16	133	DC151-14200	DC152-14200
14.30	80.0	16	133	DC151-14300	DC152-14300
14.40	80.0	16	133	DC151-14400	DC152-14400
14.50	80.0	16	133	DC151-14500	DC152-14500
14.60	80.0	16	133	DC151-14600	DC152-14600
14.70	80.0	16	133	DC151-14700	DC152-14700
14.80	80.0	16	133	DC151-14800	DC152-14800
14.90	80.0	16	133	DC151-14900	DC152-14900
15.00	80.0	16	133	DC151-15000	DC152-15000
15.10	80.0	16	133	DC151-15100	DC152-15100
15.20	80.0	16	133	DC151-15200	DC152-15200
15.30	80.0	16	133	DC151-15300	DC152-15300
15.40	80.0	16	133	DC151-15400	DC152-15400
15.50	80.0	16	133	DC151-15500	DC152-15500
15.60	80.0	16	133	DC151-15600	DC152-15600
15.70	80.0	16	133	DC151-15700	DC152-15700
15.80	80.0	16	133	DC151-15800	DC152-15800
15.90	80.0	16	133	DC151-15900	DC152-15900
16.00	80.0	16	133	DC151-16000	DC152-16000

Carbide

DIN
6537

0
-0.010

m7

Shank

Helix
30°

118°

3D

硬质合金标准内冷钻头（3D） Solid Carbide Drills DIN6537 3D Standard Series

- 产品优点：**
Product Advantages:

 1. 采用高品质硬质合金，具有极强的通用性和耐磨性，可普遍替换欧美品牌
 2. 刃带缩窄，有效减小切削阻力
 3. 排屑槽抛光，提升排屑
 4. 高品质涂层，提升耐磨性 "
1. Made of high-quality carbide, offering strong versatility and wear resistance; can generally replace European and American brands.
 2. Narrowed margin effectively reduces cutting resistance.
 3. Polished flutes improve chip evacuation.
 4. High-quality coating enhances wear resistance.

DC231

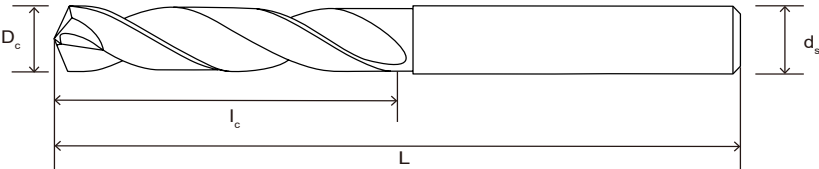
古铜涂层
TISIN



DC232

铝钛涂层
ALTN





推荐加工参数

		钢件			耐热合金		不锈钢		耐热钢	铸铁	铝合金
											
		~200HB	200~300HB	250~300HB	~45 HRC	H	~200HB	M	~170HB	~300HB	N
		P	P	P	H	H	M	M	S	K	N
~D5.0	Vc	40-60-100	40-60-100	30-50-70	20-30-40		10-20-30		10-15-20	40-60-70	
	f	0.15-0.20-0.25	0.15-0.20-0.25	0.10-0.15-0.20	0.06-0.08-0.10		0.05-0.07-0.10		0.05-0.08-0.07	0.15-0.20-0.30	
~D10.0	Vc	50-70-100	50-70-100	40-60-80	20-30-40		15-20-30		10-15-20	50-60-80	
	f	0.20-0.25-0.30	0.20-0.25-0.30	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.20-0.28-0.35	
~D16.0	Vc	60-80-100	60-80-100	40-60-80	20-30-40		20-25-30		10-15-20	60-70-90	
	f	0.20-0.25-0.35	0.20-0.25-0.35	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.25-0.30-0.35	

尺寸公差				DC231	DC232
直径	刃长	柄径	全长	物料代码	物料代码
Dc (-0.01)-mm	lc -mm	ds (H8)-mm	L-mm	DC231	DC232
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	19.0	6	62	DC231-03000	DC232-03000
3.10	19.0	6	62	DC231-03100	DC232-03100
3.20	19.0	6	62	DC231-03200	DC232-03200
3.30	19.0	6	62	DC231-03300	DC232-03300
3.40	19.0	6	62	DC231-03400	DC232-03400
3.50	19.0	6	62	DC231-03500	DC232-03500
3.60	19.0	6	62	DC231-03600	DC232-03600
3.70	19.0	6	62	DC231-03700	DC232-03700
3.80	23.0	6	66	DC231-03800	DC232-03800
3.90	23.0	6	66	DC231-03900	DC232-03900
4.00	23.0	6	66	DC231-04000	DC232-04000
4.10	23.0	6	66	DC231-04100	DC232-04100
4.20	23.0	6	66	DC231-04200	DC232-04200
4.30	23.0	6	66	DC231-04300	DC232-04300
4.40	23.0	6	66	DC231-04400	DC232-04400
4.50	23.0	6	66	DC231-04500	DC232-04500
4.60	23.0	6	66	DC231-04600	DC232-04600
4.70	23.0	6	66	DC231-04700	DC232-04700
4.80	27.0	6	66	DC231-04800	DC232-04800
4.90	27.0	6	66	DC231-04900	DC232-04900
5.00	27.0	6	66	DC231-05000	DC232-05000
5.10	27.0	6	66	DC231-05100	DC232-05100
5.20	27.0	6	66	DC231-05200	DC232-05200
5.30	27.0	6	66	DC231-05300	DC232-05300
5.40	27.0	6	66	DC231-05400	DC232-05400
5.50	27.0	6	66	DC231-05500	DC232-05500

尺寸公差				DC231	DC232
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC231	DC232
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
5.60	27.0	6	66	DC231-05600	DC232-05600
5.70	27.0	6	66	DC231-05700	DC232-05700
5.80	27.0	6	66	DC231-05800	DC232-05800
5.90	27.0	6	66	DC231-05900	DC232-05900
6.00	27.0	6	66	DC231-06000	DC232-06000
6.10	33.0	8	79	DC231-06100	DC232-06100
6.20	33.0	8	79	DC231-06200	DC232-06200
6.30	33.0	8	79	DC231-06300	DC232-06300
6.40	33.0	8	79	DC231-06400	DC232-06400
6.50	33.0	8	79	DC231-06500	DC232-06500
6.60	33.0	8	79	DC231-06600	DC232-06600
6.70	33.0	8	79	DC231-06700	DC232-06700
6.80	33.0	8	79	DC231-06800	DC232-06800
6.90	33.0	8	79	DC231-06900	DC232-06900
7.00	33.0	8	79	DC231-07000	DC232-07000
7.10	39.0	8	79	DC231-07100	DC232-07100
7.20	39.0	8	79	DC231-07200	DC232-07200
7.30	39.0	8	79	DC231-07300	DC232-07300
7.40	39.0	8	79	DC231-07400	DC232-07400
7.50	39.0	8	79	DC231-07500	DC232-07500
7.60	39.0	8	79	DC231-07600	DC232-07600
7.70	39.0	8	79	DC231-07700	DC232-07700
7.80	39.0	8	79	DC231-07800	DC232-07800
7.90	39.0	8	79	DC231-07900	DC232-07900
8.00	39.0	8	79	DC231-08000	DC232-08000
8.10	45.0	10	89	DC231-08100	DC232-08100
8.20	45.0	10	89	DC231-08200	DC232-08200
8.30	45.0	10	89	DC231-08300	DC232-08300
8.40	45.0	10	89	DC231-08400	DC232-08400
8.50	45.0	10	89	DC231-08500	DC232-08500
8.60	45.0	10	89	DC231-08600	DC232-08600
8.70	45.0	10	89	DC231-08700	DC232-08700
8.80	45.0	10	89	DC231-08800	DC232-08800
8.90	45.0	10	89	DC231-08900	DC232-08900
9.00	45.0	10	89	DC231-09000	DC232-09000
9.10	45.0	10	89	DC231-09100	DC232-09100
9.20	45.0	10	89	DC231-09200	DC232-09200
9.30	45.0	10	89	DC231-09300	DC232-09300
9.40	45.0	10	89	DC231-09400	DC232-09400
9.50	45.0	10	89	DC231-09500	DC232-09500
9.60	45.0	10	89	DC231-09600	DC232-09600
9.70	45.0	10	89	DC231-09700	DC232-09700
9.80	45.0	10	89	DC231-09800	DC232-09800
9.90	45.0	10	89	DC231-09900	DC232-09900
10.00	45.0	10	89	DC231-10000	DC232-10000
10.10	53.0	12	102	DC231-10100	DC232-10100
10.20	53.0	12	102	DC231-10200	DC232-10200
10.30	53.0	12	102	DC231-10300	DC232-10300
10.40	53.0	12	102	DC231-10400	DC232-10400
10.50	53.0	12	102	DC231-10500	DC232-10500
10.60	53.0	12	102	DC231-10600	DC232-10600
10.70	53.0	12	102	DC231-10700	DC232-10700
10.80	53.0	12	102	DC231-10800	DC232-10800
10.90	53.0	12	102	DC231-10900	DC232-10900
11.00	53.0	12	102	DC231-11000	DC232-11000
11.10	53.0	12	102	DC231-11100	DC232-11100
11.20	53.0	12	102	DC231-11200	DC232-11200
11.30	53.0	12	102	DC231-11300	DC232-11300
11.40	53.0	12	102	DC231-11400	DC232-11400
11.50	53.0	12	102	DC231-11500	DC232-11500
11.60	53.0	12	102	DC231-11600	DC232-11600
11.70	53.0	12	102	DC231-11700	DC232-11700
11.80	53.0	12	102	DC231-11800	DC232-11800
11.90	53.0	12	102	DC231-11900	DC232-11900
12.00	53.0	12	102	DC231-12000	DC232-12000
12.10	58.0	14	107	DC231-12100	DC232-12100
12.20	58.0	14	107	DC231-12200	DC232-12200
12.30	58.0	14	107	DC231-12300	DC232-12300
12.40	58.0	14	107	DC231-12400	DC232-12400
12.50	58.0	14	107	DC231-12500	DC232-12500
12.60	58.0	14	107	DC231-12600	DC232-12600

尺寸公差				DC231	DC232
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC231	DC232
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
12.70	58.0	14	107	DC231-12700	DC232-12700
12.80	58.0	14	107	DC231-12800	DC232-12800
12.90	58.0	14	107	DC231-12900	DC232-12900
13.00	58.0	14	107	DC231-13000	DC232-13000
13.10	58.0	14	107	DC231-13100	DC232-13100
13.20	58.0	14	107	DC231-13200	DC232-13200
13.30	58.0	14	107	DC231-13300	DC232-13300
13.40	58.0	14	107	DC231-13400	DC232-13400
13.50	58.0	14	107	DC231-13500	DC232-13500
13.60	58.0	14	107	DC231-13600	DC232-13600
13.70	58.0	14	107	DC231-13700	DC232-13700
13.80	58.0	14	107	DC231-13800	DC232-13800
13.90	58.0	14	107	DC231-13900	DC232-13900
14.00	58.0	14	107	DC231-14000	DC232-14000
14.10	62.0	16	115	DC231-14100	DC232-14100
14.20	62.0	16	115	DC231-14200	DC232-14200
14.30	62.0	16	115	DC231-14300	DC232-14300
14.40	62.0	16	115	DC231-14400	DC232-14400
14.50	62.0	16	115	DC231-14500	DC232-14500
14.60	62.0	16	115	DC231-14600	DC232-14600
14.70	62.0	16	115	DC231-14700	DC232-14700
14.80	62.0	16	115	DC231-14800	DC232-14800
14.90	62.0	16	115	DC231-14900	DC232-14900
15.00	62.0	16	115	DC231-15000	DC232-15000
15.10	62.0	16	115	DC231-15100	DC232-15100
15.20	62.0	16	115	DC231-15200	DC232-15200
15.30	62.0	16	115	DC231-15300	DC232-15300
15.40	62.0	16	115	DC231-15400	DC232-15400
15.50	62.0	16	115	DC231-15500	DC232-15500
15.60	62.0	16	115	DC231-15600	DC232-15600
15.70	62.0	16	115	DC231-15700	DC232-15700
15.80	62.0	16	115	DC231-15800	DC232-15800
15.90	62.0	16	115	DC231-15900	DC232-15900
16.00	62.0	16	115	DC231-16000	DC232-16000



硬质合金标准内冷钻头 (5D) High Speed Steel Straight Shank Drill DIN340 Standard Series

产品优点:
Product
Advantages:

1. 采用高品质硬质合金, 具有极强的通用性和耐磨性, 可普遍替换欧美品牌
2. 刃带缩窄, 有效减小切削阻力
3. 排屑槽抛光, 提升排屑
4. 高品质涂层, 提升耐磨性

1. Made of high-quality carbide, offering strong versatility and wear resistance; can generally replace European and American brands.
2. Narrowed margin effectively reduces cutting resistance.
3. Polished flutes improve chip evacuation.
4. High-quality coating enhances wear resistance.

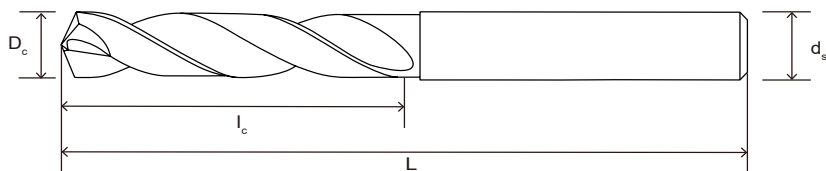
DC251

古铜涂层
TISIN



DC252

铝钛涂层
ALTN



推荐加工参数

		钢件			耐热合金		不锈钢		耐热钢	铸铁	铝合金
		~200HB	200~300HB	250~300HB	~45 HRC	H	~200HB	M	~170HB	~300HB	N
~D5.0	Vc	40-60-100	40-60-100	30-50-70	20-30-40		10-20-30		10-15-20	40-60-70	
	f	0.15-0.20-0.25	0.15-0.20-0.25	0.10-0.15-0.20	0.06-0.08-0.10		0.05-0.07-0.10		0.05-0.08-0.07	0.15-0.20-0.30	
~D10.0	Vc	50-70-100	50-70-100	40-60-80	20-30-40		15-20-30		10-15-20	50-60-80	
	f	0.20-0.25-0.30	0.20-0.25-0.30	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.20-0.28-0.35	
~D16.0	Vc	60-80-100	60-80-100	40-60-80	20-30-40		20-25-30		10-15-20	60-70-90	
	f	0.20-0.25-0.35	0.20-0.25-0.35	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.25-0.30-0.35	

尺寸公差				DC251	DC252
直径	刃长	柄径	全长	物料代码	物料代码
Dc (-0.01)-mm	Lc -mm	ds (H8)-mm	L-mm	DC251	DC252
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	26.0	6	66	DC251-03000	DC252-03000
3.10	26.0	6	66	DC251-03100	DC252-03100
3.20	26.0	6	66	DC251-03200	DC252-03200
3.30	26.0	6	66	DC251-03300	DC252-03300
3.40	26.0	6	66	DC251-03400	DC252-03400
3.50	26.0	6	66	DC251-03500	DC252-03500
3.60	26.0	6	66	DC251-03600	DC252-03600
3.70	26.0	6	66	DC251-03700	DC252-03700
3.80	35.0	6	74	DC251-03800	DC252-03800
3.90	35.0	6	74	DC251-03900	DC252-03900
4.00	35.0	6	74	DC251-04000	DC252-04000
4.10	35.0	6	74	DC251-04100	DC252-04100
4.20	35.0	6	74	DC251-04200	DC252-04200
4.30	35.0	6	74	DC251-04300	DC252-04300
4.40	35.0	6	74	DC251-04400	DC252-04400
4.50	35.0	6	74	DC251-04500	DC252-04500
4.60	35.0	6	74	DC251-04600	DC252-04600
4.70	35.0	6	74	DC251-04700	DC252-04700
4.80	43.0	6	82	DC251-04800	DC252-04800
4.90	43.0	6	82	DC251-04900	DC252-04900
5.00	43.0	6	82	DC251-05000	DC252-05000
5.10	43.0	6	82	DC251-05100	DC252-05100
5.20	43.0	6	82	DC251-05200	DC252-05200
5.30	43.0	6	82	DC251-05300	DC252-05300
5.40	43.0	6	82	DC251-05400	DC252-05400
5.50	43.0	6	82	DC251-05500	DC252-05500

钻头系列
DRILL SERIES

尺寸公差				DC251	DC252
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC251	DC252
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
5.60	43.0	6	82	DC251-05600	DC252-05600
5.70	43.0	6	82	DC251-05700	DC252-05700
5.80	43.0	6	82	DC251-05800	DC252-05800
5.90	43.0	6	82	DC251-05900	DC252-05900
6.00	43.0	6	82	DC251-06000	DC252-06000
6.10	52.0	8	91	DC251-06100	DC252-06100
6.20	52.0	8	91	DC251-06200	DC252-06200
6.30	52.0	8	91	DC251-06300	DC252-06300
6.40	52.0	8	91	DC251-06400	DC252-06400
6.50	52.0	8	91	DC251-06500	DC252-06500
6.60	52.0	8	91	DC251-06600	DC252-06600
6.70	52.0	8	91	DC251-06700	DC252-06700
6.80	52.0	8	91	DC251-06800	DC252-06800
6.90	52.0	8	91	DC251-06900	DC252-06900
7.00	52.0	8	91	DC251-07000	DC252-07000
7.10	52.0	8	91	DC251-07100	DC252-07100
7.20	52.0	8	91	DC251-07200	DC252-07200
7.30	52.0	8	91	DC251-07300	DC252-07300
7.40	52.0	8	91	DC251-07400	DC252-07400
7.50	52.0	8	91	DC251-07500	DC252-07500
7.60	52.0	8	91	DC251-07600	DC252-07600
7.70	52.0	8	91	DC251-07700	DC252-07700
7.80	52.0	8	91	DC251-07800	DC252-07800
7.90	52.0	8	91	DC251-07900	DC252-07900
8.00	52.0	8	91	DC251-08000	DC252-08000
8.10	59.0	10	103	DC251-08100	DC252-08100
8.20	59.0	10	103	DC251-08200	DC252-08200
8.30	59.0	10	103	DC251-08300	DC252-08300
8.40	59.0	10	103	DC251-08400	DC252-08400
8.50	59.0	10	103	DC251-08500	DC252-08500
8.60	59.0	10	103	DC251-08600	DC252-08600
8.70	59.0	10	103	DC251-08700	DC252-08700
8.80	59.0	10	103	DC251-08800	DC252-08800
8.90	59.0	10	103	DC251-08900	DC252-08900
9.00	59.0	10	103	DC251-09000	DC252-09000
9.10	59.0	10	103	DC251-09100	DC252-09100
9.20	59.0	10	103	DC251-09200	DC252-09200
9.30	59.0	10	103	DC251-09300	DC252-09300
9.40	59.0	10	103	DC251-09400	DC252-09400
9.50	59.0	10	103	DC251-09500	DC252-09500
9.60	59.0	10	103	DC251-09600	DC252-09600
9.70	59.0	10	103	DC251-09700	DC252-09700
9.80	59.0	10	103	DC251-09800	DC252-09800
9.90	59.0	10	103	DC251-09900	DC252-09900
10.00	59.0	10	103	DC251-10000	DC252-10000
10.10	69.0	12	118	DC251-10100	DC252-10100
10.20	69.0	12	118	DC251-10200	DC252-10200
10.30	69.0	12	118	DC251-10300	DC252-10300
10.40	69.0	12	118	DC251-10400	DC252-10400
10.50	69.0	12	118	DC251-10500	DC252-10500
10.60	69.0	12	118	DC251-10600	DC252-10600
10.70	69.0	12	118	DC251-10700	DC252-10700
10.80	69.0	12	118	DC251-10800	DC252-10800
10.90	69.0	12	118	DC251-10900	DC252-10900
11.00	69.0	12	118	DC251-11000	DC252-11000
11.10	69.0	12	118	DC251-11100	DC252-11100
11.20	69.0	12	118	DC251-11200	DC252-11200
11.30	69.0	12	118	DC251-11300	DC252-11300
11.40	69.0	12	118	DC251-11400	DC252-11400
11.50	69.0	12	118	DC251-11500	DC252-11500
11.60	69.0	12	118	DC251-11600	DC252-11600
11.70	69.0	12	118	DC251-11700	DC252-11700
11.80	69.0	12	118	DC251-11800	DC252-11800
11.90	69.0	12	118	DC251-11900	DC252-11900
12.00	69.0	12	118	DC251-12000	DC252-12000
12.10	75.0	14	124	DC251-12100	DC252-12100
12.20	75.0	14	124	DC251-12200	DC252-12200
12.30	75.0	14	124	DC251-12300	DC252-12300
12.40	75.0	14	124	DC251-12400	DC252-12400
12.50	75.0	14	124	DC251-12500	DC252-12500
12.60	75.0	14	124	DC251-12600	DC252-12600

尺寸公差				DC251	DC252
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC251	DC252
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
12.70	75.0	14	124	DC251-12700	DC252-12700
12.80	75.0	14	124	DC251-12800	DC252-12800
12.90	75.0	14	124	DC251-12900	DC252-12900
13.00	75.0	14	124	DC251-13000	DC252-13000
13.10	75.0	14	124	DC251-13100	DC252-13100
13.20	75.0	14	124	DC251-13200	DC252-13200
13.30	75.0	14	124	DC251-13300	DC252-13300
13.40	75.0	14	124	DC251-13400	DC252-13400
13.50	75.0	14	124	DC251-13500	DC252-13500
13.60	75.0	14	124	DC251-13600	DC252-13600
13.70	75.0	14	124	DC251-13700	DC252-13700
13.80	75.0	14	124	DC251-13800	DC252-13800
13.90	75.0	14	124	DC251-13900	DC252-13900
14.00	75.0	14	124	DC251-14000	DC252-14000
14.10	80.0	16	133	DC251-14100	DC252-14100
14.20	80.0	16	133	DC251-14200	DC252-14200
14.30	80.0	16	133	DC251-14300	DC252-14300
14.40	80.0	16	133	DC251-14400	DC252-14400
14.50	80.0	16	133	DC251-14500	DC252-14500
14.60	80.0	16	133	DC251-14600	DC252-14600
14.70	80.0	16	133	DC251-14700	DC252-14700
14.80	80.0	16	133	DC251-14800	DC252-14800
14.90	80.0	16	133	DC251-14900	DC252-14900
15.00	80.0	16	133	DC251-15000	DC252-15000
15.10	80.0	16	133	DC251-15100	DC252-15100
15.20	80.0	16	133	DC251-15200	DC252-15200
15.30	80.0	16	133	DC251-15300	DC252-15300
15.40	80.0	16	133	DC251-15400	DC252-15400
15.50	80.0	16	133	DC251-15500	DC252-15500
15.60	80.0	16	133	DC251-15600	DC252-15600
15.70	80.0	16	133	DC251-15700	DC252-15700
15.80	80.0	16	133	DC251-15800	DC252-15800
15.90	80.0	16	133	DC251-15900	DC252-15900
16.00	80.0	16	133	DC251-16000	DC252-16000

Carbide

DIN 6537

0
-0.010

m7

Shank

Helix
30°

118°

7D

硬质合金标准内冷钻头（7D） High Speed Steel Straight Shank Drill DIN340 Standard Series

- 产品优点:**
Product Advantages:

 1. 采用高品质硬质合金，具有极强的通用性和耐磨性，可普遍替换欧美品牌
 2. 刃带缩窄，有效减小切削阻力
 3. 排屑槽抛光，提升排屑
 4. 高品质涂层，提升耐磨性
1. Made of high-quality carbide, offering strong versatility and wear resistance; can generally replace European and American brands.
 2. Narrowed margin effectively reduces cutting resistance.
 3. Polished flutes improve chip evacuation.
 4. High-quality coating enhances wear resistance.

DC271

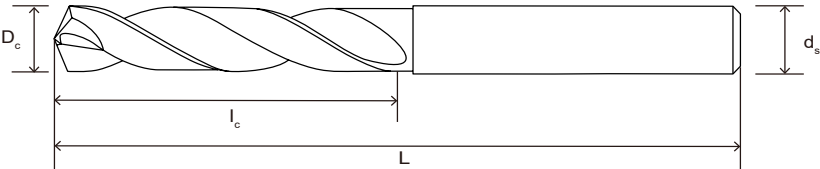
古铜涂层
TISIN



DC272

铝钛涂层
ALTN





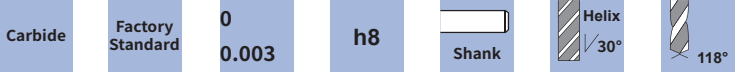
推荐加工参数

		钢件			耐热合金		不锈钢		耐热钢	铸铁	铝合金
											
		~200HB	200~300HB	250~300HB	~45 HRC	H	~200HB	M	~170HB	~300HB	N
		P	P	P	H		M		S	K	N
~D5.0	Vc	40-60-100	40-60-100	30-50-70	20-30-40		10-20-30		10-15-20	40-60-70	
	f	0.15-0.20-0.25	0.15-0.20-0.25	0.10-0.15-0.20	0.06-0.08-0.10		0.05-0.07-0.10		0.05-0.08-0.07	0.15-0.20-0.30	
~D10.0	Vc	50-70-100	50-70-100	40-60-80	20-30-40		15-20-30		10-15-20	50-60-80	
	f	0.20-0.25-0.30	0.20-0.25-0.30	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.20-0.28-0.35	
~D16.0	Vc	60-80-100	60-80-100	40-60-80	20-30-40		20-25-30		10-15-20	60-70-90	
	f	0.20-0.25-0.35	0.20-0.25-0.35	0.20-0.25-0.30	0.10-0.12-0.15		0.08-0.12-0.15		0.08-0.09-0.10	0.25-0.30-0.35	

尺寸公差				DC271	DC272
直径	刃长	柄径	全长	物料代码	物料代码
Dc (±0.01)-mm	lc -mm	ds (H8)-mm	L-mm	DC271	DC272
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
3.00	30.0	6	70	DC271-03000	DC272-03000
3.10	30.0	6	70	DC271-03100	DC272-03100
3.20	30.0	6	70	DC271-03200	DC272-03200
3.30	30.0	6	70	DC271-03300	DC272-03300
3.40	35.5	6	75	DC271-03400	DC272-03400
3.50	35.5	6	75	DC271-03500	DC272-03500
3.60	35.5	6	75	DC271-03600	DC272-03600
3.70	35.5	6	75	DC271-03700	DC272-03700
3.80	37.5	6	75	DC271-03800	DC272-03800
3.90	37.5	6	75	DC271-03900	DC272-03900
4.00	37.5	6	75	DC271-04000	DC272-04000
4.10	37.5	6	75	DC271-04100	DC272-04100
4.20	37.5	6	75	DC271-04200	DC272-04200
4.30	46.0	6	85	DC271-04300	DC272-04300
4.40	46.0	6	85	DC271-04400	DC272-04400
4.50	46.0	6	85	DC271-04500	DC272-04500
4.60	46.0	6	85	DC271-04600	DC272-04600
4.70	46.0	6	85	DC271-04700	DC272-04700
4.80	51.0	6	90	DC271-04800	DC272-04800
4.90	51.0	6	90	DC271-04900	DC272-04900
5.00	51.0	6	90	DC271-05000	DC272-05000
5.10	51.0	6	90	DC271-05100	DC272-05100
5.20	51.0	6	90	DC271-05200	DC272-05200
5.30	51.0	6	90	DC271-05300	DC272-05300
5.40	58.0	6	97	DC271-05400	DC272-05400
5.50	58.0	6	97	DC271-05500	DC272-05500

尺寸公差				DC271	DC272
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC271	DC272
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
5.60	58.0	6	97	DC271-05600	DC272-05600
5.70	58.0	6	97	DC271-05700	DC272-05700
5.80	58.0	6	97	DC271-05800	DC272-05800
5.90	58.0	6	97	DC271-05900	DC272-05900
6.00	58.0	6	97	DC271-06000	DC272-06000
6.10	67.0	8	106	DC271-06100	DC272-06100
6.20	67.0	8	106	DC271-06200	DC272-06200
6.30	67.0	8	106	DC271-06300	DC272-06300
6.40	67.0	8	106	DC271-06400	DC272-06400
6.50	67.0	8	106	DC271-06500	DC272-06500
6.60	67.0	8	106	DC271-06600	DC272-06600
6.70	67.0	8	106	DC271-06700	DC272-06700
6.80	67.0	8	106	DC271-06800	DC272-06800
6.90	77.0	8	116	DC271-06900	DC272-06900
7.00	77.0	8	116	DC271-07000	DC272-07000
7.10	77.0	8	116	DC271-07100	DC272-07100
7.20	77.0	8	116	DC271-07200	DC272-07200
7.30	77.0	8	116	DC271-07300	DC272-07300
7.40	77.0	8	116	DC271-07400	DC272-07400
7.50	77.0	8	116	DC271-07500	DC272-07500
7.60	77.0	8	116	DC271-07600	DC272-07600
7.70	77.0	8	116	DC271-07700	DC272-07700
7.80	77.0	8	116	DC271-07800	DC272-07800
7.90	77.0	8	116	DC271-07900	DC272-07900
8.00	77.0	8	116	DC271-08000	DC272-08000
8.10	87.0	10	131	DC271-08100	DC272-08100
8.20	87.0	10	131	DC271-08200	DC272-08200
8.30	87.0	10	131	DC271-08300	DC272-08300
8.40	87.0	10	131	DC271-08400	DC272-08400
8.50	87.0	10	131	DC271-08500	DC272-08500
8.60	87.0	10	131	DC271-08600	DC272-08600
8.70	87.0	10	131	DC271-08700	DC272-08700
8.80	87.0	10	131	DC271-08800	DC272-08800
8.90	87.0	10	131	DC271-08900	DC272-08900
9.00	87.0	10	131	DC271-09000	DC272-09000
9.10	95.0	10	139	DC271-09100	DC272-09100
9.20	95.0	10	139	DC271-09200	DC272-09200
9.30	95.0	10	139	DC271-09300	DC272-09300
9.40	95.0	10	139	DC271-09400	DC272-09400
9.50	95.0	10	139	DC271-09500	DC272-09500
9.60	95.0	10	139	DC271-09600	DC272-09600
9.70	95.0	10	139	DC271-09700	DC272-09700
9.80	95.0	10	139	DC271-09800	DC272-09800
9.90	95.0	10	139	DC271-09900	DC272-09900
10.00	95.0	10	139	DC271-10000	DC272-10000
10.10	106.0	12	155	DC271-10100	DC272-10100
10.20	106.0	12	155	DC271-10200	DC272-10200
10.30	106.0	12	155	DC271-10300	DC272-10300
10.40	106.0	12	155	DC271-10400	DC272-10400
10.50	106.0	12	155	DC271-10500	DC272-10500
10.60	106.0	12	155	DC271-10600	DC272-10600
10.70	106.0	12	155	DC271-10700	DC272-10700
10.80	106.0	12	155	DC271-10800	DC272-10800
10.90	106.0	12	155	DC271-10900	DC272-10900
11.00	106.0	12	155	DC271-11000	DC272-11000
11.10	114.0	12	163	DC271-11100	DC272-11100
11.20	114.0	12	163	DC271-11200	DC272-11200
11.30	114.0	12	163	DC271-11300	DC272-11300
11.40	114.0	12	163	DC271-11400	DC272-11400
11.50	114.0	12	163	DC271-11500	DC272-11500
11.60	114.0	12	163	DC271-11600	DC272-11600
11.70	114.0	12	163	DC271-11700	DC272-11700
11.80	114.0	12	163	DC271-11800	DC272-11800
11.90	114.0	12	163	DC271-11900	DC272-11900
12.00	114.0	12	163	DC271-12000	DC272-12000
12.10	133.0	14	182	DC271-12100	DC272-12100
12.20	133.0	14	182	DC271-12200	DC272-12200
12.30	133.0	14	182	DC271-12300	DC272-12300
12.40	133.0	14	182	DC271-12400	DC272-12400
12.50	133.0	14	182	DC271-12500	DC272-12500
12.60	133.0	14	182	DC271-12600	DC272-12600

尺寸公差				DC271	DC272
直径	刃长	柄径	全长	物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	DC271	DC272
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Art. Number	Art. Number
12.70	133.0	14	182	DC271-12700	DC272-12700
12.80	133.0	14	182	DC271-12800	DC272-12800
12.90	133.0	14	182	DC271-12900	DC272-12900
13.00	133.0	14	182	DC271-13000	DC272-13000
13.10	133.0	14	182	DC271-13100	DC272-13100
13.20	133.0	14	182	DC271-13200	DC272-13200
13.30	133.0	14	182	DC271-13300	DC272-13300
13.40	133.0	14	182	DC271-13400	DC272-13400
13.50	133.0	14	182	DC271-13500	DC272-13500
13.60	133.0	14	182	DC271-13600	DC272-13600
13.70	133.0	14	182	DC271-13700	DC272-13700
13.80	133.0	14	182	DC271-13800	DC272-13800
13.90	133.0	14	182	DC271-13900	DC272-13900
14.00	133.0	14	182	DC271-14000	DC272-14000
14.10	151.0	16	204	DC271-14100	DC272-14100
14.20	151.0	16	204	DC271-14200	DC272-14200
14.30	151.0	16	204	DC271-14300	DC272-14300
14.40	151.0	16	204	DC271-14400	DC272-14400
14.50	151.0	16	204	DC271-14500	DC272-14500
14.60	151.0	16	204	DC271-14600	DC272-14600
14.70	151.0	16	204	DC271-14700	DC272-14700
14.80	151.0	16	204	DC271-14800	DC272-14800
14.90	151.0	16	204	DC271-14900	DC272-14900
15.00	151.0	16	204	DC271-15000	DC272-15000
15.10	151.0	16	204	DC271-15100	DC272-15100
15.20	151.0	16	204	DC271-15200	DC272-15200
15.30	151.0	16	204	DC271-15300	DC272-15300
15.40	151.0	16	204	DC271-15400	DC272-15400
15.50	151.0	16	204	DC271-15500	DC272-15500
15.60	151.0	16	204	DC271-15600	DC272-15600
15.70	151.0	16	204	DC271-15700	DC272-15700
15.80	151.0	16	204	DC271-15800	DC272-15800
15.90	151.0	16	204	DC271-15900	DC272-15900
16.00	151.0	16	204	DC271-16000	DC272-16000



硬质合金标准微小钻头
Carbide standard micro drill

产品优点:
Product
Advantages:

1. 刃口精细加工，抛光处理更能保证刀具钻孔效率
2. 大切削时断屑简单、排屑顺畅，大幅提高加工效率和质量
3. 高精度研磨，打孔精度高
4. 高品质涂层，提升耐磨性

1. Fine edge finishing and polishing ensure drilling efficiency.
2. Simple chip breaking and smooth chip evacuation during heavy cutting, greatly improving machining efficiency and quality.
3. High-precision grinding ensures high hole-making accuracy.
4. High-quality coating enhances wear resistance.

DC311

古铜涂层
TISIN



DC312

铝钛涂层
ALTIN



钻头系列
DRILL SERIES

线谱图

尺寸公差					DC311	DC312
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC311	DC311
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
0.10	1.5	3.175	38	Φ0.10*1.5*3.175*38	DC311-0100	DC312-0100
0.11	1.5	3.175	38	Φ0.11*1.5*3.175*38	DC311-0110	DC312-0110
0.12	1.5	3.175	38	Φ0.12*1.5*3.175*38	DC311-0120	DC312-0120
0.13	1.5	3.175	38	Φ0.13*1.5*3.175*38	DC311-0130	DC312-0130
0.14	1.5	3.175	38	Φ0.14*1.5*3.175*38	DC311-0140	DC312-0140
0.15	2.5	3.175	38	Φ0.15*2.5*3.175*38	DC311-0150	DC312-0150
0.16	2.5	3.175	38	Φ0.16*2.5*3.175*38	DC311-0160	DC312-0160
0.17	2.5	3.175	38	Φ0.17*2.5*3.175*38	DC311-0170	DC312-0170
0.18	2.5	3.175	38	Φ0.18*2.5*3.175*38	DC311-0180	DC312-0180
0.19	2.5	3.175	38	Φ0.19*2.5*3.175*38	DC311-0190	DC312-0190
0.20	3.5	3.175	38	Φ0.20*3.5*3.175*38	DC311-0200	DC312-0200
0.21	3.5	3.175	38	Φ0.21*3.5*3.175*38	DC311-0210	DC312-0210
0.22	3.5	3.175	38	Φ0.22*3.5*3.175*38	DC311-0220	DC312-0220
0.23	3.5	3.175	38	Φ0.23*3.5*3.175*38	DC311-0230	DC312-0230
0.24	3.5	3.175	38	Φ0.24*3.5*3.175*38	DC311-0240	DC312-0240
0.25	3.5	3.175	38	Φ0.25*3.5*3.175*38	DC311-0250	DC312-0250
0.26	3.5	3.175	38	Φ0.26*3.5*3.175*38	DC311-0260	DC312-0260
0.27	3.5	3.175	38	Φ0.27*3.5*3.175*38	DC311-0270	DC312-0270
0.28	3.5	3.175	38	Φ0.28*3.5*3.175*38	DC311-0280	DC312-0280
0.29	3.5	3.175	38	Φ0.29*3.5*3.175*38	DC311-0290	DC312-0290
0.30	5	3.175	38	Φ0.30*5*3.175*38	DC311-0300	DC312-0300
0.31	5	3.175	38	Φ0.31*5*3.175*38	DC311-0310	DC312-0310
0.32	5	3.175	38	Φ0.32*5*3.175*38	DC311-0320	DC312-0320
0.33	5	3.175	38	Φ0.33*5*3.175*38	DC311-0330	DC312-0330
0.34	5	3.175	38	Φ0.34*5*3.175*38	DC311-0340	DC312-0340
0.35	5	3.175	38	Φ0.35*5*3.175*38	DC311-0350	DC312-0350
0.36	5	3.175	38	Φ0.36*5*3.175*38	DC311-0360	DC312-0360
0.37	5	3.175	38	Φ0.37*5*3.175*38	DC311-0370	DC312-0370
0.38	5	3.175	38	Φ0.38*5*3.175*38	DC311-0380	DC312-0380
0.39	5	3.175	38	Φ0.39*5*3.175*38	DC311-0390	DC312-0390
0.40	6	3.175	38	Φ0.40*6*3.175*38	DC311-0400	DC312-0400
0.41	6	3.175	38	Φ0.41*6*3.175*38	DC311-0410	DC312-0410
0.42	6	3.175	38	Φ0.42*6*3.175*38	DC311-0420	DC312-0420
0.43	6	3.175	38	Φ0.43*6*3.175*38	DC311-0430	DC312-0430

尺寸公差					DC311	DC312
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC311	DC311
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
0.44	6	3.175	38	Φ0.44*6*3.175*38	DC311-0440	DC312-0440
0.45	6	3.175	38	Φ0.45*6*3.175*38	DC311-0450	DC312-0450
0.46	6	3.175	38	Φ0.46*6*3.175*38	DC311-0460	DC312-0460
0.47	6	3.175	38	Φ0.47*6*3.175*38	DC311-0470	DC312-0470
0.48	6	3.175	38	Φ0.48*6*3.175*38	DC311-0480	DC312-0480
0.49	6	3.175	38	Φ0.49*6*3.175*38	DC311-0490	DC312-0490
0.5	6	3.175	38	Φ0.5*6*3.175*38	DC311-0500	DC312-0500
0.51	6	3.175	38	Φ0.51*6*3.175*38	DC311-0510	DC312-0510
0.52	6	3.175	38	Φ0.52*6*3.175*38	DC311-0520	DC312-0520
0.53	6	3.175	38	Φ0.53*6*3.175*38	DC311-0530	DC312-0530
0.54	6	3.175	38	Φ0.54*6*3.175*38	DC311-0540	DC312-0540
0.55	6	3.175	38	Φ0.55*6*3.175*38	DC311-0550	DC312-0550
0.56	6	3.175	38	Φ0.56*6*3.175*38	DC311-0560	DC312-0560
0.57	6	3.175	38	Φ0.57*6*3.175*38	DC311-0570	DC312-0570
0.58	6	3.175	38	Φ0.58*6*3.175*38	DC311-0580	DC312-0580
0.59	6	3.175	38	Φ0.59*6*3.175*38	DC311-0590	DC312-0590
0.60	7	3.175	38	Φ0.60*7*3.175*38	DC311-0600	DC312-0600
0.61	7	3.175	38	Φ0.61*7*3.175*38	DC311-0610	DC312-0610
0.62	7	3.175	38	Φ0.62*7*3.175*38	DC311-0620	DC312-0620
0.63	7	3.175	38	Φ0.63*7*3.175*38	DC311-0630	DC312-0630
0.64	7	3.175	38	Φ0.64*7*3.175*38	DC311-0640	DC312-0640
0.65	7	3.175	38	Φ0.65*7*3.175*38	DC311-0650	DC312-0650
0.66	7	3.175	38	Φ0.66*7*3.175*38	DC311-0660	DC312-0660
0.67	7	3.175	38	Φ0.67*7*3.175*38	DC311-0670	DC312-0670
0.68	7	3.175	38	Φ0.68*7*3.175*38	DC311-0680	DC312-0680
0.69	7	3.175	38	Φ0.69*7*3.175*38	DC311-0690	DC312-0690
0.70	8	3.175	38	Φ0.70*8*3.175*38	DC311-0700	DC312-0700
0.71	8	3.175	38	Φ0.71*8*3.175*38	DC311-0710	DC312-0710
0.72	8	3.175	38	Φ0.72*8*3.175*38	DC311-0720	DC312-0720
0.73	8	3.175	38	Φ0.73*8*3.175*38	DC311-0730	DC312-0730
0.74	8	3.175	38	Φ0.74*8*3.175*38	DC311-0740	DC312-0740
0.75	8	3.175	38	Φ0.75*8*3.175*38	DC311-0750	DC312-0750
0.76	8	3.175	38	Φ0.76*8*3.175*38	DC311-0760	DC312-0760
0.77	8	3.175	38	Φ0.77*8*3.175*38	DC311-0770	DC312-0770
0.78	8	3.175	38	Φ0.78*8*3.175*38	DC311-0780	DC312-0780
0.79	8	3.175	38	Φ0.79*8*3.175*38	DC311-0790	DC312-0790
0.8	8	3.175	38	Φ0.8*8*3.175*38	DC311-0800	DC312-0800
0.81	8	3.175	38	Φ0.81*8*3.175*38	DC311-0810	DC312-0810
0.82	8	3.175	38	Φ0.82*8*3.175*38	DC311-0820	DC312-0820
0.83	8	3.175	38	Φ0.83*8*3.175*38	DC311-0830	DC312-0830
0.84	8	3.175	38	Φ0.84*8*3.175*38	DC311-0840	DC312-0840
0.85	8	3.175	38	Φ0.85*8*3.175*38	DC311-0850	DC312-0850
0.86	8	3.175	38	Φ0.86*8*3.175*38	DC311-0860	DC312-0860
0.87	8	3.175	38	Φ0.87*8*3.175*38	DC311-0870	DC312-0870
0.88	8	3.175	38	Φ0.88*8*3.175*38	DC311-0880	DC312-0880
0.89	8	3.175	38	Φ0.89*8*3.175*38	DC311-0890	DC312-0890
0.90	8	3.175	38	Φ0.90*8*3.175*38	DC311-0900	DC312-0900
0.91	8	3.175	38	Φ0.91*8*3.175*38	DC311-0910	DC312-0910
0.92	8	3.175	38	Φ0.92*8*3.175*38	DC311-0920	DC312-0920
0.93	8	3.175	38	Φ0.93*8*3.175*38	DC311-0930	DC312-0930
0.94	8	3.175	38	Φ0.94*8*3.175*38	DC311-0940	DC312-0940
0.95	8	3.175	38	Φ0.95*8*3.175*38	DC311-0950	DC312-0950
0.96	8	3.175	38	Φ0.96*8*3.175*38	DC311-0960	DC312-0960
0.97	8	3.175	38	Φ0.97*8*3.175*38	DC311-0970	DC312-0970
0.98	8	3.175	38	Φ0.98*8*3.175*38	DC311-0980	DC312-0980
0.99	8	3.175	38	Φ0.99*8*3.175*38	DC311-0990	DC312-0990
1.00	10	3.175	38	Φ1.00*10*3.175*38	DC311-1000	DC312-1000
1.01	10	3.175	38	Φ1.01*10*3.175*38	DC311-1010	DC312-1010
1.02	10	3.175	38	Φ1.02*10*3.175*38	DC311-1020	DC312-1020
1.03	10	3.175	38	Φ1.03*10*3.175*38	DC311-1030	DC312-1030
1.04	10	3.175	38	Φ1.04*10*3.175*38	DC311-1040	DC312-1040
1.05	10	3.175	38	Φ1.05*10*3.175*38	DC311-1050	DC312-1050
1.06	10	3.175	38	Φ1.06*10*3.175*38	DC311-1060	DC312-1060
1.07	10	3.175	38	Φ1.07*10*3.175*38	DC311-1070	DC312-1070
1.08	10	3.175	38	Φ1.08*10*3.175*38	DC311-1080	DC312-1080
1.09	10	3.175	38	Φ1.09*10*3.175*38	DC311-1090	DC312-1090
1.10	10	3.175	38	Φ1.10*10*3.175*38	DC311-1100	DC312-1100
1.11	10	3.175	38	Φ1.11*10*3.175*38	DC311-1110	DC312-1110
1.12	10	3.175	38	Φ1.12*10*3.175*38	DC311-1120	DC312-1120
1.13	10	3.175	38	Φ1.13*10*3.175*38	DC311-1130	DC312-1130
1.14	10	3.175	38	Φ1.14*10*3.175*38	DC311-1140	DC312-1140

尺寸公差					DC311	DC312
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC311	DC311
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
1.15	10	3.175	38	Φ1.15*10*3.175*38	DC311-1150	DC312-1150
1.16	10	3.175	38	Φ1.16*10*3.175*38	DC311-1160	DC312-1160
1.17	10	3.175	38	Φ1.17*10*3.175*38	DC311-1170	DC312-1170
1.18	10	3.175	38	Φ1.18*10*3.175*38	DC311-1180	DC312-1180
1.19	10	3.175	38	Φ1.19*10*3.175*38	DC311-1190	DC312-1190
1.2	10	3.175	38	Φ1.2*10*3.175*38	DC311-1200	DC312-1200
1.21	10	3.175	38	Φ1.21*10*3.175*38	DC311-1210	DC312-1210
1.22	10	3.175	38	Φ1.22*10*3.175*38	DC311-1220	DC312-1220
1.23	10	3.175	38	Φ1.23*10*3.175*38	DC311-1230	DC312-1230
1.24	10	3.175	38	Φ1.24*10*3.175*38	DC311-1240	DC312-1240
1.25	10	3.175	38	Φ1.25*10*3.175*38	DC311-1250	DC312-1250
1.26	10	3.175	38	Φ1.26*10*3.175*38	DC311-1260	DC312-1260
1.27	10	3.175	38	Φ1.27*10*3.175*38	DC311-1270	DC312-1270
1.28	10	3.175	38	Φ1.28*10*3.175*38	DC311-1280	DC312-1280
1.29	10	3.175	38	Φ1.29*10*3.175*38	DC311-1290	DC312-1290
1.30	10	3.175	38	Φ1.30*10*3.175*38	DC311-1300	DC312-1300
1.31	10	3.175	38	Φ1.31*10*3.175*38	DC311-1310	DC312-1310
1.32	10	3.175	38	Φ1.32*10*3.175*38	DC311-1320	DC312-1320
1.33	10	3.175	38	Φ1.33*10*3.175*38	DC311-1330	DC311-1330
1.34	10	3.175	38	Φ1.34*10*3.175*38	DC311-1340	DC311-1340
1.35	10	3.175	38	Φ1.35*10*3.175*38	DC311-1350	DC311-1350
1.36	10	3.175	38	Φ1.36*10*3.175*38	DC311-1360	DC311-1360
1.37	10	3.175	38	Φ1.37*10*3.175*38	DC311-1370	DC311-1370
1.38	10	3.175	38	Φ1.38*10*3.175*38	DC311-1380	DC311-1380
1.39	10	3.175	38	Φ1.39*10*3.175*38	DC311-1390	DC311-1390
1.40	10	3.175	38	Φ1.40*10*3.175*38	DC311-1400	DC311-1400
1.41	10	3.175	38	Φ1.41*10*3.175*38	DC311-1410	DC311-1410
1.42	10	3.175	38	Φ1.42*10*3.175*38	DC311-1420	DC311-1420
1.43	10	3.175	38	Φ1.43*10*3.175*38	DC311-1430	DC311-1430
1.44	10	3.175	38	Φ1.44*10*3.175*38	DC311-1440	DC311-1440
1.45	10	3.175	38	Φ1.45*10*3.175*38	DC311-1450	DC311-1450
1.46	10	3.175	38	Φ1.46*10*3.175*38	DC311-1460	DC311-1460
1.47	10	3.175	38	Φ1.47*10*3.175*38	DC311-1470	DC311-1470
1.48	10	3.175	38	Φ1.48*10*3.175*38	DC311-1480	DC311-1480
1.49	10	3.175	38	Φ1.49*10*3.175*38	DC311-1490	DC311-1490
1.50	10	3.175	38	Φ1.50*10*3.175*38	DC311-1500	DC311-1500
1.51	10	3.175	38	Φ1.51*10*3.175*38	DC311-1510	DC311-1510
1.52	10	3.175	38	Φ1.52*10*3.175*38	DC311-1520	DC311-1520
1.53	10	3.175	38	Φ1.53*10*3.175*38	DC311-1530	DC311-1530
1.54	10	3.175	38	Φ1.54*10*3.175*38	DC311-1540	DC311-1540
1.55	10	3.175	38	Φ1.55*10*3.175*38	DC311-1550	DC311-1550
1.56	10	3.175	38	Φ1.56*10*3.175*38	DC311-1560	DC311-1560
1.57	10	3.175	38	Φ1.57*10*3.175*38	DC311-1570	DC311-1570
1.58	10	3.175	38	Φ1.58*10*3.175*38	DC311-1580	DC311-1580
1.59	10	3.175	38	Φ1.59*10*3.175*38	DC311-1590	DC311-1590
1.60	12	3.175	38	Φ1.60*12*3.175*38	DC311-1600	DC311-1600
1.61	12	3.175	38	Φ1.61*12*3.175*38	DC311-1610	DC311-1610
1.62	12	3.175	38	Φ1.62*12*3.175*38	DC311-1620	DC311-1620
1.63	12	3.175	38	Φ1.63*12*3.175*38	DC311-1630	DC311-1630
1.64	12	3.175	38	Φ1.64*12*3.175*38	DC311-1640	DC311-1640
1.65	12	3.175	38	Φ1.65*12*3.175*38	DC311-1650	DC311-1650
1.66	12	3.175	38	Φ1.66*12*3.175*38	DC311-1660	DC311-1660
1.67	12	3.175	38	Φ1.67*12*3.175*38	DC311-1670	DC311-1670
1.68	12	3.175	38	Φ1.68*12*3.175*38	DC311-1680	DC311-1680
1.69	12	3.175	38	Φ1.69*12*3.175*38	DC311-1690	DC311-1690
1.70	12	3.175	38	Φ1.70*12*3.175*38	DC311-1700	DC311-1700
1.71	12	3.175	38	Φ1.71*12*3.175*38	DC311-1710	DC311-1710
1.72	12	3.175	38	Φ1.72*12*3.175*38	DC311-1720	DC311-1720
1.73	12	3.175	38	Φ1.73*12*3.175*38	DC311-1730	DC311-1730
1.74	12	3.175	38	Φ1.74*12*3.175*38	DC311-1740	DC311-1740
1.75	12	3.175	38	Φ1.75*12*3.175*38	DC311-1750	DC311-1750
1.76	12	3.175	38	Φ1.76*12*3.175*38	DC311-1760	DC311-1760
1.77	12	3.175	38	Φ1.77*12*3.175*38	DC311-1770	DC311-1770
1.78	12	3.175	38	Φ1.78*12*3.175*38	DC311-1780	DC311-1780
1.79	12	3.175	38	Φ1.79*12*3.175*38	DC311-1790	DC311-1790
1.80	12	3.175	38	Φ1.80*12*3.175*38	DC311-1800	DC311-1800
1.81	12	3.175	38	Φ1.81*12*3.175*38	DC311-1810	DC311-1810
1.82	12	3.175	38	Φ1.82*12*3.175*38	DC311-1820	DC311-1820
1.83	12	3.175	38	Φ1.83*12*3.175*38	DC311-1830	DC311-1830
1.84	12	3.175	38	Φ1.84*12*3.175*38	DC311-1840	DC311-1840
1.85	12	3.175	38	Φ1.85*12*3.175*38	DC311-1850	DC311-1850

尺寸公差					DC311	DC312
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC311	DC311
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
1.86	12	3.175	38	Φ1.86*12*3.175*38	DC311-1860	DC311-1860
1.87	12	3.175	38	Φ1.87*12*3.175*38	DC311-1870	DC311-1870
1.88	12	3.175	38	Φ1.88*12*3.175*38	DC311-1880	DC311-1880
1.89	12	3.175	38	Φ1.89*12*3.175*38	DC311-1890	DC311-1890
1.90	12	3.175	38	Φ1.90*12*3.175*38	DC311-1900	DC311-1900
1.91	12	3.175	38	Φ1.91*12*3.175*38	DC311-1910	DC311-1910
1.92	12	3.175	38	Φ1.92*12*3.175*38	DC311-1920	DC311-1920
1.93	12	3.175	38	Φ1.93*12*3.175*38	DC311-1930	DC311-1930
1.94	12	3.175	38	Φ1.94*12*3.175*38	DC311-1940	DC311-1940
1.95	12	3.175	38	Φ1.95*12*3.175*38	DC311-1950	DC311-1950
1.96	12	3.175	38	Φ1.96*12*3.175*38	DC311-1960	DC311-1960
1.97	12	3.175	38	Φ1.97*12*3.175*38	DC311-1970	DC311-1970
1.98	12	3.175	38	Φ1.98*12*3.175*38	DC311-1980	DC311-1980
1.99	12	3.175	38	Φ1.99*12*3.175*38	DC311-1990	DC311-1990
2.00	12	3.175	38	Φ2.00*12*3.175*38	DC311-2000	DC311-2000
2.01	12	3.175	38	Φ2.01*12*3.175*38	DC311-2010	DC311-2010
2.02	12	3.175	38	Φ2.02*12*3.175*38	DC311-2020	DC311-2020
2.03	12	3.175	38	Φ2.03*12*3.175*38	DC311-2030	DC311-2030
2.04	12	3.175	38	Φ2.04*12*3.175*38	DC311-2040	DC311-2040
2.05	12	3.175	38	Φ2.05*12*3.175*38	DC311-2050	DC311-2050
2.06	12	3.175	38	Φ2.06*12*3.175*38	DC311-2060	DC311-2060
2.07	12	3.175	38	Φ2.07*12*3.175*38	DC311-2070	DC311-2070
2.08	12	3.175	38	Φ2.08*12*3.175*38	DC311-2080	DC311-2080
2.09	12	3.175	38	Φ2.09*12*3.175*38	DC311-2090	DC311-2090
2.10	12	3.175	38	Φ2.10*12*3.175*38	DC311-2100	DC311-2100
2.11	12	3.175	38	Φ2.11*12*3.175*38	DC311-2110	DC311-2110
2.12	12	3.175	38	Φ2.12*12*3.175*38	DC311-2120	DC311-2120
2.13	12	3.175	38	Φ2.13*12*3.175*38	DC311-2130	DC311-2130
2.14	12	3.175	38	Φ2.14*12*3.175*38	DC311-2140	DC311-2140
2.15	12	3.175	38	Φ2.15*12*3.175*38	DC311-2150	DC311-2150
2.16	12	3.175	38	Φ2.16*12*3.175*38	DC311-2160	DC311-2160
2.17	12	3.175	38	Φ2.17*12*3.175*38	DC311-2170	DC311-2170
2.18	12	3.175	38	Φ2.18*12*3.175*38	DC311-2180	DC311-2180
2.19	12	3.175	38	Φ2.19*12*3.175*38	DC311-2190	DC311-2190
2.20	12	3.175	38	Φ2.20*12*3.175*38	DC311-2200	DC311-2200
2.21	12	3.175	38	Φ2.21*12*3.175*38	DC311-2210	DC311-2210
2.22	12	3.175	38	Φ2.22*12*3.175*38	DC311-2220	DC311-2220
2.23	12	3.175	38	Φ2.23*12*3.175*38	DC311-2230	DC311-2230
2.24	12	3.175	38	Φ2.24*12*3.175*38	DC311-2240	DC311-2240
2.25	12	3.175	38	Φ2.25*12*3.175*38	DC311-2250	DC311-2250
2.26	12	3.175	38	Φ2.26*12*3.175*38	DC311-2260	DC311-2260
2.27	12	3.175	38	Φ2.27*12*3.175*38	DC311-2270	DC311-2270
2.28	12	3.175	38	Φ2.28*12*3.175*38	DC311-2280	DC311-2280
2.29	12	3.175	38	Φ2.29*12*3.175*38	DC311-2290	DC311-2290
2.30	12	3.175	38	Φ2.30*12*3.175*38	DC311-2300	DC311-2300
2.31	12	3.175	38	Φ2.31*12*3.175*38	DC311-2310	DC311-2310
2.32	12	3.175	38	Φ2.32*12*3.175*38	DC311-2320	DC311-2320
2.33	12	3.175	38	Φ2.33*12*3.175*38	DC311-2330	DC311-2330
2.34	12	3.175	38	Φ2.34*12*3.175*38	DC311-2340	DC311-2340
2.35	12	3.175	38	Φ2.35*12*3.175*38	DC311-2350	DC311-2350
2.36	12	3.175	38	Φ2.36*12*3.175*38	DC311-2360	DC311-2360
2.37	12	3.175	38	Φ2.37*12*3.175*38	DC311-2370	DC311-2370
2.38	12	3.175	38	Φ2.38*12*3.175*38	DC311-2380	DC311-2380
2.39	12	3.175	38	Φ2.39*12*3.175*38	DC311-2390	DC311-2390
2.40	12	3.175	38	Φ2.40*12*3.175*38	DC311-2400	DC311-2400
2.41	12	3.175	38	Φ2.41*12*3.175*38	DC311-2410	DC311-2410
2.42	12	3.175	38	Φ2.42*12*3.175*38	DC311-2420	DC311-2420
2.43	12	3.175	38	Φ2.43*12*3.175*38	DC311-2430	DC311-2430
2.44	12	3.175	38	Φ2.44*12*3.175*38	DC311-2440	DC311-2440
2.45	12	3.175	38	Φ2.45*12*3.175*38	DC311-2450	DC311-2450
2.46	12	3.175	38	Φ2.46*12*3.175*38	DC311-2460	DC311-2460
2.47	12	3.175	38	Φ2.47*12*3.175*38	DC311-2470	DC311-2470
2.48	12	3.175	38	Φ2.48*12*3.175*38	DC311-2480	DC311-2480
2.49	12	3.175	38	Φ2.49*12*3.175*38	DC311-2490	DC311-2490
2.50	12	3.175	38	Φ2.50*12*3.175*38	DC311-2500	DC311-2500
2.51	12	3.175	38	Φ2.51*12*3.175*38	DC311-2510	DC311-2510
2.52	12	3.175	38	Φ2.52*12*3.175*38	DC311-2520	DC311-2520
2.53	12	3.175	38	Φ2.53*12*3.175*38	DC311-2530	DC311-2530
2.54	12	3.175	38	Φ2.54*12*3.175*38	DC311-2540	DC311-2540
2.55	12	3.175	38	Φ2.55*12*3.175*38	DC311-2550	DC311-2550
2.56	12	3.175	38	Φ2.56*12*3.175*38	DC311-2560	DC311-2560

尺寸公差					DC311	DC312
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC311	DC311
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
2.57	12	3.175	38	Φ2.57*12*3.175*38	DC311-2570	DC311-2570
2.58	12	3.175	38	Φ2.58*12*3.175*38	DC311-2580	DC311-2580
2.59	12	3.175	38	Φ2.59*12*3.175*38	DC311-2590	DC311-2590
2.60	12	3.175	38	Φ2.60*12*3.175*38	DC311-2600	DC311-2600
2.61	12	3.175	38	Φ2.61*12*3.175*38	DC311-2610	DC311-2610
2.62	12	3.175	38	Φ2.62*12*3.175*38	DC311-2620	DC311-2620
2.63	12	3.175	38	Φ2.63*12*3.175*38	DC311-2630	DC311-2630
2.64	12	3.175	38	Φ2.64*12*3.175*38	DC311-2640	DC311-2640
2.65	12	3.175	38	Φ2.65*12*3.175*38	DC311-2650	DC311-2650
2.66	12	3.175	38	Φ2.66*12*3.175*38	DC311-2660	DC311-2660
2.67	12	3.175	38	Φ2.67*12*3.175*38	DC311-2670	DC311-2670
2.68	12	3.175	38	Φ2.68*12*3.175*38	DC311-2680	DC311-2680
2.69	12	3.175	38	Φ2.69*12*3.175*38	DC311-2690	DC311-2690
2.70	12	3.175	38	Φ2.70*12*3.175*38	DC311-2700	DC311-2700
2.71	12	3.175	38	Φ2.71*12*3.175*38	DC311-2710	DC311-2710
2.72	12	3.175	38	Φ2.72*12*3.175*38	DC311-2720	DC311-2720
2.73	12	3.175	38	Φ2.73*12*3.175*38	DC311-2730	DC311-2730
2.74	12	3.175	38	Φ2.74*12*3.175*38	DC311-2740	DC311-2740
2.75	12	3.175	38	Φ2.75*12*3.175*38	DC311-2750	DC311-2750
2.76	12	3.175	38	Φ2.76*12*3.175*38	DC311-2760	DC311-2760
2.77	12	3.175	38	Φ2.77*12*3.175*38	DC311-2770	DC311-2770
2.78	12	3.175	38	Φ2.78*12*3.175*38	DC311-2780	DC311-2780
2.79	12	3.175	38	Φ2.79*12*3.175*38	DC311-2790	DC311-2790
2.80	12	3.175	38	Φ2.80*12*3.175*38	DC311-2800	DC311-2800
2.81	12	3.175	38	Φ2.81*12*3.175*38	DC311-2810	DC311-2810
2.82	12	3.175	38	Φ2.82*12*3.175*38	DC311-2820	DC311-2820
2.83	12	3.175	38	Φ2.83*12*3.175*38	DC311-2830	DC311-2830
2.84	12	3.175	38	Φ2.84*12*3.175*38	DC311-2840	DC311-2840
2.85	12	3.175	38	Φ2.85*12*3.175*38	DC311-2850	DC311-2850
2.86	12	3.175	38	Φ2.86*12*3.175*38	DC311-2860	DC311-2860
2.87	12	3.175	38	Φ2.87*12*3.175*38	DC311-2870	DC311-2870
2.88	12	3.175	38	Φ2.88*12*3.175*38	DC311-2880	DC311-2880
2.89	12	3.175	38	Φ2.89*12*3.175*38	DC311-2890	DC311-2890
2.90	12	3.175	38	Φ2.90*12*3.175*38	DC311-2900	DC311-2900
2.91	12	3.175	38	Φ2.91*12*3.175*38	DC311-2910	DC311-2910
2.92	12	3.175	38	Φ2.92*12*3.175*38	DC311-2920	DC311-2920
2.93	12	3.175	38	Φ2.93*12*3.175*38	DC311-2930	DC311-2930
2.94	12	3.175	38	Φ2.94*12*3.175*38	DC311-2940	DC311-2940
2.95	12	3.175	38	Φ2.95*12*3.175*38	DC311-2950	DC311-2950
2.96	12	3.175	38	Φ2.96*12*3.175*38	DC311-2960	DC311-2960
2.97	12	3.175	38	Φ2.97*12*3.175*38	DC311-2970	DC311-2970
2.98	12	3.175	38	Φ2.98*12*3.175*38	DC311-2980	DC311-2980
2.99	12	3.175	38	Φ2.99*12*3.175*38	DC311-2990	DC311-2990
3.00	12	3.175	38	Φ3.00*12*3.175*38	DC311-3000	DC311-3000

Carbide

Factory
Standard

0
0.003

h8

Shank

Helix
30°

118°

硬质合金加长微小钻头
Carbide extended micro drill

产品优点：
Product
Advantages:

1. 刃口精细加工，抛光处理更能保证刀具钻孔效率
2. 大切屑时断屑简单、排屑顺畅，大幅提高加工效率和质量
3. 高精度研磨，打孔精度高
4. 高品质涂层，提升耐磨性

1. Fine edge finishing and polishing ensure drilling efficiency.
2. Simple chip breaking and smooth chip evacuation during heavy cutting, greatly improving machining efficiency and quality.
3. High-precision grinding ensures high hole-making accuracy.
4. High-quality coating enhances wear resistance.

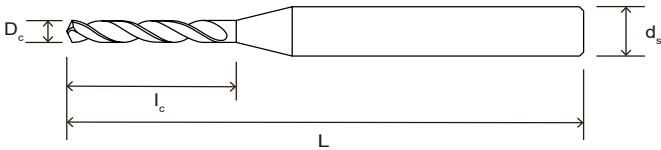
DC321

古铜涂层
TISIN



DC322

铝钛涂层
ALTIN



尺寸公差					DC321	DC322
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	L _c -mm	d _s (H8)-mm	L-mm		DC321	DC322
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
0.10	3	3.175	38	Φ0.1*3*3.175*38	DC321-0100	DC322-0100
0.11	3	3.175	38	Φ0.11*3*3.175*38	DC321-0110	DC322-0110
0.12	4	3.175	38	Φ0.12*4*3.175*38	DC321-0120	DC322-0120
0.13	4	3.175	38	Φ0.13*4*3.175*38	DC321-0130	DC322-0130
0.14	4	3.175	38	Φ0.14*4*3.175*38	DC321-0140	DC322-0140
0.15	5	3.175	38	Φ0.15*5*3.175*38	DC321-0150	DC322-0150
0.16	5	3.175	38	Φ0.16*5*3.175*38	DC321-0160	DC322-0160
0.17	5	3.175	38	Φ0.17*5*3.175*38	DC321-0170	DC322-0170
0.18	5	3.175	38	Φ0.18*5*3.175*38	DC321-0180	DC322-0180
0.19	5	3.175	38	Φ0.19*5*3.175*38	DC321-0190	DC322-0190
0.20	5	3.175	38	Φ0.2*5*3.175*38	DC321-0200	DC322-0200
0.21	5	3.175	38	Φ0.21*5*3.175*38	DC321-0210	DC322-0210
0.22	5	3.175	38	Φ0.22*5*3.175*38	DC321-0220	DC322-0220
0.23	5	3.175	38	Φ0.23*5*3.175*38	DC321-0230	DC322-0230
0.24	5	3.175	38	Φ0.24*5*3.175*38	DC321-0240	DC322-0240
0.25	5	3.175	38	Φ0.25*5*3.175*38	DC321-0250	DC322-0250
0.26	6	3.175	38	Φ0.26*6*3.175*38	DC321-0260	DC322-0260
0.27	6	3.175	38	Φ0.27*6*3.175*38	DC321-0270	DC322-0270
0.28	6	3.175	38	Φ0.28*6*3.175*38	DC321-0280	DC322-0280
0.29	6	3.175	38	Φ0.29*6*3.175*38	DC321-0290	DC322-0290
0.30	8	3.175	38	Φ0.3*8*3.175*38	DC321-0300	DC322-0300
0.31	8	3.175	38	Φ0.31*8*3.175*38	DC321-0310	DC322-0310
0.32	8	3.175	38	Φ0.32*8*3.175*38	DC321-0320	DC322-0320
0.33	8	3.175	38	Φ0.33*8*3.175*38	DC321-0330	DC322-0330
0.34	8	3.175	38	Φ0.34*8*3.175*38	DC321-0340	DC322-0340
0.35	8	3.175	38	Φ0.35*8*3.175*38	DC321-0350	DC322-0350
0.36	8	3.175	38	Φ0.36*8*3.175*38	DC321-0360	DC322-0360
0.37	8	3.175	38	Φ0.37*8*3.175*38	DC321-0370	DC322-0370
0.38	8	3.175	38	Φ0.38*8*3.175*38	DC321-0380	DC322-0380
0.39	8	3.175	38	Φ0.39*8*3.175*38	DC321-0390	DC322-0390
0.40	9	3.175	38	Φ0.4*9*3.175*38	DC321-0400	DC322-0400
0.41	9	3.175	38	Φ0.41*9*3.175*38	DC321-0410	DC322-0410
0.42	9	3.175	38	Φ0.42*9*3.175*38	DC321-0420	DC322-0420
0.43	9	3.175	38	Φ0.43*9*3.175*38	DC321-0430	DC322-0430

尺寸公差					DC321	DC322
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC321	DC322
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
0.44	9	3.175	38	Φ0.44*9*3.175*38	DC321-0440	DC322-0440
0.45	9	3.175	38	Φ0.45*9*3.175*38	DC321-0450	DC322-0450
0.46	9	3.175	38	Φ0.46*9*3.175*38	DC321-0460	DC322-0460
0.47	9	3.175	38	Φ0.47*9*3.175*38	DC321-0470	DC322-0470
0.48	9	3.175	38	Φ0.48*9*3.175*38	DC321-0480	DC322-0480
0.49	9	3.175	38	Φ0.49*9*3.175*38	DC321-0490	DC322-0490
0.50	9	3.175	38	Φ0.5*9*3.175*38	DC321-0500	DC322-0500
0.51	9	3.175	38	Φ0.51*9*3.175*38	DC321-0510	DC322-0510
0.52	9	3.175	38	Φ0.52*9*3.175*38	DC321-0520	DC322-0520
0.53	9	3.175	38	Φ0.53*9*3.175*38	DC321-0530	DC322-0530
0.54	9	3.175	38	Φ0.54*9*3.175*38	DC321-0540	DC322-0540
0.55	9	3.175	38	Φ0.55*9*3.175*38	DC321-0550	DC322-0550
0.56	9	3.175	38	Φ0.56*9*3.175*38	DC321-0560	DC322-0560
0.57	9	3.175	38	Φ0.57*9*3.175*38	DC321-0570	DC322-0570
0.58	9	3.175	38	Φ0.58*9*3.175*38	DC321-0580	DC322-0580
0.59	9	3.175	38	Φ0.59*9*3.175*38	DC321-0590	DC322-0590
0.60	10	3.175	38	Φ0.6*10*3.175*38	DC321-0600	DC322-0600
0.61	10	3.175	38	Φ0.61*10*3.175*38	DC321-0610	DC322-0610
0.62	10	3.175	38	Φ0.62*10*3.175*38	DC321-0620	DC322-0620
0.63	10	3.175	38	Φ0.63*10*3.175*38	DC321-0630	DC322-0630
0.64	10	3.175	38	Φ0.64*10*3.175*38	DC321-0640	DC322-0640
0.65	10	3.175	38	Φ0.65*10*3.175*38	DC321-0650	DC322-0650
0.66	10	3.175	38	Φ0.66*10*3.175*38	DC321-0660	DC322-0660
0.67	10	3.175	38	Φ0.67*10*3.175*38	DC321-0670	DC322-0670
0.68	10	3.175	38	Φ0.68*10*3.175*38	DC321-0680	DC322-0680
0.69	10	3.175	38	Φ0.69*10*3.175*38	DC321-0690	DC322-0690
0.70	10	3.175	38	Φ0.7*10*3.175*38	DC321-0700	DC322-0700
0.71	10	3.175	38	Φ0.71*10*3.175*38	DC321-0710	DC322-0710
0.72	10	3.175	38	Φ0.72*10*3.175*38	DC321-0720	DC322-0720
0.73	10	3.175	38	Φ0.73*10*3.175*38	DC321-0730	DC322-0730
0.74	10	3.175	38	Φ0.74*10*3.175*38	DC321-0740	DC322-0740
0.75	10	3.175	38	Φ0.75*10*3.175*38	DC321-0750	DC322-0750
0.76	10	3.175	38	Φ0.76*10*3.175*38	DC321-0760	DC322-0760
0.77	10	3.175	38	Φ0.77*10*3.175*38	DC321-0770	DC322-0770
0.78	10	3.175	38	Φ0.78*10*3.175*38	DC321-0780	DC322-0780
0.79	10	3.175	38	Φ0.79*10*3.175*38	DC321-0790	DC322-0790
0.80	10	3.175	38	Φ0.8*10*3.175*38	DC321-0800	DC322-0800
0.81	10	3.175	38	Φ0.81*10*3.175*38	DC321-0810	DC322-0810
0.82	10	3.175	38	Φ0.82*10*3.175*38	DC321-0820	DC322-0820
0.83	10	3.175	38	Φ0.83*10*3.175*38	DC321-0830	DC322-0830
0.84	10	3.175	38	Φ0.84*10*3.175*38	DC321-0840	DC322-0840
0.85	10	3.175	38	Φ0.85*10*3.175*38	DC321-0850	DC322-0850
0.86	10	3.175	38	Φ0.86*10*3.175*38	DC321-0860	DC322-0860
0.87	10	3.175	38	Φ0.87*10*3.175*38	DC321-0870	DC322-0870
0.88	10	3.175	38	Φ0.88*10*3.175*38	DC321-0880	DC322-0880
0.89	10	3.175	38	Φ0.89*10*3.175*38	DC321-0890	DC322-0890
0.90	12	3.175	38	Φ0.9*12*3.175*38	DC321-0900	DC322-0900
0.91	12	3.175	38	Φ0.91*12*3.175*38	DC321-0910	DC322-0910
0.92	12	3.175	38	Φ0.92*12*3.175*38	DC321-0920	DC322-0920
0.93	12	3.175	38	Φ0.93*12*3.175*38	DC321-0930	DC322-0930
0.94	12	3.175	38	Φ0.94*12*3.175*38	DC321-0940	DC322-0940
0.95	12	3.175	38	Φ0.95*12*3.175*38	DC321-0950	DC322-0950
0.96	12	3.175	38	Φ0.96*12*3.175*38	DC321-0960	DC322-0960
0.97	12	3.175	38	Φ0.97*12*3.175*38	DC321-0970	DC322-0970
0.98	12	3.175	38	Φ0.98*12*3.175*38	DC321-0980	DC322-0980
0.99	12	3.175	38	Φ0.99*12*3.175*38	DC321-0990	DC322-0990
1.00	15	3.175	50	Φ1*15*3.175*50	DC321-1000	DC322-1000
1.01	15	3.175	50	Φ1.01*15*3.175*50	DC321-1010	DC322-1010
1.02	15	3.175	50	Φ1.02*15*3.175*50	DC321-1020	DC322-1020
1.03	15	3.175	50	Φ1.03*15*3.175*50	DC321-1030	DC322-1030
1.04	15	3.175	50	Φ1.04*15*3.175*50	DC321-1040	DC322-1040
1.05	15	3.175	50	Φ1.05*15*3.175*50	DC321-1050	DC322-1050
1.06	15	3.175	50	Φ1.06*15*3.175*50	DC321-1060	DC322-1060
1.07	15	3.175	50	Φ1.07*15*3.175*50	DC321-1070	DC322-1070
1.08	15	3.175	50	Φ1.08*15*3.175*50	DC321-1080	DC322-1080
1.09	15	3.175	50	Φ1.09*15*3.175*50	DC321-1090	DC322-1090
1.10	15	3.175	50	Φ1.1*15*3.175*50	DC321-1100	DC322-1100
1.11	15	3.175	50	Φ1.11*15*3.175*50	DC321-1110	DC322-1110
1.12	15	3.175	50	Φ1.12*15*3.175*50	DC321-1120	DC322-1120
1.13	15	3.175	50	Φ1.13*15*3.175*50	DC321-1130	DC322-1130
1.14	15	3.175	50	Φ1.14*15*3.175*50	DC321-1140	DC322-1140

尺寸公差					DC321	DC322
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC321	DC322
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
1.15	15	3.175	50	Φ1.15*15*3.175*50	DC321-1150	DC322-1150
1.16	15	3.175	50	Φ1.16*15*3.175*50	DC321-1160	DC322-1160
1.17	15	3.175	50	Φ1.17*15*3.175*50	DC321-1170	DC322-1170
1.18	15	3.175	50	Φ1.18*15*3.175*50	DC321-1180	DC322-1180
1.19	15	3.175	50	Φ1.19*15*3.175*50	DC321-1190	DC322-1190
1.20	18	3.175	50	Φ1.2*18*3.175*50	DC321-1200	DC322-1200
1.21	18	3.175	50	Φ1.21*18*3.175*50	DC321-1210	DC322-1210
1.22	18	3.175	50	Φ1.22*18*3.175*50	DC321-1220	DC322-1220
1.23	18	3.175	50	Φ1.23*18*3.175*50	DC321-1230	DC322-1230
1.24	18	3.175	50	Φ1.24*18*3.175*50	DC321-1240	DC322-1240
1.25	18	3.175	50	Φ1.25*18*3.175*50	DC321-1250	DC322-1250
1.26	18	3.175	50	Φ1.26*18*3.175*50	DC321-1260	DC322-1260
1.27	18	3.175	50	Φ1.27*18*3.175*50	DC321-1270	DC322-1270
1.28	18	3.175	50	Φ1.28*18*3.175*50	DC321-1280	DC322-1280
1.29	18	3.175	50	Φ1.29*18*3.175*50	DC321-1290	DC322-1290
1.30	18	3.175	50	Φ1.3*18*3.175*50	DC321-1300	DC322-1300
1.31	18	3.175	50	Φ1.31*18*3.175*50	DC321-1310	DC322-1310
1.32	18	3.175	50	Φ1.32*18*3.175*50	DC321-1320	DC322-1320
1.33	18	3.175	50	Φ1.33*18*3.175*50	DC321-1330	DC322-1330
1.34	18	3.175	50	Φ1.34*18*3.175*50	DC321-1340	DC322-1340
1.35	18	3.175	50	Φ1.35*18*3.175*50	DC321-1350	DC322-1350
1.36	18	3.175	50	Φ1.36*18*3.175*50	DC321-1360	DC322-1360
1.37	18	3.175	50	Φ1.37*18*3.175*50	DC321-1370	DC322-1370
1.38	18	3.175	50	Φ1.38*18*3.175*50	DC321-1380	DC322-1380
1.39	18	3.175	50	Φ1.39*18*3.175*50	DC321-1390	DC322-1390
1.40	18	3.175	50	Φ1.4*18*3.175*50	DC321-1400	DC322-1400
1.41	18	3.175	50	Φ1.41*18*3.175*50	DC321-1410	DC322-1410
1.42	18	3.175	50	Φ1.42*18*3.175*50	DC321-1420	DC322-1420
1.43	18	3.175	50	Φ1.43*18*3.175*50	DC321-1430	DC322-1430
1.44	18	3.175	50	Φ1.44*18*3.175*50	DC321-1440	DC322-1440
1.45	18	3.175	50	Φ1.45*18*3.175*50	DC321-1450	DC322-1450
1.46	18	3.175	50	Φ1.46*18*3.175*50	DC321-1460	DC322-1460
1.47	18	3.175	50	Φ1.47*18*3.175*50	DC321-1470	DC322-1470
1.48	18	3.175	50	Φ1.48*18*3.175*50	DC321-1480	DC322-1480
1.49	18	3.175	50	Φ1.49*18*3.175*50	DC321-1490	DC322-1490
1.50	18	3.175	50	Φ1.5*18*3.175*50	DC321-1500	DC322-1500
1.51	18	3.175	50	Φ1.51*18*3.175*50	DC321-1510	DC322-1510
1.52	18	3.175	50	Φ1.52*18*3.175*50	DC321-1520	DC322-1520
1.53	18	3.175	50	Φ1.53*18*3.175*50	DC321-1530	DC322-1530
1.54	18	3.175	50	Φ1.54*18*3.175*50	DC321-1540	DC322-1540
1.55	18	3.175	50	Φ1.55*18*3.175*50	DC321-1550	DC322-1550
1.56	18	3.175	50	Φ1.56*18*3.175*50	DC321-1560	DC322-1560
1.57	18	3.175	50	Φ1.57*18*3.175*50	DC321-1570	DC322-1570
1.58	18	3.175	50	Φ1.58*18*3.175*50	DC321-1580	DC322-1580
1.59	18	3.175	50	Φ1.59*18*3.175*50	DC321-1590	DC322-1590
1.60	18	3.175	50	Φ1.6*18*3.175*50	DC321-1600	DC322-1600
1.61	18	3.175	50	Φ1.61*18*3.175*50	DC321-1610	DC322-1610
1.62	18	3.175	50	Φ1.62*18*3.175*50	DC321-1620	DC322-1620
1.63	18	3.175	50	Φ1.63*18*3.175*50	DC321-1630	DC322-1630
1.64	18	3.175	50	Φ1.64*18*3.175*50	DC321-1640	DC322-1640
1.65	18	3.175	50	Φ1.65*18*3.175*50	DC321-1650	DC322-1650
1.66	18	3.175	50	Φ1.66*18*3.175*50	DC321-1660	DC322-1660
1.67	18	3.175	50	Φ1.67*18*3.175*50	DC321-1670	DC322-1670
1.68	18	3.175	50	Φ1.68*18*3.175*50	DC321-1680	DC322-1680
1.69	18	3.175	50	Φ1.69*18*3.175*50	DC321-1690	DC322-1690
1.70	18	3.175	50	Φ1.7*18*3.175*50	DC321-1700	DC322-1700
1.71	18	3.175	50	Φ1.71*18*3.175*50	DC321-1710	DC322-1710
1.72	18	3.175	50	Φ1.72*18*3.175*50	DC321-1720	DC322-1720
1.73	18	3.175	50	Φ1.73*18*3.175*50	DC321-1730	DC322-1730
1.74	18	3.175	50	Φ1.74*18*3.175*50	DC321-1740	DC322-1740
1.75	18	3.175	50	Φ1.75*18*3.175*50	DC321-1750	DC322-1750
1.76	18	3.175	50	Φ1.76*18*3.175*50	DC321-1760	DC322-1760
1.77	18	3.175	50	Φ1.77*18*3.175*50	DC321-1770	DC322-1770
1.78	18	3.175	50	Φ1.78*18*3.175*50	DC321-1780	DC322-1780
1.79	18	3.175	50	Φ1.79*18*3.175*50	DC321-1790	DC322-1790
1.80	18	3.175	50	Φ1.8*18*3.175*50	DC321-1800	DC322-1800
1.81	18	3.175	50	Φ1.81*18*3.175*50	DC321-1810	DC322-1810
1.82	18	3.175	50	Φ1.82*18*3.175*50	DC321-1820	DC322-1820
1.83	18	3.175	50	Φ1.83*18*3.175*50	DC321-1830	DC322-1830
1.84	18	3.175	50	Φ1.84*18*3.175*50	DC321-1840	DC322-1840
1.85	18	3.175	50	Φ1.85*18*3.175*50	DC321-1850	DC322-1850

尺寸公差					DC321	DC322
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC321	DC322
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
1.86	18	3.175	50	Φ1.86*18*3.175*50	DC321-1860	DC322-1860
1.87	18	3.175	50	Φ1.87*18*3.175*50	DC321-1870	DC322-1870
1.88	18	3.175	50	Φ1.88*18*3.175*50	DC321-1880	DC322-1880
1.89	18	3.175	50	Φ1.89*18*3.175*50	DC321-1890	DC322-1890
1.90	18	3.175	50	Φ1.9*18*3.175*50	DC321-1900	DC322-1900
1.91	18	3.175	50	Φ1.91*18*3.175*50	DC321-1910	DC322-1910
1.92	18	3.175	50	Φ1.92*18*3.175*50	DC321-1920	DC322-1920
1.93	18	3.175	50	Φ1.93*18*3.175*50	DC321-1930	DC322-1930
1.94	18	3.175	50	Φ1.94*18*3.175*50	DC321-1940	DC322-1940
1.95	18	3.175	50	Φ1.95*18*3.175*50	DC321-1950	DC322-1950
1.96	18	3.175	50	Φ1.96*18*3.175*50	DC321-1960	DC322-1960
1.97	18	3.175	50	Φ1.97*18*3.175*50	DC321-1970	DC322-1970
1.98	18	3.175	50	Φ1.98*18*3.175*50	DC321-1980	DC322-1980
1.99	18	3.175	50	Φ1.99*18*3.175*50	DC321-1990	DC322-1990
2.00	18	3.175	50	Φ2*18*3.175*50	DC321-2000	DC322-2000
2.01	25	3.175	60	Φ2.01*25*3.175*60	DC321-2010	DC322-2010
2.02	25	3.175	60	Φ2.02*25*3.175*60	DC321-2020	DC322-2020
2.03	25	3.175	60	Φ2.03*25*3.175*60	DC321-2030	DC322-2030
2.04	25	3.175	60	Φ2.04*25*3.175*60	DC321-2040	DC322-2040
2.05	25	3.175	60	Φ2.05*25*3.175*60	DC321-2050	DC322-2050
2.06	25	3.175	60	Φ2.06*25*3.175*60	DC321-2060	DC322-2060
2.07	25	3.175	60	Φ2.07*25*3.175*60	DC321-2070	DC322-2070
2.08	25	3.175	60	Φ2.08*25*3.175*60	DC321-2080	DC322-2080
2.09	25	3.175	60	Φ2.09*25*3.175*60	DC321-2090	DC322-2090
2.10	25	3.175	60	Φ2.1*25*3.175*60	DC321-2100	DC322-2100
2.11	25	3.175	60	Φ2.11*25*3.175*60	DC321-2110	DC322-2110
2.12	25	3.175	60	Φ2.12*25*3.175*60	DC321-2120	DC322-2120
2.13	25	3.175	60	Φ2.13*25*3.175*60	DC321-2130	DC322-2130
2.14	25	3.175	60	Φ2.14*25*3.175*60	DC321-2140	DC322-2140
2.15	25	3.175	60	Φ2.15*25*3.175*60	DC321-2150	DC322-2150
2.16	25	3.175	60	Φ2.16*25*3.175*60	DC321-2160	DC322-2160
2.17	25	3.175	60	Φ2.17*25*3.175*60	DC321-2170	DC322-2170
2.18	25	3.175	60	Φ2.18*25*3.175*60	DC321-2180	DC322-2180
2.19	25	3.175	60	Φ2.19*25*3.175*60	DC321-2190	DC322-2190
2.20	25	3.175	60	Φ2.2*25*3.175*60	DC321-2200	DC322-2200
2.21	25	3.175	60	Φ2.21*25*3.175*60	DC321-2210	DC322-2210
2.22	25	3.175	60	Φ2.22*25*3.175*60	DC321-2220	DC322-2220
2.23	25	3.175	60	Φ2.23*25*3.175*60	DC321-2230	DC322-2230
2.24	25	3.175	60	Φ2.24*25*3.175*60	DC321-2240	DC322-2240
2.25	25	3.175	60	Φ2.25*25*3.175*60	DC321-2250	DC322-2250
2.26	25	3.175	60	Φ2.26*25*3.175*60	DC321-2260	DC322-2260
2.27	25	3.175	60	Φ2.27*25*3.175*60	DC321-2270	DC322-2270
2.28	25	3.175	60	Φ2.28*25*3.175*60	DC321-2280	DC322-2280
2.29	25	3.175	60	Φ2.29*25*3.175*60	DC321-2290	DC322-2290
2.30	25	3.175	60	Φ2.3*25*3.175*60	DC321-2300	DC322-2300
2.31	25	3.175	60	Φ2.31*25*3.175*60	DC321-2310	DC322-2310
2.32	25	3.175	60	Φ2.32*25*3.175*60	DC321-2320	DC322-2320
2.33	25	3.175	60	Φ2.33*25*3.175*60	DC321-2330	DC322-2330
2.34	25	3.175	60	Φ2.34*25*3.175*60	DC321-2340	DC322-2340
2.35	25	3.175	60	Φ2.35*25*3.175*60	DC321-2350	DC322-2350
2.36	25	3.175	60	Φ2.36*25*3.175*60	DC321-2360	DC322-2360
2.37	25	3.175	60	Φ2.37*25*3.175*60	DC321-2370	DC322-2370
2.38	25	3.175	60	Φ2.38*25*3.175*60	DC321-2380	DC322-2380
2.39	25	3.175	60	Φ2.39*25*3.175*60	DC321-2390	DC322-2390
2.40	25	3.175	60	Φ2.4*25*3.175*60	DC321-2400	DC322-2400
2.41	25	3.175	60	Φ2.41*25*3.175*60	DC321-2410	DC322-2410
2.42	25	3.175	60	Φ2.42*25*3.175*60	DC321-2420	DC322-2420
2.43	25	3.175	60	Φ2.43*25*3.175*60	DC321-2430	DC322-2430
2.44	25	3.175	60	Φ2.44*25*3.175*60	DC321-2440	DC322-2440
2.45	25	3.175	60	Φ2.45*25*3.175*60	DC321-2450	DC322-2450
2.46	25	3.175	60	Φ2.46*25*3.175*60	DC321-2460	DC322-2460
2.47	25	3.175	60	Φ2.47*25*3.175*60	DC321-2470	DC322-2470
2.48	25	3.175	60	Φ2.48*25*3.175*60	DC321-2480	DC322-2480
2.49	25	3.175	60	Φ2.49*25*3.175*60	DC321-2490	DC322-2490
2.50	25	3.175	60	Φ2.5*25*3.175*60	DC321-2500	DC322-2500
2.51	25	3.175	60	Φ2.51*25*3.175*60	DC321-2510	DC322-2510
2.52	25	3.175	60	Φ2.52*25*3.175*60	DC321-2520	DC322-2520
2.53	25	3.175	60	Φ2.53*25*3.175*60	DC321-2530	DC322-2530
2.54	25	3.175	60	Φ2.54*25*3.175*60	DC321-2540	DC322-2540
2.55	25	3.175	60	Φ2.55*25*3.175*60	DC321-2550	DC322-2550
2.56	25	3.175	60	Φ2.56*25*3.175*60	DC321-2560	DC322-2560

尺寸公差					DC321	DC322
直径	刃长	柄径	全长		物料代码	物料代码
D _c (-0.003)-mm	l _c -mm	d _s (H8)-mm	L-mm		DC321	DC322
Cutting Diameter	Cutting Length	Shank Diameter	Total Length		Art. Number	Art. Number
2.57	25	3.175	60	Φ2.57*25*3.175*60	DC321-2570	DC322-2570
2.58	25	3.175	60	Φ2.58*25*3.175*60	DC321-2580	DC322-2580
2.59	25	3.175	60	Φ2.59*25*3.175*60	DC321-2590	DC322-2590
2.60	25	3.175	60	Φ2.6*25*3.175*60	DC321-2600	DC322-2600
2.61	25	3.175	60	Φ2.61*25*3.175*60	DC321-2610	DC322-2610
2.62	25	3.175	60	Φ2.62*25*3.175*60	DC321-2620	DC322-2620
2.63	25	3.175	60	Φ2.63*25*3.175*60	DC321-2630	DC322-2630
2.64	25	3.175	60	Φ2.64*25*3.175*60	DC321-2640	DC322-2640
2.65	25	3.175	60	Φ2.65*25*3.175*60	DC321-2650	DC322-2650
2.66	25	3.175	60	Φ2.66*25*3.175*60	DC321-2660	DC322-2660
2.67	25	3.175	60	Φ2.67*25*3.175*60	DC321-2670	DC322-2670
2.68	25	3.175	60	Φ2.68*25*3.175*60	DC321-2680	DC322-2680
2.69	25	3.175	60	Φ2.69*25*3.175*60	DC321-2690	DC322-2690
2.70	25	3.175	60	Φ2.7*25*3.175*60	DC321-2700	DC322-2700
2.71	25	3.175	60	Φ2.71*25*3.175*60	DC321-2710	DC322-2710
2.72	25	3.175	60	Φ2.72*25*3.175*60	DC321-2720	DC322-2720
2.73	25	3.175	60	Φ2.73*25*3.175*60	DC321-2730	DC322-2730
2.74	25	3.175	60	Φ2.74*25*3.175*60	DC321-2740	DC322-2740
2.75	25	3.175	60	Φ2.75*25*3.175*60	DC321-2750	DC322-2750
2.76	25	3.175	60	Φ2.76*25*3.175*60	DC321-2760	DC322-2760
2.77	25	3.175	60	Φ2.77*25*3.175*60	DC321-2770	DC322-2770
2.78	25	3.175	60	Φ2.78*25*3.175*60	DC321-2780	DC322-2780
2.79	25	3.175	60	Φ2.79*25*3.175*60	DC321-2790	DC322-2790
2.80	25	3.175	60	Φ2.8*25*3.175*60	DC321-2800	DC322-2800
2.81	25	3.175	60	Φ2.81*25*3.175*60	DC321-2810	DC322-2810
2.82	25	3.175	60	Φ2.82*25*3.175*60	DC321-2820	DC322-2820
2.83	25	3.175	60	Φ2.83*25*3.175*60	DC321-2830	DC322-2830
2.84	25	3.175	60	Φ2.84*25*3.175*60	DC321-2840	DC322-2840
2.85	25	3.175	60	Φ2.85*25*3.175*60	DC321-2850	DC322-2850
2.86	25	3.175	60	Φ2.86*25*3.175*60	DC321-2860	DC322-2860
2.87	25	3.175	60	Φ2.87*25*3.175*60	DC321-2870	DC322-2870
2.88	25	3.175	60	Φ2.88*25*3.175*60	DC321-2880	DC322-2880
2.89	25	3.175	60	Φ2.89*25*3.175*60	DC321-2890	DC322-2890
2.90	25	3.175	60	Φ2.9*25*3.175*60	DC321-2900	DC322-2900
2.91	25	3.175	60	Φ2.91*25*3.175*60	DC321-2910	DC322-2910
2.92	25	3.175	60	Φ2.92*25*3.175*60	DC321-2920	DC322-2920
2.93	25	3.175	60	Φ2.93*25*3.175*60	DC321-2930	DC322-2930
2.94	25	3.175	60	Φ2.94*25*3.175*60	DC321-2940	DC322-2940
2.95	25	3.175	60	Φ2.95*25*3.175*60	DC321-2950	DC322-2950
2.96	25	3.175	60	Φ2.96*25*3.175*60	DC321-2960	DC322-2960
2.97	25	3.175	60	Φ2.97*25*3.175*60	DC321-2970	DC322-2970
2.98	25	3.175	60	Φ2.98*25*3.175*60	DC321-2980	DC322-2980
2.99	25	3.175	60	Φ2.99*25*3.175*60	DC321-2990	DC322-2990
3.00	25	3.175	60	Φ3*25*3.175*60	DC321-3000	DC322-3000



HRC45 硬质合金 2 刃标准铣刀 HRC45 Carbide 2-flute Standard End Mill

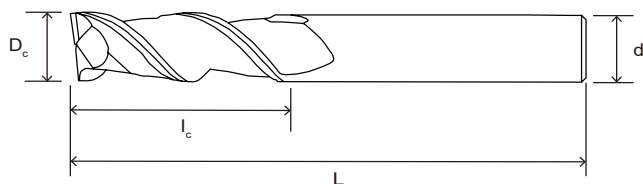
产品优点:
Product
Advantages:

1. 硬质合金材质，具有较高的经济性
2. 使用加工钢件和铸铁，槽铣，侧铣 "

1. Carbide material offers high cost-effectiveness.
2. Suitable for machining steel and cast iron; slot milling and side milling.

MC121

铝钛涂层
ALTiN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	●	●	○	●	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差					MC121	
直径	刃长	柄径	全长	刃数	物料代码	
Dc (-0.01)-mm	lc -mm	ds (H8)-mm	L-mm	F	DC271	
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	3	4.0	50	2	1*3*4*50*2F	MC121-010050
1.5	4	4.0	50	2	1.5*4*4*50*2F	MC121-015050
2.0	6	4.0	50	2	2*6*4*50*2F	MC121-020050
2.5	8	4.0	50	2	2.5*8*4*50*2F	MC121-025050
3.0	8	4.0	50	2	3*8*4*50*2F	MC121-030050
3.5	10	4.0	50	2	3.5*10*4*50*2F	MC121-035050
4.0	10	4.0	50	2	4*10*4*50*2F	MC121-040050
4.0	15	4.0	75	2	4*15*4*75*2F	MC121-040075
4.0	20	4.0	100	2	4*20*4*100*2F	MC121-040100
5.0	13	5.0	50	2	5*13*5*50*2F	MC121-050050
5.0	13	6.0	50	2	5*13*6*50*2F	MC121-050050
6.0	15	6.0	50	2	6*15*6*50*2F	MC121-060050
6.0	25	6.0	75	2	6*25*6*75*2F	MC121-060075
6.0	30	6.0	100	2	6*30*6*100*2F	MC121-060100
8.0	20	8.0	60	2	8*20*8*60*2F	MC121-080060
8.0	25	8.0	75	2	8*25*8*75*2F	MC121-080075
8.0	35	8.0	100	2	8*35*8*100*2F	MC121-080100
10.0	25	10.0	75	2	10*25*10*75*2F	MC121-100075
10.0	40	10.0	100	2	10*40*10*100*2F	MC121-100100
12.0	30	12.0	75	2	12*30*12*75*2F	MC121-120075
12.0	45	12.0	100	2	12*45*12*100*2F	MC121-120100
14.0	35	14.0	80	2	14*35*14*80*2F	MC121-140080
14.0	45	14.0	100	2	14*45*14*100*2F	MC121-140100
16.0	45	16.0	100	2	16*45*16*100*2F	MC121-160100
18.0	45	18.0	100	2	18*45*18*100*2F	MC121-180100

铣刀系列
MILLING SERIES

尺寸公差						MC121
直径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		DC271
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
20.0	45	20.0	100	2	20*45*20*100*2F	MC121-200100
6.0	35	6.0	150	2	6*35*6*150*2F	MC121-060150
8.0	50	8.0	150	2	8*50*8*150*2F	MC121-080150
10.0	55	10.0	150	2	10*55*10*150*2F	MC121-100150
12.0	60	12.0	150	2	12*60*12*150*2F	MC121-120150
14.0	60	14.0	150	2	14*60*14*150*2F	MC121-140150
16.0	70	16.0	150	2	16*70*16*150*2F	MC121-160150
18.0	70	18.0	150	2	18*70*18*150*2F	MC121-180150
20.0	70	20.0	150	2	20*70*20*150*2F	MC121-200150
7.0	20	8.0	60	2	7*20*8*60*2F	MC121-070060
9.0	20	10.0	75	2	9*20*10*75*2F	MC121-090075
11.0	25	12.0	75	2	11*25*12*75*2F	MC121-110075
13.0	40	14.0	100	2	13*40*14*100*2F	MC121-130100
15.0	45	16.0	100	2	15*45*16*100*2F	MC121-150100
4.0	20	4.0	150	2	4*20*4*150*2F	MC121-040150
6.0	35	6.0	200	2	6*35*6*200*2F	MC121-060200
8.0	50	8.0	200	2	8*50*8*200*2F	MC121-080200
10.0	55	10.0	200	2	10*55*10*200*2F	MC121-100200
12.0	60	12.0	200	2	12*60*12*200*2F	MC121-120200
14.0	60	14.0	200	2	14*60*14*200*2F	MC121-140200
16.0	70	16.0	200	2	16*70*16*200*2F	MC121-160200
20.0	70	20.0	200	2	20*70*20*200*2F	MC121-200200



HRC45 硬质合金 4 刃标准铣刀 HRC45 Carbide 4-flute Standard End Mill

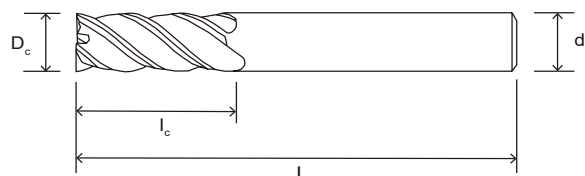
产品优点: Product Advantages:

1. 硬质合金材质，具有较高的经济性
2. 使用加工钢件和铸铁，槽铣，侧铣 "

1. Carbide material offers high cost-effectiveness.
2. Suitable for machining steel and cast iron; slot milling and side milling.

MC141

铝钛涂层
TiAlN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminum	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	●	●	○	●	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差					MC141	
直径	刃长	柄径	全长	刃数	物料代码	
Dc (-0.01)-mm	Lc -mm	ds (H8)-mm	L-mm	F	MC141	
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	3	4	50	4	1*3*4*50*4F	MC141-010050
1.5	4	4	50	4	1.5*4*4*50*4F	MC141-015050
2.0	6	4	50	4	2*6*4*50*4F	MC141-020050
2.5	8	4	50	4	2.5*8*4*50*4F	MC141-025050
3.0	8	4	50	4	3*8*4*50*4F	MC141-030050
3.5	10	4	50	4	3.5*10*4*50*4F	MC141-035050
4.0	10	4	50	4	4*10*4*50*4F	MC141-040050
4.0	15	4	75	4	4*15*4*75*4F	MC141-040075
4.0	20	4	100	4	4*20*4*100*4F	MC141-040100
5.0	13	5	50	4	5*13*5*50*4F	MC141-050050
5.0	13	6	50	4	5*13*6*50*4F	MC141-050050
6.0	15	6	50	4	6*15*6*50*4F	MC141-060050
6.0	25	6	75	4	6*25*6*75*4F	MC141-060075
6.0	30	6	100	4	6*30*6*100*4F	MC141-060100
8.0	20	8	60	4	8*20*8*60*4F	MC141-080060
8.0	25	8	75	4	8*25*8*75*4F	MC141-080075
8.0	35	8	100	4	8*35*8*100*4F	MC141-080100
10.0	25	10	75	4	10*25*10*75*4F	MC141-100075
10.0	40	10	100	4	10*40*10*100*4F	MC141-100100
12.0	30	12	75	4	12*30*12*75*4F	MC141-120075
12.0	45	12	100	4	12*45*12*100*4F	MC141-120100
14.0	35	14	80	4	14*35*14*80*4F	MC141-140080
14.0	45	14	100	4	14*45*14*100*4F	MC141-140100
16.0	45	16	100	4	16*45*16*100*4F	MC141-160100
18.0	45	18	100	4	18*45*18*100*4F	MC141-180100

铣刀系列
MILLING SERIES

尺寸公差						MC141
直径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC141
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
20.0	45	20	100	4	20*45*20*100*4F	MC141-200100
6.0	35	6	150	4	6*35*6*150*4F	MC141-060150
8.0	50	8	150	4	8*50*8*150*4F	MC141-080150
10.0	55	10	150	4	10*55*10*150*4F	MC141-100150
12.0	60	12	150	4	12*60*12*150*4F	MC141-120150
14.0	65	14	150	4	14*65*14*150*4F	MC141-140150
16.0	70	16	150	4	16*70*16*150*4F	MC141-160150
18.0	70	18	150	4	18*70*18*150*4F	MC141-180150
20.0	70	20	150	4	20*70*20*150*4F	MC141-200150
7.0	20	8	60	4	7*20*8*60*4F	MC141-070060
9.0	20	10	75	4	9*20*10*75*4F	MC141-090075
11.0	25	12	75	4	11*25*12*75*4F	MC141-110075
13.0	40	14	100	4	13*40*14*100*4F	MC141-130100
15.0	45	16	100	4	15*45*16*100*4F	MC141-150100
4.0	20	4	150	4	4*20*4*150*4F	MC141-040150
6.0	35	6	200	4	6*35*6*200*4F	MC141-060200
8.0	50	8	200	4	8*50*8*200*4F	MC141-080200
10.0	55	10	200	4	10*55*10*200*4F	MC141-100200
12.0	60	12	200	4	12*60*12*200*4F	MC141-120200
14.0	60	14	200	4	14*60*14*200*4F	MC141-140200
16.0	70	16	200	4	16*70*16*200*4F	MC141-160200
20.0	70	20	200	4	20*70*20*200*4F	MC141-200200



HRC55 硬质合金 2 刃标准铣刀 HRC55 Carbide 2-flute Standard End Mill

产品优点: Product Advantages:

1. 硬质合金材质，兼具耐用性和性价比
2. 使用加工钢件和铸铁（无涂层款适用于加工铝合金），槽铣，侧铣 "

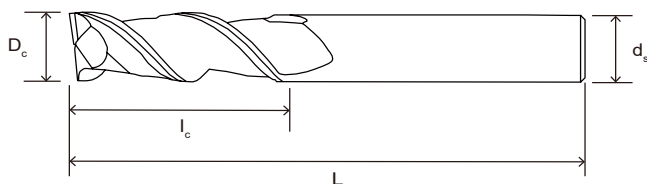
1. Carbide material combines durability and cost-performance.
2. Suitable for machining steel and cast iron (uncoated version suitable for aluminum alloy machining); slot milling and side milling.

MC222

古铜涂层
TISIN

MC220

无涂层
Uncoated



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminum	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	●	●	○	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差						MC222	MC220
直径	刃长	柄径	全长	刃数		物料代码	物料代码
Dc (-0.01)-mm	lc -mm	ds (H8)-mm	L-mm	F		MC222	MC220
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number	Art. Number
1.0	3	4	50	4	1.0*3*4*50*2F	MC222-010050	MC220-010050
1.5	4	4	50	4	1.5*4*4*50*2F	MC222-015050	MC220-015050
2.0	6	4	50	4	2.0*6*4*50*2F	MC222-020050	MC220-020050
2.5	8	4	50	4	2.5*8*4*50*2F	MC222-025050	MC220-025050
3.0	8	4	50	4	3.0*8*4*50*2F	MC222-030050	MC220-030050
3.5	10	4	50	4	3.5*10*4*50*2F	MC222-035050	MC220-035050
4.0	10	4	50	4	4*10*4*50*2F	MC222-040050	MC220-040050
4.0	15	4	75	4	4*15*4*75*2F	MC222-040075	MC220-040075
4.0	20	4	100	4	4*20*4*100*2F	MC222-040100	MC220-040100
5.0	13	5	50	4	5*13*5*50*2F	MC222-050050	MC220-050050
5.0	13	6	50	4	5*13*6*50*2F	MC222-050050	MC220-050050
6.0	15	6	50	4	6*15*6*50*2F	MC222-060050	MC220-060050
6.0	25	6	75	4	6*25*6*75*2F	MC222-060075	MC220-060075
6.0	30	6	100	4	6*30*6*100*2F	MC222-060100	MC220-060100
8.0	20	8	60	4	8*20*8*60*2F	MC222-080060	MC220-080060
8.0	25	8	75	4	8*25*8*75*2F	MC222-080075	MC220-080075
8.0	35	8	100	4	8*35*8*100*2F	MC222-080100	MC220-080100
10.0	25	10	75	4	10*25*10*75*2F	MC222-100075	MC220-100075
10.0	40	10	100	4	10*40*10*100*2F	MC222-100100	MC220-100100
12.0	30	12	75	4	12*30*12*75*2F	MC222-120075	MC220-120075
12.0	45	12	100	4	12*45*12*100*2F	MC222-120100	MC220-120100
14.0	35	14	80	4	14*35*14*80*2F	MC222-140080	MC220-140080
14.0	45	14	100	4	14*45*14*100*2F	MC222-140100	MC220-140100
16.0	45	16	100	4	16*45*16*100*2F	MC222-160100	MC220-160100
18.0	45	18	100	4	18*45*18*100*2F	MC222-180100	MC220-180100

铣刀系列
MILLING SERIES

尺寸公差						MC222	MC220
直径	刃长	柄径	全长	刃数		物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC222	MC220
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number	Art. Number
20.0	45	20	100	4	20*45*20*100*2F	MC222-200100	MC220-200100
6.0	35	6	150	4	6*35*6*150*2F	MC222-060150	MC220-060150
8.0	50	8	150	4	8*50*8*150*2F	MC222-080150	MC220-080150
10.0	55	10	150	4	10*55*10*150*2F	MC222-100150	MC220-100150
12.0	60	12	150	4	12*60*12*150*2F	MC222-120150	MC220-120150
14.0	65	14	150	4	14*65*14*150*2F	MC222-140150	MC220-140150
16.0	70	16	150	4	16*70*16*150*2F	MC222-160150	MC220-160150
18.0	70	18	150	4	18*70*18*150*2F	MC222-180150	MC220-180150
20.0	70	20	150	4	20*70*20*150*2F	MC222-200150	MC220-200150
7.0	20	8	60	4	7*20*8*60*2F	MC222-070060	MC220-070060
9.0	20	10	75	4	9*20*10*75*2F	MC222-090075	MC220-090075
11.0	25	12	75	4	11*25*12*75*2F	MC222-110075	MC220-110075
13.0	40	14	100	4	13*40*14*100*2F	MC222-130100	MC220-130100
15.0	45	16	100	4	15*45*16*100*2F	MC222-150100	MC220-150100
4.0	20	4	150	4	4*20*4*150*2F	MC222-040150	MC220-040150
6.0	35	6	200	4	6*35*6*200*2F	MC222-060200	MC220-060200
8.0	50	8	200	4	8*50*8*200*2F	MC222-080200	MC220-080200
10.0	55	10	200	4	10*55*10*200*2F	MC222-100200	MC220-100200
12.0	60	12	200	4	12*60*12*200*2F	MC222-120200	MC220-120200
14.0	60	14	200	4	14*60*14*200*2F	MC222-140200	MC220-140200
16.0	70	16	200	4	16*70*16*200*2F	MC222-160200	MC220-160200
20.0	70	20	200	4	20*70*20*200*2F	MC222-200200	MC220-200200



HRC55 硬质合金 4 刃标准铣刀 HRC55 Carbide 4-flute Standard End Mill

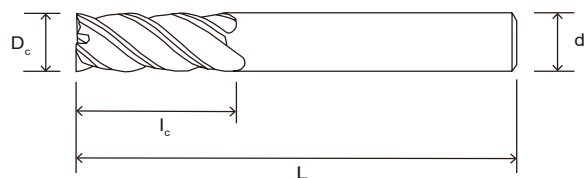
产品优点: Product Advantages:

1. 硬质合金材质，兼具耐用性和性价比
2. 使用加工钢件和铸铁，槽铣，侧铣 "

1. Carbide material combines durability and cost-performance.
2. Suitable for machining steel and cast iron (uncoated version suitable for aluminum alloy machining); slot milling and side milling.

MC242

古铜涂层
TISIN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	●	●	○	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差					MC242	
直径	刃长	柄径	全长	刃数	物料代码	
Dc (-0.01)-mm	Lc -mm	ds (H8)-mm	L-mm	F	MC242	
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	3	4	50	4	1.0*3*4*50*4F	MC242-010050
1.5	4	4	50	4	1.5*4*4*50*4F	MC242-015050
2.0	6	4	50	4	2.0*6*4*50*4F	MC242-020050
2.5	8	4	50	4	2.5*8*4*50*4F	MC242-025050
3.0	8	4	50	4	3.0*8*4*50*4F	MC242-030050
3.5	10	4	50	4	3.5*10*4*50*4F	MC242-035050
4.0	10	4	50	4	4*10*4*50*4F	MC242-040050
4.0	15	4	75	4	4*15*4*75*4F	MC242-040075
4.0	20	4	100	4	4*20*4*100*4F	MC242-040100
5.0	13	5	50	4	5*13*5*50*4F	MC242-050050
5.0	13	6	50	4	5*13*6*50*4F	MC242-050050
6.0	15	6	50	4	6*15*6*50*4F	MC242-060050
6.0	25	6	75	4	6*25*6*75*4F	MC242-060075
6.0	30	6	100	4	6*30*6*100*4F	MC242-060100
8.0	20	8	60	4	8*20*8*60*4F	MC242-080060
8.0	25	8	75	4	8*25*8*75*4F	MC242-080075
8.0	35	8	100	4	8*35*8*100*4F	MC242-080100
10.0	25	10	75	4	10*25*10*75*4F	MC242-100075
10.0	40	10	100	4	10*40*10*100*4F	MC242-100100
12.0	30	12	75	4	12*30*12*75*4F	MC242-120075
12.0	45	12	100	4	12*45*12*100*4F	MC242-120100
14.0	35	14	80	4	14*35*14*80*4F	MC242-140080
14.0	45	14	100	4	14*45*14*100*4F	MC242-140100
16.0	45	16	100	4	16*45*16*100*4F	MC242-160100
18.0	45	18	100	4	18*45*18*100*4F	MC242-180100

铣刀系列
MILLING SERIES

尺寸公差						MC242
直径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC242
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
20.0	45	20	100	4	20*45*20*100*4F	MC242-200100
6.0	35	6	150	4	6*35*6*150*4F	MC242-060150
8.0	50	8	150	4	8*50*8*150*4F	MC242-080150
10.0	55	10	150	4	10*55*10*150*4F	MC242-100150
12.0	60	12	150	4	12*60*12*150*4F	MC242-120150
14.0	65	14	150	4	14*65*14*150*4F	MC242-140150
16.0	70	16	150	4	16*70*16*150*4F	MC242-160150
18.0	70	18	150	4	18*70*18*150*4F	MC242-180150
20.0	70	20	150	4	20*70*20*150*4F	MC242-200150
7.0	20	8	60	4	7*20*8*60*4F	MC242-070060
9.0	20	10	75	4	9*20*10*75*4F	MC242-090075
11.0	25	12	75	4	11*25*12*75*4F	MC242-110075
13.0	40	14	100	4	13*40*14*100*4F	MC242-130100
15.0	45	16	100	4	15*45*16*100*4F	MC242-150100
4.0	20	4	150	4	4*20*4*150*4F	MC242-040150
6.0	35	6	200	4	6*35*6*200*4F	MC242-060200
8.0	50	8	200	4	8*50*8*200*4F	MC242-080200
10.0	55	10	200	4	10*55*10*200*4F	MC242-100200
12.0	60	12	200	4	12*60*12*200*4F	MC242-120200
14.0	60	14	200	4	14*60*14*200*4F	MC242-140200
16.0	70	16	200	4	16*70*16*200*4F	MC242-160200
20.0	70	20	200	4	20*70*20*200*4F	MC242-200200



HRC55 硬质合金 3 刃标准铝用铣刀 HRC55 Carbide 3-flute Standard End Mill

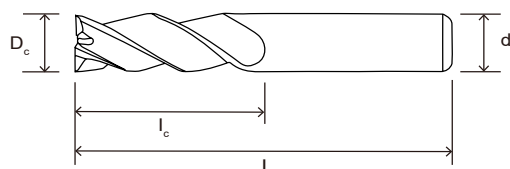
产品优点: Product Advantages:

1. 硬质合金材质，兼具耐用性和性价比
2. 适用于加工铝合金，槽铣，侧铣 "

1. Carbide material combines durability and cost-performance.
2. Suitable for machining steel and cast iron; slot milling and side milling.

MC230

无涂层
Uncoated



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	●	●	●	●	●	●	●	●	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差					MC230	
直径	刃长	柄径	全长	刃数	物料代码	
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F	MC230	
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	3	4	50	3	1.0*3*4*50*3F	MC230-010050
1.5	4	4	50	3	1.5*4*4*50*3F	MC230-015050
2.0	6	4	50	3	2.0*6*4*50*3F	MC230-020050
2.5	8	4	50	3	2.5*8*4*50*3F	MC230-025050
3.0	8	4	50	3	3.0*8*4*50*3F	MC230-030050
3.5	10	4	50	3	3.5*10*4*50*3F	MC230-035050
4.0	10	4	50	3	4*10*4*50*3F	MC230-040050
4.0	15	4	75	3	4*15*4*75*3F	MC230-040075
4.0	20	4	100	3	4*20*4*100*3F	MC230-040100
5.0	13	5	50	3	5*13*5*50*3F	MC230-050050
5.0	13	6	50	3	5*13*6*50*3F	MC230-050050
6.0	15	6	50	3	6*15*6*50*3F	MC230-060050
6.0	25	6	75	3	6*25*6*75*3F	MC230-060075
6.0	30	6	100	3	6*30*6*100*3F	MC230-060100
8.0	20	8	60	3	8*20*8*60*3F	MC230-080060
8.0	25	8	75	3	8*25*8*75*3F	MC230-080075
8.0	35	8	100	3	8*35*8*100*3F	MC230-080100
10.0	25	10	75	3	10*25*10*75*3F	MC230-100075
10.0	40	10	100	3	10*40*10*100*3F	MC230-100100
12.0	30	12	75	3	12*30*12*75*3F	MC230-120075
12.0	45	12	100	3	12*45*12*100*3F	MC230-120100
14.0	35	14	80	3	14*35*14*80*3F	MC230-140080
14.0	45	14	100	3	14*45*14*100*3F	MC230-140100
16.0	45	16	100	3	16*45*16*100*3F	MC230-160100
18.0	45	18	100	3	18*45*18*100*3F	MC230-180100

铣刀系列
MILLING SERIES

尺寸公差						MC230
直径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC230
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
20.0	45	20	100	3	20*45*20*100*3F	MC230-200100
6.0	35	6	150	3	6*35*6*150*3F	MC230-060150
8.0	50	8	150	3	8*50*8*150*3F	MC230-080150
10.0	55	10	150	3	10*55*10*150*3F	MC230-100150
12.0	60	12	150	3	12*60*12*150*3F	MC230-120150
14.0	65	14	150	3	14*65*14*150*3F	MC230-140150
16.0	70	16	150	3	16*70*16*150*3F	MC230-160150
18.0	70	18	150	3	18*70*18*150*3F	MC230-180150
20.0	70	20	150	3	20*70*20*150*3F	MC230-200150
7.0	20	8	60	3	7*20*8*60*3F	MC230-070060
9.0	20	10	75	3	9*20*10*75*3F	MC230-090075
11.0	25	12	75	3	11*25*12*75*3F	MC230-110075
13.0	40	14	100	3	13*40*14*100*3F	MC230-130100
15.0	45	16	100	3	15*45*16*100*3F	MC230-150100
4.0	20	4	150	3	4*20*4*150*3F	MC230-040150
6.0	35	6	200	3	6*35*6*200*3F	MC230-060200
8.0	50	8	200	3	8*50*8*200*3F	MC230-080200
10.0	55	10	200	3	10*55*10*200*3F	MC230-100200
12.0	60	12	200	3	12*60*12*200*3F	MC230-120200
14.0	60	14	200	3	14*60*14*200*3F	MC230-140200
16.0	70	16	200	3	16*70*16*200*3F	MC230-160200
20.0	70	20	200	3	20*70*20*200*3F	MC230-200200



HRC55 硬质合金 2 刃标准球头铣刀 HRC55 Carbide 2-flute Standard End Mill Ball nose

产品优点: Product Advantages:

1. 硬质合金材质，兼具耐用性和性价比
2. 使用加工钢件和铸铁（无涂层款适用于加工铝合金）
3. 球头立铣刀具有很小的公差，进行仿形加工时，也能确保很高的精度

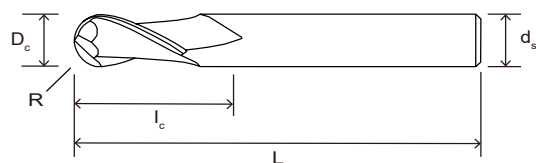
1. Carbide material combines durability and cost-performance.
2. Suitable for machining steel and cast iron (uncoated version suitable for aluminum alloy machining).
3. Ball nose end mills have very tight tolerances, ensuring high precision even in contouring applications.

MC252

古铜涂层
TISIN

MC250

无涂层
Uncoated



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminum	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	●	●	○	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差						MC252	MC250
直径	刃长	柄径	全长	刃数		物料代码	物料代码
Dc (-0.01)-mm	Lc -mm	ds (H8)-mm	L-mm	F		MC252	MC250
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number	Art. Number
1.0	2	4	50	2	R0.5*2*4*50*2F	MC252-010050	MC250-010050
1.5	3	4	50	2	R0.75*3*4*50*2F	MC252-015050	MC250-015050
2.0	4	4	50	2	R1*4*4*50*2F	MC252-020050	MC250-020050
2.5	5	4	50	2	R1.25*5*4*50*2F	MC252-025050	MC250-025050
3.0	6	3	50	2	R1.5*6*3*50*2F	MC252-030050	MC250-030050
3.0	6	4	50	2	R1.5*6*4*50*2F	MC252-030050	MC250-030050
3.5	7	4	50	2	R1.75*7*4*50*2F	MC252-035050	MC250-035050
4.0	8	4	50	2	R2*8*4*50*2F	MC252-040050	MC250-040050
4.0	8	4	75	2	R2*8*4*75*2F	MC252-040075	MC250-040075
4.0	8	4	100	2	R2*8*4*100*2F	MC252-040100	MC250-040100
5.0	10	5	50	2	R2.5*10*5*50*2F	MC252-050050	MC250-050050
5.0	10	6	50	2	R2.5*10*6*50*2F	MC252-050050	MC250-050050
6.0	12	6	50	2	R3*12*6*50*2F	MC252-060050	MC250-060050
6.0	12	6	75	2	R3*12*6*75*2F	MC252-060075	MC250-060075
6.0	12	6	100	2	R3*12*6*100*2F	MC252-060100	MC250-060100
8.0	16	8	60	2	R4*16*8*60*2F	MC252-080060	MC250-080060
8.0	16	8	75	2	R4*16*8*75*2F	MC252-080075	MC250-080075
8.0	16	8	100	2	R4*16*8*100*2F	MC252-080100	MC250-080100
10.0	20	10	75	2	R5*20*10*75*2F	MC252-100075	MC250-100075
10.0	20	10	100	2	R5*20*10*100*2F	MC252-100100	MC250-100100
12.0	24	12	75	2	R6*24*12*75*2F	MC252-120075	MC250-120075
12.0	24	12	100	2	R6*24*12*100*2F	MC252-120100	MC250-120100
14.0	28	14	80	2	R7*28*14*80*2F	MC252-140080	MC250-140080
14.0	28	14	100	2	R7*28*14*100*2F	MC252-140100	MC250-140100
16.0	32	16	100	2	R8*32*16*100*2F	MC252-160100	MC250-160100

铣刀系列
MILLING SERIES

尺寸公差						MC252	MC250
直径	刃长	柄径	全长	刃数		物料代码	物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC252	MC250
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number	Art. Number
18.0	36	18	100	2	R9*36*18*100*2F	MC252-180100	MC250-180100
20.0	40	20	100	2	R10*40*20*100*2F	MC252-200100	MC250-200100
6.0	12	6	150	2	R3*12*6*150*2F	MC252-060150	MC250-060150
8.0	16	8	150	2	R4*16*8*150*2F	MC252-080150	MC250-080150
10.0	20	10	150	2	R5*20*10*150*2F	MC252-100150	MC250-100150
12.0	24	12	150	2	R6*24*12*150*2F	MC252-120150	MC250-120150
14.0	28	14	150	2	R7*28*14*150*2F	MC252-140150	MC250-140150
16.0	32	16	150	2	R8*32*16*150*2F	MC252-160150	MC250-160150
18.0	36	18	150	2	R9*36*18*150*2F	MC252-180150	MC250-180150
20.0	40	20	150	2	R10*40*20*150*2F	MC252-200150	MC250-200150
6.0	12	6	200	2	R3*12*6*200*2F	MC252-060200	MC250-060200
8.0	16	8	200	2	R4*16*8*200*2F	MC252-080200	MC250-080200
10.0	20	10	200	2	R5*20*10*200*2F	MC252-100200	MC250-100200
12.0	24	12	200	2	R6*24*12*200*2F	MC252-120200	MC250-120200
14.0	28	14	200	2	R7*28*14*200*2F	MC252-140200	MC250-140200
16.0	32	16	200	2	R8*32*16*200*2F	MC252-160200	MC250-160200
20.0	40	20	200	2	R10*40*20*200*2F	MC252-200200	MC250-200200



HRC55 硬质合金 4 刃标准球头铣刀 HRC55 Carbide 4-flute Standard End Mill Ball Nose

产品优点: Product Advantages:

1. 硬质合金材质，兼具耐用性和性价比
2. 使用加工钢件和铸铁
3. 球头立铣刀具有很小的公差，进行仿形加工时，也能确保很高的精度 "

1. Carbide material combines durability and cost-performance.
2. Suitable for machining steel and cast iron.
3. Ball nose end mills have very tight tolerances, ensuring high precision even in contouring applications.

MC262

古铜涂层
TISIN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	○	●	○	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差					MC262	
直径	刃长	柄径	全长	刃数	物料代码	
Dc (-0.01)-mm	lc -mm	ds (H8)-mm	L-mm	F	MC262	
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	2	4	50	4	R0.5*2*4*50*4F	MC262-010050
1.5	3	4	50	4	R0.75*3*4*50*4F	MC262-015050
2.0	4	4	50	4	R1*4*4*50*4F	MC262-020050
2.5	5	4	50	4	R1.25*5*4*50*4F	MC262-025050
3.0	6	3	50	4	R1.5*6*3*50*4F	MC262-030050
3.0	6	4	50	4	R1.5*6*4*50*4F	MC262-030050
3.5	7	4	50	4	R1.75*7*4*50*4F	MC262-035050
4.0	8	4	50	4	R2*8*4*50*4F	MC262-040050
4.0	8	4	75	4	R2*8*4*75*4F	MC262-040075
4.0	8	4	100	4	R2*8*4*100*4F	MC262-040100
5.0	10	5	50	4	R2.5*10*5*50*4F	MC262-050050
5.0	10	6	50	4	R2.5*10*6*50*4F	MC262-050050
6.0	12	6	50	4	R3*12*6*50*4F	MC262-060050
6.0	12	6	75	4	R3*12*6*75*4F	MC262-060075
6.0	12	6	100	4	R3*12*6*100*4F	MC262-060100
8.0	16	8	60	4	R4*16*8*60*4F	MC262-080060
8.0	16	8	75	4	R4*16*8*75*4F	MC262-080075
8.0	16	8	100	4	R4*16*8*100*4F	MC262-080100
10.0	20	10	75	4	R5*20*10*75*4F	MC262-100075
10.0	20	10	100	4	R5*20*10*100*4F	MC262-100100
12.0	24	12	75	4	R6*24*12*75*4F	MC262-120075
12.0	24	12	100	4	R6*24*12*100*4F	MC262-120100
14.0	28	14	80	4	R7*28*14*80*4F	MC262-140080
14.0	28	14	100	4	R7*28*14*100*4F	MC262-140100
16.0	32	16	100	4	R8*32*16*100*4F	MC262-160100

铣刀系列
MILLING SERIES

尺寸公差						MC262
直径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC262
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
18.0	36	18	100	4	R9*36*18*100*4F	MC262-180100
20.0	40	20	100	4	R10*40*20*100*4F	MC262-200100
6.0	12	6	150	4	R3*12*6*150*4F	MC262-060150
8.0	16	8	150	4	R4*16*8*150*4F	MC262-080150
10.0	20	10	150	4	R5*20*10*150*4F	MC262-100150
12.0	24	12	150	4	R6*24*12*150*4F	MC262-120150
14.0	28	14	150	4	R7*28*14*150*4F	MC262-140150
16.0	32	16	150	4	R8*32*16*150*4F	MC262-160150
18.0	36	18	150	4	R9*36*18*150*4F	MC262-180150
20.0	40	20	150	4	R10*40*20*150*4F	MC262-200150



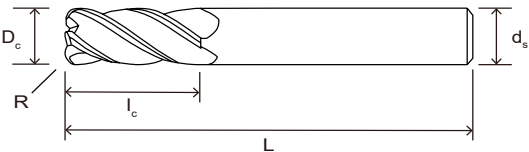
HRC55 硬质合金 4 刃标准圆角铣刀
HRC55 Carbide 4-flute Standard End Mill Ball Nose

产品优点:
Product
Advantages:

- 1. 硬质合金材质，兼具耐用性和性价比
- 2. 使用加工钢件和铸铁
- 3. 最适合磨具和机械零部件的内圆偶角和仿形加工 "

- 1. Carbide material combines durability and cost-performance.
- 2. Suitable for machining steel and cast iron.
- 3. Ideal for internal radius corner and contour machining of molds and mechanical components.

MC272 古铜涂层
TISIN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminum	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	○	●	○	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差						MC272	
直径	圆弧半径	刃长	柄径	全长	刃数	物料代码	
D _c (-0.01)-mm	R -mm	l _c -mm	d _s (H8)-mm	L-mm	F	MC272	
Cutting Diameter	Corner Radius	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	0.2	3	4	50	4	Φ1R0.2*3*4*50*4F	MC272-010R02050
1.5	0.2	4	4	50	4	Φ1.5R0.2*4*4*50*4F	MC272-015R02050
2.0	0.2	6	4	50	4	Φ2R0.2*6*4*50*4F	MC272-020R02050
3.0	0.2	8	4	50	4	Φ3R0.2*8*4*50*4F	MC272-030R02050
4.0	0.2	11	4	50	4	Φ4R0.2*11*4*50*4F	MC272-040R02050
4.0	0.2	15	4	75	4	Φ4R0.2*15*4*75*4F	MC272-040R02075
6.0	0.2	15	6	50	4	Φ6R0.2*15*6*50*4F	MC272-060R02050
2.5	0.2	7	4	50	4	Φ2.5R0.2*7*4*50*4F	MC272-025R02050
3.0	0.2	8	3	50	4	Φ3R0.2*8*3*50*4F	MC272-030R02050
4.0	0.2	20	4	100	4	Φ4R0.2*20*4*100*4F	MC272-040R02100
6.0	0.2	20	6	75	4	Φ6R0.2*20*6*75*4F	MC272-060R02075
6.0	0.2	30	6	100	4	Φ6R0.2*30*6*100*4F	MC272-060R02100
8.0	0.2	20	8	60	4	Φ8R0.2*20*8*60*4F	MC272-080R02060
8.0	0.2	30	8	100	4	Φ8R0.2*30*8*100*4F	MC272-080R02100
8.0	0.2	25	8	75	4	Φ8R0.2*25*8*75*4F	MC272-080R02075
10.0	0.2	25	10	75	4	Φ10R0.2*25*10*75*4F	MC272-100R02075
10.0	0.2	40	10	100	4	Φ10R0.2*40*10*100*4F	MC272-100R02100
12.0	0.2	30	12	75	4	Φ12R0.2*30*12*75*4F	MC272-120R02075
1.5	0.3	4	4	50	4	Φ1.5R0.3*4*4*50*4F	MC272-015R03050
2.0	0.3	6	4	50	4	Φ2R0.3*6*4*50*4F	MC272-020R03050
2.5	0.3	7	4	50	4	Φ2.5R0.3*7*4*50*4F	MC272-025R03050
3.0	0.3	8	3	50	4	Φ3R0.3*8*3*50*4F	MC272-030R03050
3.0	0.3	8	4	50	4	Φ3R0.3*8*4*50*4F	MC272-030R03050
4.0	0.3	8	4	50	4	Φ4R0.3*8*4*50*4F	MC272-040R03050
6.0	0.3	15	6	50	4	Φ6R0.3*15*6*50*4F	MC272-060R03050

铣刀系列
MILLING SERIES

尺寸公差							MC272
直径	圆弧半径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	R -mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC272
Cutting Diameter	Corner Radius	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
8.0	0.3	20	8	60	4	Φ8R0.3*20*8*60*4F	MC272-080R03060
10.0	0.3	25	10	75	4	Φ10R0.3*25*10*75*4F	MC272-100R03075
12.0	0.3	30	12	75	4	Φ12R0.3*30*12*75*4F	MC272-120R03075
2.0	0.5	6	4	50	4	Φ2R0.5*6*4*50*4F	MC272-020R05050
2.5	0.5	7	4	50	4	Φ2.5R0.5*7*4*50*4F	MC272-025R05050
3.0	0.5	8	3	50	4	Φ3R0.5*8*3*50*4F	MC272-030R05050
3.0	0.5	8	4	50	4	Φ3R0.5*8*4*50*4F	MC272-030R05050
3.0	0.5	11	3	75	4	Φ3R0.5*11*3*75*4F	MC272-030R05075
3.0	0.5	13	3	100	4	Φ3R0.5*13*3*100*4F	MC272-030R05100
4.0	0.5	11	4	50	4	Φ4R0.5*11*4*50*4F	MC272-040R05050
4.0	0.5	15	4	75	4	Φ4R0.5*15*4*75*4F	MC272-040R05075
4.0	0.5	20	4	100	4	Φ4R0.5*20*4*100*4F	MC272-040R05100
5.0	0.5	13	5	50	4	Φ5R0.5*13*5*50*4F	MC272-050R05050
5.0	0.5	13	6	50	4	Φ5R0.5*13*6*50*4F	MC272-050R05050
5.0	0.5	20	5	75	4	Φ5R0.5*20*5*75*4F	MC272-050R05075
5.0	0.5	25	5	100	4	Φ5R0.5*25*5*100*4F	MC272-050R05100
6.0	0.5	15	6	50	4	Φ6R0.5*15*6*50*4F	MC272-060R05050
6.0	0.5	25	6	75	4	Φ6R0.5*25*6*75*4F	MC272-060R05075
6.0	0.5	30	6	100	4	Φ6R0.5*30*6*100*4F	MC272-060R05100
8.0	0.5	20	8	60	4	Φ8R0.5*20*8*60*4F	MC272-080R05060
8.0	0.5	25	8	75	4	Φ8R0.5*25*8*75*4F	MC272-080R05075
8.0	0.5	35	8	100	4	Φ8R0.5*35*8*100*4F	MC272-080R05100
10.0	0.5	25	10	75	4	Φ10R0.5*25*10*75*4F	MC272-100R05075
10.0	0.5	40	10	100	4	Φ10R0.5*40*10*100*4F	MC272-100R05100
12.0	0.5	30	12	75	4	Φ12R0.5*30*12*75*4F	MC272-120R05075
12.0	0.5	45	12	100	4	Φ12R0.5*45*12*100*4F	MC272-120R05100
6.0	0.5	35	6	150	4	Φ6R0.5*35*6*150*4F	MC272-060R05150
8.0	0.5	50	8	150	4	Φ8R0.5*50*8*150*4F	MC272-080R05150
10.0	0.5	55	10	150	4	Φ10R0.5*55*10*150*4F	MC272-100R05150
12.0	0.5	60	12	150	4	Φ12R0.5*60*12*150*4F	MC272-120R05150
3.0	1.0	8	3	50	4	Φ3R1*8*3*50*4F	MC272-030R10050
3.0	1.0	8	4	50	4	Φ3R1*8*4*50*4F	MC272-030R10050
3.0	1.0	11	3	75	4	Φ3R1*11*3*75*4F	MC272-030R10075
3.0	1.0	13	3	100	4	Φ3R1*13*3*100*4F	MC272-030R10100
4.0	1.0	11	4	50	4	Φ4R1*11*4*50*4F	MC272-040R10050
4.0	1.0	15	4	75	4	Φ4R1*15*4*75*4F	MC272-040R10075
4.0	1.0	20	4	100	4	Φ4R1*20*4*100*4F	MC272-040R10100
5.0	1.0	13	5	50	4	Φ5R1*13*5*50*4F	MC272-050R10050
5.0	1.0	13	6	50	4	Φ5R1*13*6*50*4F	MC272-050R10050
5.0	1.0	20	5	75	4	Φ5R1*20*5*75*4F	MC272-050R10075
5.0	1.0	25	5	100	4	Φ5R1*25*5*100*4F	MC272-050R10100
6.0	1.0	15	6	50	4	Φ6R1*15*6*50*4F	MC272-060R10050
6.0	1.0	25	6	75	4	Φ6R1*25*6*75*4F	MC272-060R10075
6.0	1.0	30	6	100	4	Φ6R1*30*6*100*4F	MC272-060R10100
8.0	1.0	20	8	60	4	Φ8R1*20*8*60*4F	MC272-080R10060
8.0	1.0	25	8	75	4	Φ8R1*25*8*75*4F	MC272-080R10075
8.0	1.0	35	8	100	4	Φ8R1*35*8*100*4F	MC272-080R10100
10.0	1.0	25	10	75	4	Φ10R1*25*10*75*4F	MC272-100R10075
10.0	1.0	40	10	100	4	Φ10R1*40*10*100*4F	MC272-100R10100
12.0	1.0	30	12	75	4	Φ12R1*30*12*75*4F	MC272-120R10075
12.0	1.0	45	12	100	4	Φ12R1*45*12*100*4F	MC272-120R10100
6.0	1.0	35	6	150	4	Φ6R1*35*6*150*4F	MC272-060R10150
8.0	1.0	50	8	150	4	Φ8R1*50*8*150*4F	MC272-080R10150
10.0	1.0	55	10	150	4	Φ10R1*55*10*15*4F	MC272-100R10150
12.0	1.0	60	12	150	4	Φ12R1*60*12*150*4F	MC272-120R10150
14.0	1.0	45	14	100	4	Φ14R1*45*14*100*4F	MC272-140R10100
16.0	1.0	45	16	100	4	Φ16R1*45*16*100*4F	MC272-160R10100
5.0	1.5	15	5	50	4	Φ5R1.5*15*5*50*4F	MC272-050R15050
6.0	1.5	15	6	50	4	Φ6R1.5*15*6*50*4F	MC272-060R15050
6.0	1.5	25	6	75	4	Φ6R1.5*25*6*75*4F	MC272-060R15075
8.0	1.5	20	8	60	4	Φ8R1.5*20*8*60*4F	MC272-080R15060
8.0	1.5	25	8	75	4	Φ8R1.5*25*8*75*4F	MC272-080R15075
8.0	1.5	50	8	150	4	Φ8R1.5*50*8*150*4F	MC272-080R15150
10.0	1.5	25	10	75	4	Φ10R1.5*25*10*75*4F	MC272-100R15075
12.0	1.5	30	12	75	4	Φ12R1.5*30*12*75*4F	MC272-120R15075
6.0	2.0	15	6	50	4	Φ6R2*15*6*50*4F	MC272-060R20050
6.0	2.0	20	6	75	4	Φ6R2*20*6*75*4F	MC272-060R20075
6.0	2.5	15	6	50	4	Φ6R2.5*15*6*50*4F	MC272-060R25050
6.0	2.0	30	6	100	4	Φ6R2*30*6*100*4F	MC272-060R20100
8.0	2.0	30	8	150	4	Φ8R2*30*8*150*4F	MC272-080R20150

尺寸公差							MC272
直径	圆弧半径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	R -mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC272
Cutting Diameter	Corner Radius	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
8.0	2.0	20	8	60	4	Φ8R2*20*8*60*4F	MC272-080R20060
8.0	2.0	25	8	75	4	Φ8R2*25*8*75*4F	MC272-080R20075
8.0	2.0	35	8	100	4	Φ8R2*35*8*100*4F	MC272-080R20100
10.0	2.0	25	10	75	4	Φ10R2*25*10*75*4F	MC272-100R20075
10.0	2.0	55	10	150	4	Φ10R2*55*10*150*4F	MC272-100R20150
10.0	2.0	40	10	100	4	Φ10R2*40*10*100*4F	MC272-100R20100
10.0	2.5	25	12	75	4	Φ10R2.5*25*12*75*4F	MC272-120R25075
12.0	2.0	30	12	75	4	Φ12R2*30*12*75*4F	MC272-120R20075
12.0	2.0	45	12	100	4	Φ12R2*45*12*100*4F	MC272-120R20100
12.0	2.0	60	12	100	4	Φ12R2*60*12*100*4F	MC272-120R20100
12.0	2.5	30	12	150	4	Φ12R2.5*30*12*150*4F	MC272-120R25150
16.0	2.5	45	16	100	4	Φ16R2.5*45*16*100*4F	MC272-160R25100
16.0	2.0	45	16	150	4	Φ16R2*45*16*150*4F	MC272-160R20150
16.0	2.0	70	16	150	4	Φ16R2*70*16*150*4F	MC272-160R20150

Carbide

Factory
Standard

HRC
65

e8

Shank

Helix
35°

HRC65 硬质合金 4 刃标准铣刀 HRC65 Carbide 4-flute Standard End Mill

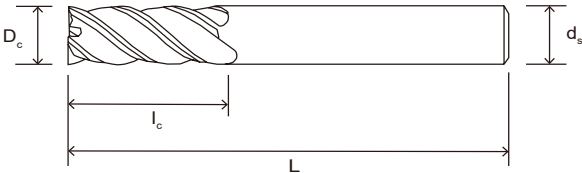
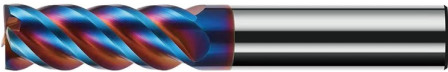
产品优点:
Product
Advantages:

1. 优质硬质合金材质，耐用性较高
2. 使用加工范围广，槽铣，侧铣

1. High-quality carbide material offers good durability.
2. Wide application range: slot milling and side milling.

MC343

蓝纳米涂层
Nano Blue



推荐加工材质

P			M	K	N			S	H			
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel		
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70	
												○ Can be used ● Suitable ● Not Recommended

尺寸公差					MC343	
直径	刃长	柄径	全长	刃数	物料代码	
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F	MC343	
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	3	4	50	4	1.0*3*4*50*4F	MC343-010050
1.5	4	4	50	4	1.5*4*4*50*4F	MC343-015050
2.0	6	4	50	4	2.0*6*4*50*4F	MC343-020050
2.5	8	4	50	4	2.5*8*4*50*4F	MC343-025050
3.0	8	4	50	4	3.0*8*4*50*4F	MC343-030050
3.5	10	4	50	4	3.5*10*4*50*4F	MC343-035050
4.0	10	4	50	4	4*10*4*50*4F	MC343-040050
4.0	15	4	75	4	4*15*4*75*4F	MC343-040075
4.0	20	4	100	4	4*20*4*100*4F	MC343-040100
5.0	13	5	50	4	5*13*5*50*4F	MC343-050050
5.0	13	6	50	4	5*13*6*50*4F	MC343-050050
6.0	15	6	50	4	6*15*6*50*4F	MC343-060050
6.0	25	6	75	4	6*25*6*75*4F	MC343-060075
6.0	30	6	100	4	6*30*6*100*4F	MC343-060100
8.0	20	8	60	4	8*20*8*60*4F	MC343-080060
8.0	25	8	75	4	8*25*8*75*4F	MC343-080075
8.0	35	8	100	4	8*35*8*100*4F	MC343-080100
10.0	25	10	75	4	10*25*10*75*4F	MC343-100075
10.0	40	10	100	4	10*40*10*100*4F	MC343-100100
12.0	30	12	75	4	12*30*12*75*4F	MC343-120075
12.0	45	12	100	4	12*45*12*100*4F	MC343-120100
14.0	35	14	80	4	14*35*14*80*4F	MC343-140080
14.0	45	14	100	4	14*45*14*100*4F	MC343-140100
16.0	45	16	100	4	16*45*16*100*4F	MC343-160100
18.0	45	18	100	4	18*45*18*100*4F	MC343-180100

尺寸公差						MC343
直径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC343
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
20.0	45	20	100	4	20*45*20*100*4F	MC343-200100
6.0	35	6	150	4	6*35*6*150*4F	MC343-060150
8.0	50	8	150	4	8*50*8*150*4F	MC343-080150
10.0	55	10	150	4	10*55*10*150*4F	MC343-100150
12.0	60	12	150	4	12*60*12*150*4F	MC343-120150
14.0	65	14	150	4	14*65*14*150*4F	MC343-140150
16.0	70	16	150	4	16*70*16*150*4F	MC343-160150
18.0	70	18	150	4	18*70*18*150*4F	MC343-180150
20.0	70	20	150	4	20*70*20*150*4F	MC343-200150
7.0	20	8	60	4	7*20*8*60*4F	MC343-070060
9.0	20	10	75	4	9*20*10*75*4F	MC343-090075
11.0	25	12	75	4	11*25*12*75*4F	MC343-110075
13.0	40	14	100	4	13*40*14*100*4F	MC343-130100
15.0	45	16	100	4	15*45*16*100*4F	MC343-150100
4.0	20	4	150	4	4*20*4*150*4F	MC343-040150
6.0	35	6	200	4	6*35*6*200*4F	MC343-060200
8.0	50	8	200	4	8*50*8*200*4F	MC343-080200
10.0	55	10	200	4	10*55*10*200*4F	MC343-100200
12.0	60	12	200	4	12*60*12*200*4F	MC343-120200
14.0	60	14	200	4	14*60*14*200*4F	MC343-140200
16.0	70	16	200	4	16*70*16*200*4F	MC343-160200
20.0	70	20	200	4	20*70*20*200*4F	MC343-200200

Carbide

Factory Standard

HRC 65

e8

Shank

Helix 30°

HRC65 硬质合金 2 刃标准球头铣刀 HRC65 Carbide 2-flute Standard End Mill Ball nose

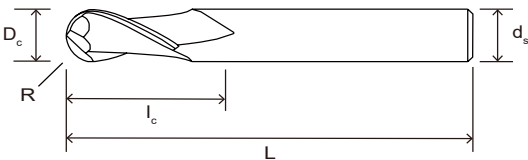
产品优点:
 Product Advantages:

1. 优质硬质合金材质，耐用性较高
 2. 使用加工范围广，槽铣，侧铣
 3. 球头立铣刀具有很小的公差，进行仿形加工时，也能确保很高的精度 "

1. High-quality carbide material offers good durability.
 2. Wide application range: slot milling and side milling.
 3. Ball nose end mills have very tight tolerances, ensuring high precision even in contouring applications.

MC323

蓝纳米涂层
 Nano Blue



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70

○ Can be used
 ● Suitable
 ● Not Recommended

尺寸公差					MC323	
直径	刃长	柄径	全长	刃数	物料代码	
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F	MC323	
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	2	4	50	2	R0.5*2*4*50*2F	MC323-010050
1.5	3	4	50	2	R0.75*3*4*50*2F	MC323-015050
2.0	4	4	50	2	R1*4*4*50*2F	MC323-020050
2.5	5	4	50	2	R1.25*5*4*50*2F	MC323-025050
3.0	6	3	50	2	R1.5*6*3*50*2F	MC323-030050
3.0	6	4	50	2	R1.5*6*4*50*2F	MC323-030050
3.5	7	4	50	2	R1.75*7*4*50*2F	MC323-035050
4.0	8	4	50	2	R2*8*4*50*2F	MC323-040050
4.0	8	4	75	2	R2*8*4*75*2F	MC323-040075
4.0	8	4	100	2	R2*8*4*100*2F	MC323-040100
5.0	10	5	50	2	R2.5*10*5*50*2F	MC323-050050
5.0	10	6	50	2	R2.5*10*6*50*2F	MC323-050050
6.0	12	6	50	2	R3*12*6*50*2F	MC323-060050
6.0	12	6	75	2	R3*12*6*75*2F	MC323-060075
6.0	12	6	100	2	R3*12*6*100*2F	MC323-060100
8.0	16	8	60	2	R4*16*8*60*2F	MC323-080060
8.0	16	8	75	2	R4*16*8*75*2F	MC323-080075
8.0	16	8	100	2	R4*16*8*100*2F	MC323-080100
10.0	20	10	75	2	R5*20*10*75*2F	MC323-100075
10.0	20	10	100	2	R5*20*10*100*2F	MC323-100100
12.0	24	12	75	2	R6*24*12*75*2F	MC323-120075
12.0	24	12	100	2	R6*24*12*100*2F	MC323-120100
14.0	28	14	80	2	R7*28*14*80*2F	MC323-140080
14.0	28	14	100	2	R7*28*14*100*2F	MC323-140100
16.0	32	16	100	2	R8*32*16*100*2F	MC323-160100

尺寸公差						MC323
直径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC323
Cutting Diameter	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
18.0	36	18	100	2	R9*36*18*100*2F	MC323-180100
20.0	40	20	100	2	R10*40*20*100*2F	MC323-200100
6.0	12	6	150	2	R3*12*6*150*2F	MC323-060150
8.0	16	8	150	2	R4*16*8*150*2F	MC323-080150
10.0	20	10	150	2	R5*20*10*150*2F	MC323-100150
12.0	24	12	150	2	R6*24*12*150*2F	MC323-120150
14.0	28	14	150	2	R7*28*14*150*2F	MC323-140150
16.0	32	16	150	2	R8*32*16*150*2F	MC323-160150
18.0	36	18	150	2	R9*36*18*150*2F	MC323-180150
20.0	40	20	150	2	R10*40*20*150*2F	MC323-200150
7.0	14	8	60	2	R7*14*8*60*2F	MC323-070060
9.0	18	10	75	2	R9*18*10*75*2F	MC323-090075
11.0	22	12	75	2	R11*22*12*75*2F	MC323-110075
13.0	26	14	100	2	R13*26*14*100*2F	MC323-130100
15.0	30	16	100	2	R15*30*16*100*2F	MC323-150100

Carbide

Factory
Standard

HRC
65

e8

Shank

Helix
35°

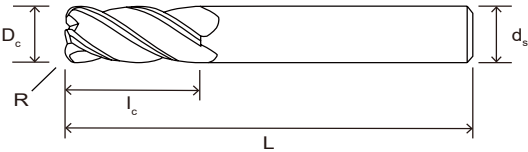
HRC65 硬质合金 4 刃标准圆角铣刀 HRC65 Carbide 4-flute Standard End Mill Ball Nose

- 产品优点：
Product
Advantages:
1. 优质硬质合金材质，耐用性较高
 2. 使用加工范围广，槽铣，侧铣
 3. 最适合磨具和机械零部件的内圆偶角和仿形加工 "

1. High-quality carbide material offers good durability.
 2. Wide application range: slot milling and side milling.
 3. Ideal for internal radius corner and contour machining of molds and mechanical components.

MC373

蓝纳米涂层
Nano Blue



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	○	●	○	○	○

○ Can be used
 ● Suitable
 ● Not Recommended

尺寸公差						MC373	
直径	圆弧半径	刃长	柄径	全长	刃数	物料代码	
D _c (-0.01)-mm	R -mm	l _c -mm	d _s (H8)-mm	L-mm	F	MC373	
Cutting Diameter	Corner Radius	Cutting Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	0.2	3	4	50	4	Φ1R0.2*3*4*50*4F	MC373-010R02050
1.5	0.2	4	4	50	4	Φ1.5R0.2*4*4*50*4F	MC373-015R02050
2.0	0.2	6	4	50	4	Φ2R0.2*6*4*50*4F	MC373-020R02050
3.0	0.2	8	4	50	4	Φ3R0.2*8*4*50*4F	MC373-030R02050
4.0	0.2	11	4	50	4	Φ4R0.2*11*4*50*4F	MC373-040R02050
4.0	0.2	15	4	75	4	Φ4R0.2*15*4*75*4F	MC373-040R02075
6.0	0.2	15	6	50	4	Φ6R0.2*15*6*50*4F	MC373-060R02050
2.5	0.2	7	4	50	4	Φ2.5R0.2*7*4*50*4F	MC373-025R02050
3.0	0.2	8	3	50	4	Φ3R0.2*8*3*50*4F	MC373-030R02050
4.0	0.2	20	4	100	4	Φ4R0.2*20*4*100*4F	MC373-040R02100
6.0	0.2	20	6	75	4	Φ6R0.2*20*6*75*4F	MC373-060R02075
6.0	0.2	30	6	100	4	Φ6R0.2*30*6*100*4F	MC373-060R02100
8.0	0.2	20	8	60	4	Φ8R0.2*20*8*60*4F	MC373-080R02060
8.0	0.2	30	8	100	4	Φ8R0.2*30*8*100*4F	MC373-080R02100
8.0	0.2	25	8	75	4	Φ8R0.2*25*8*75*4F	MC373-080R02075
10.0	0.2	25	10	75	4	Φ10R0.2*25*10*75*4F	MC373-100R02075
10.0	0.2	40	10	100	4	Φ10R0.2*40*10*100*4F	MC373-100R02100
12.0	0.2	30	12	75	4	Φ12R0.2*30*12*75*4F	MC373-120R02075
1.5	0.3	4	4	50	4	Φ1.5R0.3*4*4*50*4F	MC373-015R03050
2.0	0.3	6	4	50	4	Φ2R0.3*6*4*50*4F	MC373-020R03050
2.5	0.3	7	4	50	4	Φ2.5R0.3*7*4*50*4F	MC373-025R03050
3.0	0.3	8	3	50	4	Φ3R0.3*8*3*50*4F	MC373-030R03050
3.0	0.3	8	4	50	4	Φ3R0.3*8*4*50*4F	MC373-030R03050
4.0	0.3	8	4	50	4	Φ4R0.3*8*4*50*4F	MC373-040R03050
6.0	0.3	15	6	50	4	Φ6R0.3*15*6*50*4F	MC373-060R03050

尺寸公差							MC373
直径	圆弧半径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	R -mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC373
Cutting Diameter	Corner Radius	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
8.0	0.3	20	8	60	4	Φ8R0.3*20*8*60*4F	MC373-080R03060
10.0	0.3	25	10	75	4	Φ10R0.3*25*10*75*4F	MC373-100R03075
12.0	0.3	30	12	75	4	Φ12R0.3*30*12*75*4F	MC373-120R03075
2.0	0.5	6	4	50	4	Φ2R0.5*6*4*50*4F	MC373-020R05050
2.5	0.5	7	4	50	4	Φ2.5R0.5*7*4*50*4F	MC373-025R05050
3.0	0.5	8	3	50	4	Φ3R0.5*8*3*50*4F	MC373-030R05050
3.0	0.5	8	4	50	4	Φ3R0.5*8*4*50*4F	MC373-030R05050
3.0	0.5	11	3	75	4	Φ3R0.5*11*3*75*4F	MC373-030R05075
3.0	0.5	13	3	100	4	Φ3R0.5*13*3*100*4F	MC373-030R05100
4.0	0.5	11	4	50	4	Φ4R0.5*11*4*50*4F	MC373-040R05050
4.0	0.5	15	4	75	4	Φ4R0.5*15*4*75*4F	MC373-040R05075
4.0	0.5	20	4	100	4	Φ4R0.5*20*4*100*4F	MC373-040R05100
5.0	0.5	13	5	50	4	Φ5R0.5*13*5*50*4F	MC373-050R05050
5.0	0.5	13	6	50	4	Φ5R0.5*13*6*50*4F	MC373-050R05050
5.0	0.5	20	5	75	4	Φ5R0.5*20*5*75*4F	MC373-050R05075
5.0	0.5	25	5	100	4	Φ5R0.5*25*5*100*4F	MC373-050R05100
6.0	0.5	15	6	50	4	Φ6R0.5*15*6*50*4F	MC373-060R05050
6.0	0.5	25	6	75	4	Φ6R0.5*25*6*75*4F	MC373-060R05075
6.0	0.5	30	6	100	4	Φ6R0.5*30*6*100*4F	MC373-060R05100
8.0	0.5	20	8	60	4	Φ8R0.5*20*8*60*4F	MC373-080R05060
8.0	0.5	25	8	75	4	Φ8R0.5*25*8*75*4F	MC373-080R05075
8.0	0.5	35	8	100	4	Φ8R0.5*35*8*100*4F	MC373-080R05100
10.0	0.5	25	10	75	4	Φ10R0.5*25*10*75*4F	MC373-100R05075
10.0	0.5	40	10	100	4	Φ10R0.5*40*10*100*4F	MC373-100R05100
12.0	0.5	30	12	75	4	Φ12R0.5*30*12*75*4F	MC373-120R05075
12.0	0.5	45	12	100	4	Φ12R0.5*45*12*100*4F	MC373-120R05100
6.0	0.5	35	6	150	4	Φ6R0.5*35*6*150*4F	MC373-060R05150
8.0	0.5	50	8	150	4	Φ8R0.5*50*8*150*4F	MC373-080R05150
10.0	0.5	55	10	150	4	Φ10R0.5*55*10*150*4F	MC373-100R05150
12.0	0.5	60	12	150	4	Φ12R0.5*60*12*150*4F	MC373-120R05150
3.0	1.0	8	3	50	4	Φ3R1*8*3*50*4F	MC373-030R10050
3.0	1.0	8	4	50	4	Φ3R1*8*4*50*4F	MC373-030R10050
3.0	1.0	11	3	75	4	Φ3R1*11*3*75*4F	MC373-030R10075
3.0	1.0	13	3	100	4	Φ3R1*13*3*100*4F	MC373-030R10100
4.0	1.0	11	4	50	4	Φ4R1*11*4*50*4F	MC373-040R10050
4.0	1.0	15	4	75	4	Φ4R1*15*4*75*4F	MC373-040R10075
4.0	1.0	20	4	100	4	Φ4R1*20*4*100*4F	MC373-040R10100
5.0	1.0	13	5	50	4	Φ5R1*13*5*50*4F	MC373-050R10050
5.0	1.0	13	6	50	4	Φ5R1*13*6*50*4F	MC373-050R10050
5.0	1.0	20	5	75	4	Φ5R1*20*5*75*4F	MC373-050R10075
5.0	1.0	25	5	100	4	Φ5R1*25*5*100*4F	MC373-050R10100
6.0	1.0	15	6	50	4	Φ6R1*15*6*50*4F	MC373-060R10050
6.0	1.0	25	6	75	4	Φ6R1*25*6*75*4F	MC373-060R10075
6.0	1.0	30	6	100	4	Φ6R1*30*6*100*4F	MC373-060R10100
8.0	1.0	20	8	60	4	Φ8R1*20*8*60*4F	MC373-080R10060
8.0	1.0	25	8	75	4	Φ8R1*25*8*75*4F	MC373-080R10075
8.0	1.0	35	8	100	4	Φ8R1*35*8*100*4F	MC373-080R10100
10.0	1.0	25	10	75	4	Φ10R1*25*10*75*4F	MC373-100R10075
10.0	1.0	40	10	100	4	Φ10R1*40*10*100*4F	MC373-100R10100
12.0	1.0	30	12	75	4	Φ12R1*30*12*75*4F	MC373-120R10075
12.0	1.0	45	12	100	4	Φ12R1*45*12*100*4F	MC373-120R10100
6.0	1.0	35	6	150	4	Φ6R1*35*6*150*4F	MC373-060R10150
8.0	1.0	50	8	150	4	Φ8R1*50*8*150*4F	MC373-080R10150
10.0	1.0	55	10	150	4	Φ10R1*55*10*150*4F	MC373-100R10150
12.0	1.0	60	12	150	4	Φ12R1*60*12*150*4F	MC373-120R10150
14.0	1.0	45	14	100	4	Φ14R1*45*14*100*4F	MC373-140R10100
16.0	1.0	45	16	100	4	Φ16R1*45*16*100*4F	MC373-160R10100
5.0	1.5	15	5	50	4	Φ5R1.5*15*5*50*4F	MC373-050R15050
6.0	1.5	15	6	50	4	Φ6R1.5*15*6*50*4F	MC373-060R15050
6.0	1.5	25	6	75	4	Φ6R1.5*25*6*75*4F	MC373-060R15075
8.0	1.5	20	8	60	4	Φ8R1.5*20*8*60*4F	MC373-080R15060
8.0	1.5	25	8	75	4	Φ8R1.5*25*8*75*4F	MC373-080R15075
8.0	1.5	50	8	150	4	Φ8R1.5*50*8*150*4F	MC373-080R15150
10.0	1.5	25	10	75	4	Φ10R1.5*25*10*75*4F	MC373-100R15075
12.0	1.5	30	12	75	4	Φ12R1.5*30*12*75*4F	MC373-120R15075
6.0	2.0	15	6	50	4	Φ6R2*15*6*50*4F	MC373-060R20050
6.0	2.0	20	6	75	4	Φ6R2*20*6*75*4F	MC373-060R20075
6.0	2.5	15	6	50	4	Φ6R2.5*15*6*50*4F	MC373-060R25050
6.0	2.0	30	6	100	4	Φ6R2*30*6*100*4F	MC373-060R20100
8.0	2.0	30	8	150	4	Φ8R2*30*8*150*4F	MC373-080R20150

尺寸公差							MC373
直径	圆弧半径	刃长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	R -mm	l _c -mm	d _s (H8)-mm	L-mm	F		MC373
Cutting Diameter	Corner Radius	Cutting Length	Shank Diameter	Total Length	Slots		Art. Number
8.0	2.0	20	8	60	4	Φ8R2*20*8*60*4F	MC373-080R20060
8.0	2.0	25	8	75	4	Φ8R2*25*8*75*4F	MC373-080R20075
8.0	2.0	35	8	100	4	Φ8R2*35*8*100*4F	MC373-080R20100
10.0	2.0	25	10	75	4	Φ10R2*25*10*75*4F	MC373-100R20075
10.0	2.0	55	10	150	4	Φ10R2*55*10*150*4F	MC373-100R20150
10.0	2.0	40	10	100	4	Φ10R2*40*10*100*4F	MC373-100R20100
10.0	2.5	25	12	75	4	Φ10R2.5*25*12*75*4F	MC373-120R25075
12.0	2.0	30	12	75	4	Φ12R2*30*12*75*4F	MC373-120R20075
12.0	2.0	45	12	100	4	Φ12R2*45*12*100*4F	MC373-120R20100
12.0	2.0	60	12	100	4	Φ12R2*60*12*100*4F	MC373-120R20100
12.0	2.5	30	12	150	4	Φ12R2.5*30*12*150*4F	MC373-120R25150
16.0	2.5	45	16	100	4	Φ16R2.5*45*16*100*4F	MC373-160R25100
16.0	2.0	45	16	150	4	Φ16R2*45*16*150*4F	MC373-160R20150
16.0	2.0	70	16	150	4	Φ16R2*70*16*150*4F	MC373-160R20150

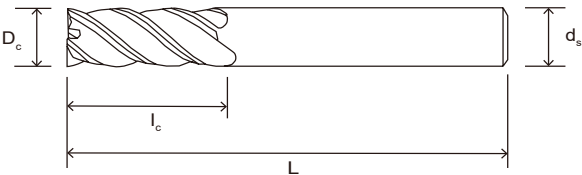
硬质合金 4 刃不锈钢专用铣刀 SUS 系列
 Carbide 4-flute end mill for stainless steel SUS series

- 产品优点：
 Product Advantages:

1. 专门设计用于加工不锈钢材料
 2. 采用高品质硬质合金
 3. 独特的不等分螺旋设计，排屑顺畅不粘刀，减少铣刀共振
1. Specifically designed for machining stainless steel.
 2. Made of high-quality carbide.
 3. Unique variable helix design ensures smooth chip evacuation, prevents material adhesion, and reduces milling cutter resonance.

MC441

纳米涂层
 Nano Coating



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	●	●	●	●	●	●	●	●	●

○ Can be used
 ● Suitable
 ● Not Recommended

尺寸公差							MC441	
直径	刃长	柄径		柄径	全长	刃数	物料代码	
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm		d _s (H8)-mm	L-mm	F	MC441	
Cutting Diameter	Cutting Length	Shank Diameter		Shank Diameter	Total Length	Slots	Art. Number	
1.0	-	3	-	4	50	4	SUS1*3*4*50*4F	MC441-010050
1.5	-	4	-	4	50	4	SUS1.5*4*4*50*4F	MC441-015050
2.0	-	6	-	4	50	4	SUS2*6*4*50*4F	MC441-020050
2.5	-	8	-	4	50	4	SUS2.5*8*4*50*4F	MC441-025050
3.0	-	8	-	3	50	4	SUS3*8*3*50*4F	MC441-030050
3.0	-	8	-	4	50	4	SUS3*8*4*50*4F	MC441-030050
3.5	-	8	-	4	50	4	SUS3.5*8*4*50*4F	MC441-035050
4.0	3.7	8	3	4	50	4	SUS4*8*4*50*4F	MC441-040050
5.0	4.7	10	5	5	50	4	SUS5*10*5*50*4F	MC441-050050
5.0	4.7	10	5	6	50	4	SUS5*10*6*50*4F	MC441-050050
6.0	5.7	12	5	6	50	4	SUS6*12*6*50*4F	MC441-060050
8.0	7.7	17	5	8	60	4	SUS8*17*8*60*4F	MC441-080060
3.0	2.7	10	5	3	75	4	SUS3*10*3*75*4F	MC441-030075
4.0	3.7	12	5	4	75	4	SUS4*12*4*75*4F	MC441-040075
5.0	4.7	17	5	5	75	4	SUS5*17*5*75*4F	MC441-050075
6.0	5.7	17	5	6	75	4	SUS6*17*6*75*4F	MC441-060075
8.0	7.7	22	5	8	75	4	SUS8*22*8*75*4F	MC441-080075
10.0	9.7	22	5	10	75	4	SUS10*22*10*75*4F	MC441-100075
12.0	11.7	27	5	12	75	4	SUS12*27*12*75*4F	MC441-120075
14.0	13.7	28	5	14	80	4	SUS14*28*14*80*4F	MC441-140080
3.0	2.7	10	5	3	100	4	SUS3*10*3*100*4F	MC441-030100
4.0	3.7	13	5	4	100	4	SUS4*13*4*100*4F	MC441-040100
5.0	4.7	17	5	5	100	4	SUS5*17*5*100*4F	MC441-050100
6.0	5.7	22	5	6	100	4	SUS6*22*6*100*4F	MC441-060100
8.0	7.7	30	5	8	100	4	SUS8*30*8*100*4F	MC441-080100

尺寸公差								MC441
直径	刃长	柄径		柄径	全长	刃数		物料代码
D _c (-0.01)-mm	l _c -mm	d _s (H8)-mm		d _s (H8)-mm	L-mm	F		MC441
Cutting Diameter	Cutting Length	Shank Diameter		Shank Diameter	Total Length	Slots		Art. Number
10.0	9.7	35	5	10	100	4	SUS10*35*10*100*4F	MC441-100100
12.0	11.7	40	5	12	100	4	SUS12*40*12*100*4F	MC441-120100
14.0	13.7	40	10	14	100	4	SUS14*40*14*100*4F	MC441-140100
16.0	15.7	40	10	16	100	4	SUS16*40*16*100*4F	MC441-160100
18.0	17.7	40	10	18	100	4	SUS18*40*18*100*4F	MC441-180100
20.0	19.7	40	10	20	100	4	SUS20*40*20*100*4F	MC441-200100
25.0	24.7	40	10	25	100	4	SUS25*40*25*100*4F	MC441-250100
6.0	5.7	20	5	6	150	4	SUS6.0*20*6*150*4F	MC441-060150
8.0	7.7	30	5	8	150	4	SUS8.0*30*8*150*4F	MC441-080150
10.0	9.7	40	5	10	150	4	SUS10*40*10*150*4F	MC441-100150
12.0	11.7	40	5	12	150	4	SUS12*40*12*150*4F	MC441-120150
14.0	13.7	40	10	14	150	4	SUS14*40*14*150*4F	MC441-140150
16.0	15.7	45	10	16	150	4	SUS16*45*16*150*4F	MC441-160150
18.0	17.7	45	10	18	150	4	SUS18*45*18*150*4F	MC441-180150
20.0	19.7	50	10	20	150	4	SUS20*50*20*150*4F	MC441-200150
25.0	24.7	55	10	25	150	4	SUS25*55*25*150*4F	MC441-250150

硬质合金 4 刃淬火钢专用铣刀 GES 系列 Carbide 4-flute end mill for hardened steel GES series

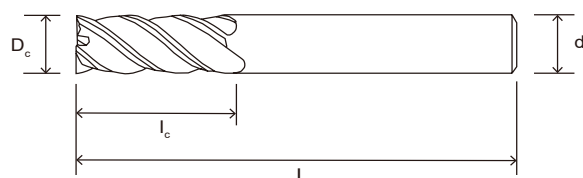
产品优点：
Product
Advantages:

- 专门设计用于加工高硬度淬火件
- 采用高品质硬质合金
- 独特的螺旋角设计，提升切削效率 "

- Specifically designed for machining high-hardness hardened parts.
- Made of high-quality carbide.
- Unique helix angle design improves cutting efficiency.

MC442

纳米涂层
Nano Coating



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel		High Hardened Steel
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
○	○	○	○	○	○	●	●	●	●	●	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差							MC442	
直径	颈径	刃长	颈长	柄径	全长	刃数	物料代码	
D _c (-0.01)-mm	D _n -mm	l _c -mm	l _n -mm	d _s (H8)-mm	L-mm	F	MC442	
Cutting Dia.	Neck Dia.	Cutting Length	Neck Length	Shank Diameter	Total Length	Slots	Art. Number	
1.0	-	3	-	4	50	4	GES1*3*4*50*4F	MC442-010050
1.5	-	4	-	4	50	4	GES1.5*4*4*50*4F	MC442-015050
2.0	-	6	-	4	50	4	GES2*6*4*50*4F	MC442-020050
2.5	-	8	-	4	50	4	GES2.5*8*4*50*4F	MC442-025050
3.0	-	8	-	3	50	4	GES3*8*3*50*4F	MC442-030050
3.0	-	8	-	4	50	4	GES3*8*4*50*4F	MC442-030050
3.5	-	8	-	4	50	4	GES3.5*8*4*50*4F	MC442-035050
4.0	3.7	8	3	4	50	4	GES4*8*4*50*4F	MC442-040050
5.0	4.7	10	5	5	50	4	GES5*10*5*50*4F	MC442-050050
5.0	4.7	10	5	6	50	4	GES5*10*6*50*4F	MC442-050050
6.0	5.7	12	5	6	50	4	GES6*12*6*50*4F	MC442-060050
8.0	7.7	17	5	8	60	4	GES8*17*8*60*4F	MC442-080060
3.0	2.7	10	5	3	75	4	GES3*10*3*75*4F	MC442-030075
4.0	3.7	12	5	4	75	4	GES4*12*4*75*4F	MC442-040075
5.0	4.7	17	5	5	75	4	GES5*17*5*75*4F	MC442-050075
6.0	5.7	17	5	6	75	4	GES6*17*6*75*4F	MC442-060075
8.0	7.7	22	5	8	75	4	GES8*22*8*75*4F	MC442-080075
10.0	9.7	22	5	10	75	4	GES10*22*10*75*4F	MC442-100075
12.0	11.7	27	5	12	75	4	GES12*27*12*75*4F	MC442-120075
14.0	13.7	28	5	14	80	4	GES14*28*14*80*4F	MC442-140080
3.0	2.7	10	5	3	100	4	GES3*10*3*100*4F	MC442-030100
4.0	3.7	13	5	4	100	4	GES4*13*4*100*4F	MC442-040100
5.0	4.7	17	5	5	100	4	GES5*17*5*100*4F	MC442-050100
6.0	5.7	22	5	6	100	4	GES6*22*6*100*4F	MC442-060100
8.0	7.7	30	5	8	100	4	GES8*30*8*100*4F	MC442-080100

尺寸公差								MC442
直径	颈径	刃长	颈长	柄径	全长	刃数		物料代码
D _c (-0.01)-mm	D _n -mm	l _c -mm	l _n -mm	d _s (H8)-mm	L-mm	F		MC442
Cutting Dia.	Neck Dia.	Cutting Length	Neck Length	Shank Diameter	Total Length	Slots		Art. Number
10.0	9.7	35	5	10	100	4	GES10*35*10*100*4F	MC442-100100
12.0	11.7	40	5	12	100	4	GES12*40*12*100*4F	MC442-120100
14.0	13.7	40	10	14	100	4	GES14*40*14*100*4F	MC442-140100
16.0	15.7	40	10	16	100	4	GES16*40*16*100*4F	MC442-160100
18.0	17.7	40	10	18	100	4	GES18*40*18*100*4F	MC442-180100
20.0	19.7	40	10	20	100	4	GES20*40*20*100*4F	MC442-200100
25.0	24.7	40	10	25	100	4	GES25*40*25*100*4F	MC442-250100
6.0	5.7	20	5	6	150	4	GES6*20*6*150*4F	MC442-060150
8.0	7.7	30	5	8	150	4	GES8*30*8*150*4F	MC442-080150
10.0	9.7	40	5	10	150	4	GES10*40*10*150*4F	MC442-100150
12.0	11.7	40	5	12	150	4	GES12*40*12*150*4F	MC442-120150
14.0	13.7	40	10	14	150	4	GES14*40*14*150*4F	MC442-140150
16.0	15.7	45	10	16	150	4	GES16*45*16*150*4F	MC442-160150
18.0	17.7	45	10	18	150	4	GES18*45*18*150*4F	MC442-180150
20.0	19.7	50	10	20	150	4	GES20*50*20*150*4F	MC442-200150
25.0	24.7	55	10	25	150	4	GES25*55*25*150*4F	MC442-250150

硬质合金 4 刃钛合金专用铣刀 TUS 系列

Carbide 4-flute end mill for titanium alloy TUS series

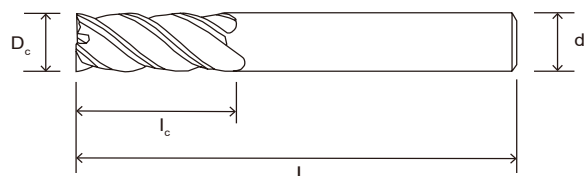
产品优点: Product Advantages:

- 专门设计用于加工钛合金和纯钛
- 采用高品质硬质合金
- 独特的不等分螺旋设计，排屑顺畅不粘刀，减少铣刀共振 "

- Specifically designed for machining titanium alloys and pure titanium.
- Made of high-quality carbide.
- Unique variable helix design ensures smooth chip evacuation, prevents material adhesion, and reduces milling cutter resonance.

MC443

纳米涂层
Nano Coating



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	●	●	●	●	○	○	○

○ Can be used

● Suitable

● Not Recommended

尺寸公差							MC443	
直径	颈径	刃长	颈长	柄径	全长	刃数	物料代码	
D _c (mm) & R(mm)	D _n -mm	l _c -mm	l _n -mm	d _s -mm	L-mm	F	MC443	
Cutting Dia.& Corner Radius	Neck Dia.	Cutting Length	Neck Length	Shank Diameter	Total Length	Slots	Art. Number	
Φ1R0.1	-	3	-	4	50	4	TUSΦ1R0.1*3*4*50*4F	MC443-010050
Φ1.5R0.1	-	4	-	4	50	4	TUSΦ1.5R0.1*4*4*50*4F	MC443-015050
Φ2R0.1	-	6	-	4	50	4	TUSΦ2R0.1*6*4*50*4F	MC443-020050
Φ2.5R0.1	-	8	-	4	50	4	TUSΦ2.5R0.1*8*4*50*4F	MC443-025050
Φ3R0.2	-	8	-	3	50	4	TUSΦ3R0.2*8*3*50*4F	MC443-030050
Φ3R0.2	-	8	-	4	50	4	TUSΦ3R0.2*8*4*50*4F	MC443-030050
Φ3.5R0.2	-	8	-	4	50	4	TUSΦ3.5R0.2*8*4*50*4F	MC443-035050
Φ4R0.5	3.7	8	3	4	50	4	TUSΦ4R0.5*8*4*50*4F	MC443-040050
Φ5R0.5	4.7	10	5	5	50	4	TUSΦ5R0.5*10*5*50*4F	MC443-050050
Φ5R0.5	4.7	10	5	6	50	4	TUSΦ5R0.5*10*6*50*4F	MC443-050050
Φ6R0.5	5.7	12	5	6	50	4	TUSΦ6R0.5*12*6*50*4F	MC443-060050
Φ8R0.5	7.7	17	5	8	60	4	TUSΦ8R0.5*17*8*60*4F	MC443-080060
Φ3R0.2	2.7	10	5	3	75	4	TUSΦ3R0.2*10*3*75*4F	MC443-030075
Φ4R0.5	3.7	12	5	4	75	4	TUSΦ4R0.5*12*4*75*4F	MC443-040075
Φ5R0.5	4.7	17	5	5	75	4	TUSΦ5R0.5*17*5*75*4F	MC443-050075
Φ6R0.5	5.7	17	5	6	75	4	TUSΦ6R0.5*17*6*75*4F	MC443-060075
Φ8R0.5	7.7	22	5	8	75	4	TUSΦ8R0.5*22*8*75*4F	MC443-080075
Φ10R0.5	9.7	22	5	10	75	4	TUSΦ10R0.5*22*10*75*4F	MC443-100075
Φ12R0.5	11.7	27	5	12	75	4	TUSΦ12R0.5*27*12*75*4F	MC443-120075
Φ14R0.5	13.7	28	10	14	80	4	TUSΦ14R0.5*28*14*80*4F	MC443-140080
Φ3R0.2	2.7	10	5	3	100	4	TUSΦ3R0.2*10*3*100*4F	MC443-030100
Φ4R0.5	3.7	13	5	4	100	4	TUSΦ4R0.5*13*4*100*4F	MC443-040100
Φ5R0.5	4.7	17	5	5	100	4	TUSΦ5R0.5*17*5*100*4F	MC443-050100
Φ6R0.5	5.7	22	5	6	100	4	TUSΦ6R0.5*22*6*100*4F	MC443-060100
Φ8R0.5	7.7	30	5	8	100	4	TUSΦ8R0.5*30*8*100*4F	MC443-080100

尺寸公差								MC443
直径	颈径	刃长	颈长	柄径	全长	刃数		物料代码
D _c (mm) & R(mm)	D _n -mm	l _c -mm	l _n -mm	d _s -mm	L-mm	F		MC443
Cutting Dia.& Corner Radius	Neck Dia.	Cutting Length	Neck Length	Shank Diameter	Total Length	Slots		Art. Number
Φ10R0.5	9.7	35	5	10	100	4	TUSΦ10R0.5*35*10*100*4F	MC443-100100
Φ12R0.5	11.7	40	5	12	100	4	TUSΦ12R0.5*40*12*100*4F	MC443-120100
Φ14R0.5	13.7	40	10	14	100	4	TUSΦ14R0.5*40*14*100*4F	MC443-140100
Φ16R0.5	15.7	40	10	18	100	4	TUSΦ16R0.5*40*18*100*4F	MC443-160100
Φ18R0.5	17.7	40	10	18	100	4	TUSΦ18R0.5*40*18*100*4F	MC443-180100
Φ20R0.5	19.7	40	10	20	100	4	TUSΦ20R0.5*40*20*100*4F	MC443-200100
Φ25R1	24.7	40	10	25	100	4	TUSΦ25R1*40*25*100*4F	MC443-250100
Φ6R0.5	5.7	22	5	6	150	4	TUSΦ6R0.5*22*6*150*4F	MC443-060150
Φ8R0.5	7.7	30	5	8	150	4	TUSΦ8R0.5*30*8*150*4F	MC443-080150
Φ10R0.5	9.7	40	5	10	150	4	TUSΦ10R0.5*40*10*150*4F	MC443-100150
Φ12R0.5	11.7	40	5	12	150	4	TUSΦ12R0.5*40*12*150*4F	MC443-120150
Φ14R0.5	13.7	40	10	14	150	4	TUSΦ14R0.5*40*14*150*4F	MC443-140150
Φ16R0.5	15.7	45	10	16	150	4	TUSΦ16R0.5*45*16*150*4F	MC443-160150
Φ18R0.5	17.7	45	10	18	150	4	TUSΦ18R0.5*45*18*150*4F	MC443-180150
Φ20R0.5	19.7	50	10	20	150	4	TUSΦ20R0.5*50*20*150*4F	MC443-200150
Φ25R1	24.7	55	10	25	150	4	TUSΦ25R1*55*25*150*4F	MC443-250150

硬质合金单牙螺纹铣刀

Carbide single-tooth thread end mill

产品优点: Product Advantages:

1. 采用高品质硬质合金
2. 可以加工不同螺距，和任意直柄的内、外螺纹没有旋向限制，且可加工盲孔，减少采购成本
3. 刃部精磨和钝化处理，保障加工精度

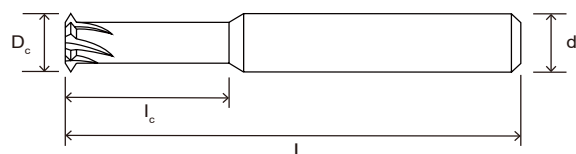
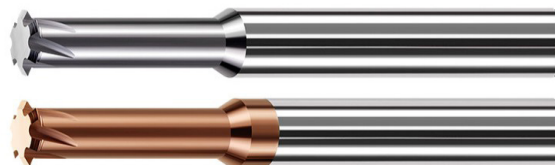
1. Made of high-quality carbide.
2. Capable of machining various pitches and both internal and external threads on any straight shank without rotation direction restrictions; can also machine blind holes, reducing procurement costs.
3. Fine grinding and edge honing ensure machining accuracy.

MC510

无涂层
Uncoated

MC511

古铜涂层
TISIN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	○	●	●	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差							MC510	MC511
螺纹规格	柄径	刃径	刃长	刃数	全长		物料代码	物料代码
M*P-mm	ds (H8)-mm	Dc -mm	lc -mm	F	L-mm		MC510	MC511
Pitch	Shank Diameter	Cutting Diameter	Cutting Length	Slots	Total Length		Art. Number	Art. Number
M1.0*0.25	4	0.73	2.3	3	50	M1.0*0.25*3*50	MC510-M010025	MC511-M010025
M1.2*0.25	4	0.92	2.8	3	50	M1.2*0.25*3*50	MC510-M012025	MC511-M012025
M1.4*0.3	4	1.05	3.2	3	50	M1.4*0.3*3*50	MC510-M014030	MC511-M014030
M1.6*0.35	4	1.2	3.4	3	50	M1.6*0.35*3*50	MC510-M016035	MC511-M016035
M1.8*0.35	4	1.40	4.5	3	50	M1.8*0.35*3*50	MC510-M018035	MC511-M018035
M2.0*0.4	4	1.55	5	3	50	M2.0*0.4*3*50	MC510-M020040	MC511-M020040
M2.2*0.45	4	1.65	5.5	3	50	M2.2*0.45*3*50	MC510-M022045	MC511-M022045
M2.5*0.45	4	1.95	6.2	3	50	M2.5*0.45*3*50	MC510-M025045	MC511-M025045
M3.0*0.5	4	2.4	7.5	3	50	M3.0*0.5*3*50	MC510-M030050	MC511-M030050
M3.5*0.6	4	2.75	8.7	3	50	M3.5*0.6*3*50	MC510-M035060	MC511-M035060
M4.0*0.7	4	3.15	10	3	50	M4.0*0.7*3*50	MC510-M040070	MC511-M040070
M5.0*0.8	6	4.05	12.5	3	50	M5.0*0.8*3*50	MC510-M050080	MC511-M050080
M6.0*1.0	6	4.8	15	3	50	M6.0*1.0*3*50	MC510-M060100	MC511-M060100
M8.0*1.25	8	6.5	20	4	60	M8.0*1.25*4*60	MC510-M080125	MC511-M080125
M10*1.5	10	8.2	25	4	75	M10*1.5*4*75	MC510-M100150	MC511-M100150
M12*1.75	10	9.9	30	6	75	M12*1.75*6*75	MC510-M120175	MC511-M120175
M14*2.0	12	11.6	36	6	75	M14*2.0*6*75	MC510-M140200	MC511-M140200
M16*2.0	12	11.9	40	6	83	M16*2.0*6*83	MC510-M160200	MC511-M160200
M20*2.5	16	15.9	50	6	100	M20*2.5*6*100	MC510-M200250	MC511-M200250
M5.0*0.8	4	3.9	12.5	3	50	M5.0*0.8*3*50	MC510-M050080	MC511-M050080
M6.0*1.0	4	3.95	15	3	50	M6.0*1.0*3*50	MC510-M060100	MC511-M060100
M8.0*1.25	6	5.9	20	3	60	M8.0*1.25*3*60	MC510-M080125	MC511-M080125
M10*1.5	8	7.9	25	4	60	M10*1.5*4*60	MC510-M100150	MC511-M100150



硬质合金三牙螺纹铣刀
Carbide three-tooth thread end mill

产品优点：
Product
Advantages:

1. 采用高品质硬质合金
2. 固定螺距加工，具有避让设计
3. 刃部精磨和钝化处理，保障加工精度 "

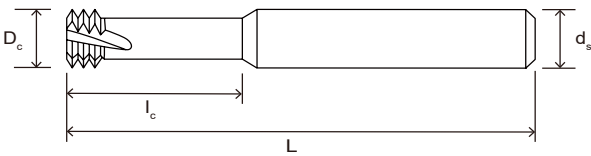
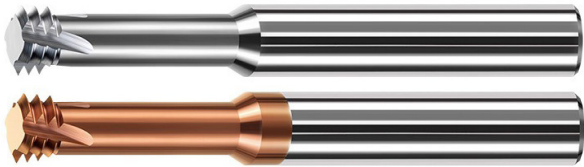
- "1. Made of high-quality carbide.
2. Fixed-pitch machining with relief design.
3. Fine grinding and edge honing ensure machining accuracy.

MC530

无涂层
Uncoated

MC531

古铜涂层
TISIN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	○	●	●	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差								MC530	MC531
螺纹规格	柄径	刃径	刃长	刃数	全长			物料代码	物料代码
M*P-mm	ds (H8)-mm	Dc -mm	Lc -mm	F	L-mm			MC510	MC511
Pitch	Shank Diameter	Cutting Diameter	Cutting Length	Slots	Total Length			Art. Number	Art. Number
M1.0*0.25	4	0.73	2.3	3	50	M1.0*0.25*3*50		MC530-M010025	MC531-M010025
M1.2*0.25	4	0.92	2.8	3	50	M1.2*0.25*3*50		MC530-M012025	MC531-M012025
M1.4*0.3	4	1.05	3.2	3	50	M1.4*0.3*3*50		MC530-M014030	MC531-M014030
M1.6*0.35	4	1.2	3.4	3	50	M1.6*0.35*3*50		MC530-M016035	MC531-M016035
M1.8*0.35	4	1.40	4.5	3	50	M1.8*0.35*3*50		MC530-M018035	MC531-M018035
M2.0*0.4	4	1.55	5	3	50	M2.0*0.4*3*50		MC530-M020040	MC531-M020040
M2.2*0.45	4	1.65	5.5	3	50	M2.2*0.45*3*50		MC530-M022045	MC531-M022045
M2.5*0.45	4	1.95	6.2	3	50	M2.5*0.45*3*50		MC530-M025045	MC531-M025045
M3.0*0.5	4	2.4	7.5	3	50	M3.0*0.5*3*50		MC530-M030050	MC531-M030050
M3.5*0.6	4	2.75	8.7	3	50	M3.5*0.6*3*50		MC530-M035060	MC531-M035060
M4.0*0.7	4	3.15	10	3	50	M4.0*0.7*3*50		MC530-M040070	MC531-M040070
M5.0*0.8	6	4.05	12.5	3	50	M5.0*0.8*3*50		MC530-M050080	MC531-M050080
M6.0*1.0	6	4.8	15	3	50	M6.0*1.0*3*50		MC530-M060100	MC531-M060100
M8.0*1.25	8	6.5	20	4	60	M8.0*1.25*4*60		MC530-M080125	MC531-M080125
M10*1.5	10	8.2	25	4	75	M10*1.5*4*75		MC530-M100150	MC531-M100150
M12*1.75	10	9.9	30	6	75	M12*1.75*6*75		MC530-M120175	MC531-M120175
M14*2.0	12	11.6	36	6	75	M14*2.0*6*75		MC530-M140200	MC531-M140200
M16*2.0	12	11.9	40	6	83	M16*2.0*6*83		MC530-M160200	MC531-M160200
M20*2.5	16	15.9	50	6	100	M20*2.5*6*100		MC530-M200250	MC531-M200250
M5.0*0.8	4	3.9	12.5	3	50	M5.0*0.8*3*50		MC530-M050080	MC531-M050080
M6.0*1.0	4	3.95	15	3	50	M6.0*1.0*3*50		MC530-M060100	MC531-M060100
M8.0*1.25	6	5.9	20	3	60	M8.0*1.25*3*60		MC530-M080125	MC531-M080125
M10*1.5	8	7.9	25	4	60	M10*1.5*4*60		MC530-M100150	MC531-M100150

硬质合金全牙螺纹铣刀 Carbide full-tooth thread end mill

产品优点:
Product Advantages:

1. 采用高品质硬质合金
2. 适合大批量螺纹的高效率加工
3. 刃部精磨和钝化处理，保障加工精度 "

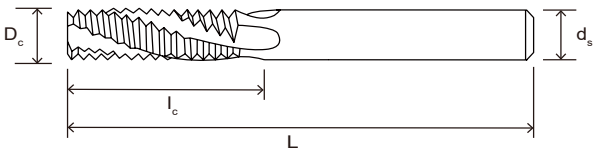
- "1. Made of high-quality carbide.
2. Suitable for high-efficiency machining of large-volume threads.
3. Fine grinding and edge honing ensure machining accuracy.

MC550

无涂层
Uncoated

MC551

古铜涂层
TISIN



推荐加工材质

P			M	K	N			S	H		
Carbon Steel	Alloy Steel	Prehardened Steel	Stainless Steel	Cast Iron	Copper	Graphite	Aluminium	Titanium	Hardened Steel	High Hardened Steel	
~HB225	~HB225-325	~HRC30-40							~HRC40-45	~HRC45-55	~HRC55-70
●	●	●	○	●	○	●	○	●	●	○	●

○ Can be used
● Suitable
● Not Recommended

尺寸公差							MC550	MC551
螺纹规格	柄径	刃径	刃长	刃数	全长		物料代码	物料代码
M*P-mm	ds (H8)-mm	Dc-mm	Lc-mm	F	L-mm		MC550	MC551
Pitch	Shank Diameter	Cutting Diameter	Cutting Length	Slots	Total Length		Art. Number	Art. Number
M3.0*0.5	4	2.4	6	3	50	M3.0*0.5*3*50	MC550-M030050	MC551-M030050
M4.0*0.7	4	3.15	8	3	50	M4.0*0.7*3*50	MC550-M040070	MC551-M040070
M4.5*0.75	4	3.6	9	3	50	M4.5*0.75*3*50	MC550-M045075	MC551-M045075
M5.0*0.8	6	3.9	10	3	50	M5.0*0.8*3*50	MC550-M050080	MC551-M050080
M6.0*1.0	6	4.8	12	3	50	M6.0*1.0*3*50	MC550-M060100	MC551-M060100
M8.0*1.25	8	6.5	16.3	4	60	M8.0*1.25*4*60	MC550-M080123	MC551-M080123
M10*1.5	10	8.2	21	4	75	M10*1.5*4*75	MC550-M100150	MC551-M100150
M12*1.75	12	9.9	25	4	75	M12*1.75*4*75	MC550-M120175	MC551-M120175
M14*2.0	12	11.6	28	4	75	M14*2.0*4*75	MC550-M140200	MC551-M140200
M16*2.0	14	13.6	32	4	80	M16*2.0*4*80	MC550-M160200	MC551-M160200
M18*2.5	16	14.8	36	4	100	M18*2.5*4*100	MC550-M180250	MC551-M180250
M20*2.5	18	17.1	40	4	100	M20*2.5*4*100	MC550-M200250	MC551-M200250
M24*3.0	20	19.9	50	4	100	M24*3.0*4*100	MC550-M240300	MC551-M240300
M6.0*1.0	4	3.9	12	3	50	M6.0*1.0*3*50	MC550-M060100	MC551-M060100
M8.0*1.25	6	5.8	16.3	3	60	M8.0*1.25*3*60	MC550-M080125	MC551-M080125
M10*1.5	8	7.7	21	3	60	M10*1.5*3*60	MC550-M100150	MC551-M100150
M12*1.75	10	8.7	24.5	4	75	M12*1.75*4*75	MC550-M120175	MC551-M120175
M14*2.0	10	9.9	28	4	75	M14*2.0*4*75	MC550-M140200	MC551-M140200
M16*2.0	12	11.9	32	4	83	M16*2.0*4*83	MC550-M160200	MC551-M160200
M18*2.5	12	11.9	36	4	83	M18*2.5*4*83	MC550-M180250	MC551-M180250
M20*2.5	16	15.9	40	4	92	M20*2.5*4*92	MC550-M200250	MC551-M200250
M24*3.0	16	15.9	50	4	92	M24*3.0*4*92	MC550-M240300	MC551-M240300
M4.0*0.5	4	3	8	3	50	M4.0*0.5*3*50	MC550-M040050	MC551-M040050
M5.0*0.5	4	3.9	10	3	50	M5.0*0.5*3*50	MC550-M050050	MC551-M050050
M6.0*0.75	4	3.9	12	3	50	M6.0*0.75*3*50	MC550-M060075	MC551-M060075

尺寸公差							MC550	MC551
螺纹规格	柄径	刃径	刃长	刃数	全长		物料代码	物料代码
M*P-mm	d _s (H8)-mm	D _c -mm	l _c -mm	F	L-mm		MC550	MC551
Pitch	Shank Diameter	Cutting Diameter	Cutting Length	Slots	Total Length		Art. Number	Art. Number
M8.0*1.0	6	5.9	16	3	60	M8.0*1.0*3*60	MC550-M080100	MC551-M080100
M10*1.0	8	7.9	20	3	60	M10*1.0*3*60	MC550-M100100	MC551-M100100
M12*1.0	10	9.9	24	4	75	M12*1.0*4*75	MC550-M120100	MC551-M120100
M10*1.25	8	7.7	20	3	60	M10*1.25*3*60	MC550-M100125	MC551-M100125
M12*1.5	10	9.4	24	4	75	M12*1.5*4*75	MC550-M120150	MC551-M120150
M14*1.5	12	11.2	28.5	4	83	M14*1.5*4*83	MC550-M140150	MC551-M140150
M16*1.5	12	11.9	33	4	83	M16*1.5*4*83	MC550-M160150	MC551-M160150
M20*2.0	12	11.9	32	4	83	M20*2.0*4*83	MC550-M200200	MC551-M200200

德标高性能含钴高速钢机用螺旋丝锥

DIN Standard High-performance machine spiral tap HSS-E

- 产品优点:

Product Advantages:

"1. 采用含钴高速钢制作。

2. 可广泛加工各种碳钢、不锈钢、铜、铝合金、球墨铸铁等。

3. 特殊的槽型设计，使排屑非常顺畅。

4. 表面处理采用高硬度、高耐磨性的复合涂层。"
- "1. Made of cobalt high-speed steel.

2. Widely applicable for machining various carbon steels, stainless steels, copper, aluminum alloys, ductile iron, etc.

3. Special flute design ensures very smooth chip evacuation.

4. Surface treatment with a composite coating of high hardness and high wear resistance."

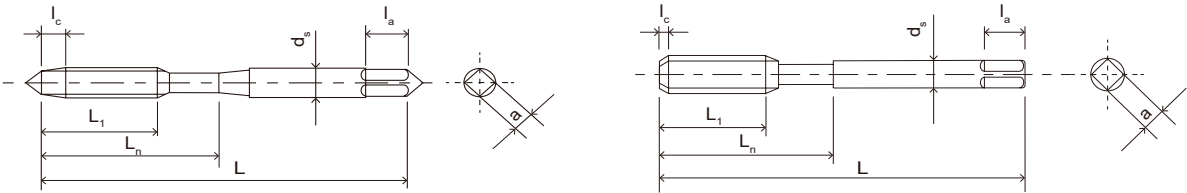
TE414

氮化钛涂层
TIN

TE415

碳氮化钛涂层
TiCN

尺寸范围 Size range
DIN371:M3~M10
DIN376:M12~M24
DIN374:MF4X0.35~MF24X1



尺寸公差											TE414	TE415
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TE414	TE415
M	P	ISO	L	L ₁	L _n	d _a	a	l _a	F		Art. Number	Art. Number
M3	0.5	6H	56	5	18	3.5	2.7	5	3	M3*0.5*3.5*56	TE414-030050	TE415-030050
M3.5	0.6	6H	56	6	20	4	3	5	3	M3.5*0.6*4*56	TE414-035060	TE415-035060
M4	0.7	6H	63	7	21	4.5	3.4	5	3	M4*0.7*4.5*63	TE414-040070	TE415-040070
MF4	0.5	6H	63	5.6	-	2.8	2.1	5	3	MF4*0.5*2.8*63	TE414-040050	TE415-040050
MF4	0.35	6H	63	5.6	-	2.8	2.1	5	3	MF4*0.35*2.8*63	TE414-040035	TE415-040035
M5	0.8	6H	70	8	25	6	4.9	7	3	M5*0.8*6*70	TE414-050080	TE415-050080
MF5	0.5	6H	70	6.4	-	3.5	2.7	6	3	MF5*0.5*3.5*70	TE414-050050	TE415-050050
M6	1	6H	80	10	30	6	4.9	7	3	M6*1*6*80	TE414-060100	TE415-060100
MF6	0.75	6H	80	8	-	4.5	3.4	6	3	MF6*0.75*4.5*80	TE414-060075	TE415-060075
MF6	0.5	6H	80	8	-	4.5	3.4	6	3	MF6*0.5*4.5*80	TE414-060050	TE415-060050
M7	1	6H	80	10	30	7	5.5	8	3	M7*1*7*80	TE414-070100	TE415-070100
M8	1.25	6H	90	13	35	8	6.2	9	3	M8*1.25*8*90	TE414-080125	TE415-080125
MF8	1	6H	90	10	36	6	4.9	8	3	MF8*1*6*90	TE414-080100	TE415-080100
MF8	0.75	6H	80	10	30	6	4.9	8	3	MF8*0.75*6*80	TE414-080075	TE415-080075
M9	1.25	6H	90	13	35	9	7	10	3	M9*1.25*9*90	TE414-090125	TE415-090125
MF9	1	6H	90	10	36	7	5.5	8	3	MF9*1*7*90	TE414-090100	TE415-090100
MF9	0.75	6H	80	10	30	7	5.5	8	3	MF9*0.75*7*80	TE414-090075	TE415-090075
M10	1.5	6H	100	15	39	10	8	11	3	M10*1.5*10*100	TE414-100150	TE415-100150
MF10	1.25	6H	100	13	39	7	5.5	8	3	MF10*1.25*7*100	TE414-100125	TE415-100125
MF10	1	6H	90	10	39	7	5.5	8	3	MF10*1*7*90	TE414-100100	TE415-100100
MF10	0.75	6H	90	10	39	7	5.5	8	3	MF10*0.75*7*90	TE414-100075	TE415-100075
M12	1.75	6H	110	18	53	9	7	10	3	M12*1.75*9*110	TE414-120175	TE415-120175
MF12	1.5	6H	100	15	40	9	7	10	3	MF12*1.5*9*100	TE414-120150	TE415-120150
MF12	1.25	6H	100	15	40	9	7	10	3	MF12*1.25*9*100	TE414-120125	TE415-120125
MF12	1	6H	100	15	40	9	7	10	3	MF12*1*9*100	TE414-120100	TE415-120100
M14	2	6H	110	20	53	11	9	12	3	M14*2*11*110	TE414-140200	TE415-140200
MF14	1.5	6H	100	15	40	11	9	12	3	MF14*1.5*11*100	TE414-140150	TE415-140150
MF14	1.25	6H	100	15	40	11	9	12	3	MF14*1.25*11*100	TE414-140125	TE415-140125
MF14	1	6H	100	15	40	11	9	12	3	MF14*1*11*100	TE414-140100	TE415-140100
M16	2	6H	110	20	53	12	9	12	3	M16*2*12*110	TE414-160200	TE415-160200
MF16	1.5	6H	100	15	48	12	9	12	3	MF16*1.5*12*100	TE414-160150	TE415-160150
MF16	1.25	6H	100	15	48	12	9	12	3	MF16*1.25*12*100	TE414-160125	TE415-160125
MF16	1	6H	100	15	48	12	9	12	3	MF16*1*12*100	TE414-160100	TE415-160100
M18	2.5	6H	125	25	62	14	11	14	4	M18*2.5*14*125	TE414-180250	TE415-180250

丝锥系列

TAP SERIES

尺寸公差											TE414	TE415
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TE414	TE415
M	P	ISO	L	L _t	L _n	d _s	a	l _s	F		Art. Number	Art. Number
MF18	2	6H	125	25	62	14	11	14	4	MF18*2*14*125	TE414-180200	TE415-180200
MF18	1.5	6H	110	17	50	14	11	14	4	MF18*1.5*14*110	TE414-180150	TE415-180150
MF18	1	6H	110	15	44	14	11	14	4	MF18*1*14*110	TE414-180100	TE415-180100
M20	2.5	6H	140	25	62	16	12	15	4	M20*2.5*16*140	TE414-200250	TE415-200250
MF20	2	6H	140	20	54	16	12	15	4	MF20*2*16*140	TE414-200200	TE415-200200
MF20	1.5	6H	125	17	50	16	12	15	4	MF20*1.5*16*125	TE414-200150	TE415-200150
MF20	1	6H	125	15	50	16	12	15	4	MF20*1*16*125	TE414-200100	TE415-200100
M22	2.5	6H	140	25	62	18	14.5	17	4	M22*2.5*18*140	TE414-220250	TE415-220250
MF22	2	6H	140	20	54	18	14.5	17	4	MF22*2*18*140	TE414-220200	TE415-220200
MF22	1.5	6H	125	15	50	18	14.5	17	4	MF22*1.5*18*125	TE414-220150	TE415-220150
MF22	1	6H	125	15	50	18	14.5	17	4	MF22*1*18*125	TE414-220100	TE415-220100
M24	3	6H	160	30	80	18	14.5	17	4	M24*3*18*160	TE414-240300	TE415-240300
MF24	2	6H	140	20	54	18	14.5	17	4	MF24*2*18*140	TE414-240200	TE415-240200
MF24	1.5	6H	140	15	54	18	14.5	17	4	MF24*1.5*18*140	TE414-240150	TE415-240150
MF24	1	6H	140	15	54	18	14.5	17	4	MF24*1*18*140	TE414-240100	TE415-240100

德标高性能含钴高速钢机用先端丝锥

DIN Standard High-performance machine spiral point tap HSS-E

- 产品优点:

Product Advantages:

"1. 采用含钴高速钢制作。

2. 可广泛加工各种碳钢、不锈钢、铜、铝合金、球墨铸铁等。

3. 特殊的槽型设计，使排屑非常顺畅。

4. 表面处理采用高硬度、高耐磨性的复合涂层。"
- "1. Made of cobalt high-speed steel.

2. Widely applicable for machining various carbon steels, stainless steels, copper, aluminum alloys, ductile iron, etc.

3. Special flute design ensures very smooth chip evacuation.

4. Surface treatment with a composite coating of high hardness and high wear resistance."

TE424

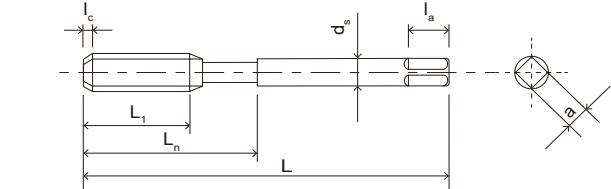
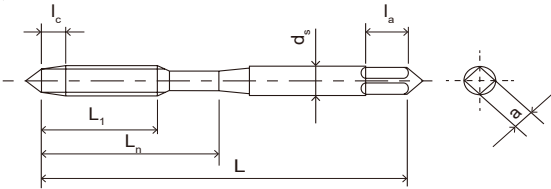
氮化钛涂层
TIN

TE425

碳氮化钛涂层
TiCN

尺寸范围 Size range
DIN371:M3~M10
DIN376:M12~M24
DIN374:MF4X0.35~MF24X1

推荐加工参数



尺寸公差											TP424	TP425
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TP424	TP425
M	P	ISO	L	L ₁	L _n	d ₁	a	l _b	F		Art. Number	Art. Number
M3	0.5	6H	56	9	18	3.5	2.7	5	3	M3*0.5*3.5*56	TE424-030050	TE425-030050
M3.5	0.6	6H	56	12	20	4	3	5	3	M3.5*0.6*4*56	TE424-035060	TE425-035060
M4	0.7	6H	63	12	21	4.5	3.4	5	3	M4*0.7*4.5*63	TE424-040070	TE425-040070
MF4	0.5	6H	63	10	-	2.8	2.1	5	3	MF4*0.5*2.8*63	TE424-040050	TE425-040050
MF4	0.35	6H	63	10	-	2.8	2.1	5	3	MF4*0.35*2.8*63	TE424-040035	TE425-040035
M5	0.8	6H	70	13	25	6	4.9	7	3	M5*0.8*6*70	TE424-050080	TE425-050080
MF5	0.5	6H	70	11	-	3.5	2.7	6	3	MF5*0.5*3.5*70	TE424-050050	TE425-050050
M6	1	6H	80	15	30	6	4.9	7	3	M6*1*6*80	TE424-060100	TE425-060100
MF6	0.75	6H	80	13	-	4.5	3.4	6	3	MF6*0.75*4.5*80	TE424-060075	TE425-060075
MF6	0.5	6H	80	13	-	4.5	3.4	6	3	MF6*0.5*4.5*80	TE424-060050	TE425-060050
M7	1	6H	80	15	30	7	5.5	8	3	M7*1*7*80	TE424-070100	TE425-070100
M8	1.25	6H	90	18	35	8	6.2	9	3	M8*1.25*8*90	TE424-080125	TE425-080125
MF8	1	6H	90	17	36	6	4.9	8	3	MF8*1*6*90	TE424-080100	TE425-080100
MF8	0.75	6H	80	14	30	6	4.9	8	3	MF8*0.75*6*80	TE424-080075	TE425-080075
M9	1.25	6H	90	18	35	9	7	10	3	M9*1.25*9*90	TE424-090125	TE425-090125
MF9	1	6H	90	20	36	7	5.5	8	3	MF9*1*7*90	TE424-090100	TE425-090100
MF9	0.75	6H	80	20	30	7	5.5	8	3	MF9*0.75*7*80	TE424-090075	TE425-090075
M10	1.5	6H	100	20	39	10	8	11	3	M10*1.5*10*100	TE424-100150	TE425-100150
MF10	1.25	6H	100	22	39	7	5.5	8	3	MF10*1.25*7*100	TE424-100125	TE425-100125
MF10	1	6H	90	18	39	7	5.5	8	3	MF10*1*7*90	TE424-100100	TE425-100100
MF10	0.75	6H	90	18	39	7	5.5	8	3	MF10*0.75*7*90	TE424-100075	TE425-100075
M12	1.75	6H	110	24	53	9	7	10	3	M12*1.75*9*110	TE424-120175	TE425-120175
MF12	1.5	6H	100	22	40	9	7	10	3	MF12*1.5*9*100	TE424-120150	TE425-120150
MF12	1.25	6H	100	22	40	9	7	10	3	MF12*1.25*9*100	TE424-120125	TE425-120125
MF12	1	6H	100	18	40	9	7	10	3	MF12*1*9*100	TE424-120100	TE425-120100
M14	2	6H	110	27	53	11	9	12	3	M14*2*11*110	TE424-140200	TE425-140200
MF14	1.5	6H	100	22	40	11	9	12	3	MF14*1.5*11*100	TE424-140150	TE425-140150
MF14	1.25	6H	100	22	40	11	9	12	3	MF14*1.25*11*100	TE424-140125	TE425-140125
MF14	1	6H	100	18	40	11	9	12	3	MF14*1*11*100	TE424-140100	TE425-140100
M16	2	6H	110	27	53	12	9	12	3	M16*2*12*110	TE424-160200	TE425-160200
MF16	1.5	6H	100	22	48	12	9	12	3	MF16*1.5*12*100	TE424-160150	TE425-160150
MF16	1.25	6H	100	22	48	12	9	12	3	MF16*1.25*12*100	TE424-160125	TE425-160125
MF16	1	6H	100	18	48	12	9	12	3	MF16*1*12*100	TE424-160100	TE425-160100
M18	2.5	6H	125	30	62	14	11	14	4	M18*2.5*14*125	TE424-180250	TE425-180250

丝锥系列

TAP SERIES

尺寸公差											TP424	TP425
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TP424	TP425
M	P	ISO	L	L _i	L _n	d _s	a	l _s	F		Art. Number	Art. Number
MF18	2	6H	125	26	62	14	11	14	4	MF18*2*14*125	TE424-180200	TE425-180200
MF18	1.5	6H	110	25	50	14	11	14	4	MF18*1.5*14*110	TE424-180150	TE425-180150
MF18	1	6H	110	20	44	14	11	14	4	MF18*1*14*110	TE424-180100	TE425-180100
M20	2.5	6H	140	32	62	16	12	15	4	M20*2.5*16*140	TE424-200250	TE425-200250
MF20	2	6H	140	27	54	16	12	15	4	MF20*2*16*140	TE424-200200	TE425-200200
MF20	1.5	6H	125	25	50	16	12	15	4	MF20*1.5*16*125	TE424-200150	TE425-200150
MF20	1	6H	125	20	50	16	12	15	4	MF20*1*16*125	TE424-200100	TE425-200100
M22	2.5	6H	140	32	62	18	14.5	17	4	M22*2.5*18*140	TE424-220250	TE425-220250
MF22	2	6H	140	27	54	18	14.5	17	4	MF22*2*18*140	TE424-220200	TE425-220200
MF22	1.5	6H	125	25	50	18	14.5	17	4	MF22*1.5*18*125	TE424-220150	TE425-220150
MF22	1	6H	125	20	50	18	14.5	17	4	MF22*1*18*125	TE424-220100	TE425-220100
M24	3	6H	160	34	80	18	14.5	17	4	M24*3*18*160	TE424-240300	TE425-240300
MF24	2	6H	140	27	54	18	14.5	17	4	MF24*2*18*140	TE424-240200	TE425-240200
MF24	1.5	6H	140	27	54	18	14.5	17	4	MF24*1.5*18*140	TE424-240150	TE425-240150
MF24	1	6H	140	20	54	18	14.5	17	4	MF24*1*18*140	TE424-240100	TE425-240100

HSS
PMDIN
371/374
/376

SFT

6H

Ultra

德标高性能粉末高速钢机用螺旋丝锥

DIN Standard High-performance machine spiral tap HSS-PM

产品优点：
Product
Advantages:

1. 采用耐热性、耐磨性优良的高端粉末高速钢制作。通用性比较强，适合加工碳钢、不锈钢、调质钢、铜、铝合金、球墨铸铁等。
2. 特殊的槽型设计，使排屑非常顺畅。
3. 表面处理采用高硬度、高耐磨性的复合涂层。
4. 适合高速加工。

1. Made of high-end powder metallurgy high-speed steel with excellent heat resistance and wear resistance. Strong versatility, suitable for machining carbon steel, stainless steel, hardened steel, copper, aluminum alloys, ductile iron, etc.
2. Special flute design ensures very smooth chip evacuation.
3. Surface treatment with a composite coating of high hardness and high wear resistance.
4. Suitable for high-speed machining."

TP411

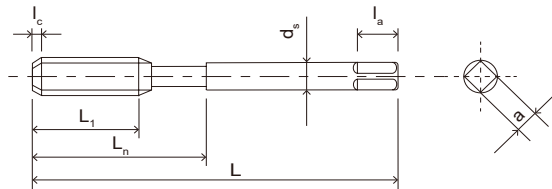
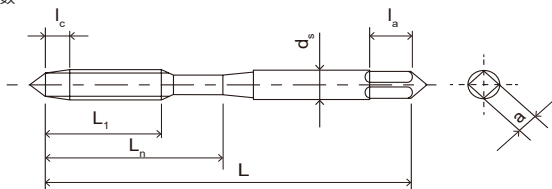
无涂层
Uncoated

TP416

复合涂层
AlCrN

尺寸范围 Size range
DIN371:M3~M10
DIN376:M12~M24
DIN374:MF4X0.35~MF24X1

推荐加工参数

TAP SERIES
丝锥系列

尺寸公差											TP411	TP416
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TP411	TP416
M	P	ISO	L	L ₁	L _n	d _h	a	l _a	F		Art. Number	Art. Number
M3	0.5	6H	56	5	18	3.5	2.7	5	3	M3*0.5*3.5*56	TP411-030050	TP416-030050
M3.5	0.6	6H	56	6	20	4	3	5	3	M3.5*0.6*4*56	TP411-035060	TP416-035060
M4	0.7	6H	63	7	21	4.5	3.4	5	3	M4*0.7*4.5*63	TP411-040070	TP416-040070
MF4	0.5	6H	63	5.6	-	2.8	2.1	5	3	MF4*0.5*2.8*63	TP411-040050	TP416-040050
MF4	0.35	6H	63	5.6	-	2.8	2.1	5	3	MF4*0.35*2.8*63	TP411-040035	TP416-040035
M5	0.8	6H	70	8	25	6	4.9	7	3	M5*0.8*6*70	TP411-050080	TP416-050080
MF5	0.5	6H	70	6.4	-	3.5	2.7	6	3	MF5*0.5*3.5*70	TP411-050050	TP416-050050
M6	1	6H	80	10	30	6	4.9	7	3	M6*1*6*80	TP411-060100	TP416-060100
MF6	0.75	6H	80	8	-	4.5	3.4	6	3	MF6*0.75*4.5*80	TP411-060075	TP416-060075
MF6	0.5	6H	80	8	-	4.5	3.4	6	3	MF6*0.5*4.5*80	TP411-060050	TP416-060050
M7	1	6H	80	10	30	7	5.5	8	3	M7*1*7*80	TP411-070100	TP416-070100
M8	1.25	6H	90	13	35	8	6.2	9	3	M8*1.25*8*90	TP411-080125	TP416-080125
MF8	1	6H	90	10	36	6	4.9	8	3	MF8*1*6*90	TP411-080100	TP416-080100
MF8	0.75	6H	80	10	30	6	4.9	8	3	MF8*0.75*6*80	TP411-080075	TP416-080075
M9	1.25	6H	90	13	35	9	7	10	3	M9*1.25*9*90	TP411-090125	TP416-090125
MF9	1	6H	90	10	36	7	5.5	8	3	MF9*1*7*90	TP411-090100	TP416-090100
MF9	0.75	6H	80	10	30	7	5.5	8	3	MF9*0.75*7*80	TP411-090075	TP416-090075
M10	1.5	6H	100	15	39	10	8	11	3	M10*1.5*10*100	TP411-100150	TP416-100150
MF10	1.25	6H	100	13	39	7	5.5	8	3	MF10*1.25*7*100	TP411-100125	TP416-100125
MF10	1	6H	90	10	39	7	5.5	8	3	MF10*1*7*90	TP411-100100	TP416-100100
MF10	0.75	6H	90	10	39	7	5.5	8	3	MF10*0.75*7*90	TP411-100075	TP416-100075
M12	1.75	6H	110	18	53	9	7	10	3	M12*1.75*9*110	TP411-120175	TP416-120175
MF12	1.5	6H	100	15	40	9	7	10	3	MF12*1.5*9*100	TP411-120150	TP416-120150
MF12	1.25	6H	100	15	40	9	7	10	3	MF12*1.25*9*100	TP411-120125	TP416-120125
MF12	1	6H	100	15	40	9	7	10	3	MF12*1*9*100	TP411-120100	TP416-120100
M14	2	6H	110	20	53	11	9	12	3	M14*2*11*110	TP411-140200	TP416-140200
MF14	1.5	6H	100	15	40	11	9	12	3	MF14*1.5*11*100	TP411-140150	TP416-140150
MF14	1.25	6H	100	15	40	11	9	12	3	MF14*1.25*11*100	TP411-140125	TP416-140125
MF14	1	6H	100	15	40	11	9	12	3	MF14*1*11*100	TP411-140100	TP416-140100
M16	2	6H	110	20	53	12	9	12	3	M16*2*12*110	TP411-160200	TP416-160200
MF16	1.5	6H	100	15	48	12	9	12	3	MF16*1.5*12*100	TP411-160150	TP416-160150
MF16	1.25	6H	100	15	48	12	9	12	3	MF16*1.25*12*100	TP411-160125	TP416-160125
MF16	1	6H	100	15	48	12	9	12	3	MF16*1*12*100	TP411-160100	TP416-160100
M18	2.5	6H	125	25	62	14	11	14	4	M18*2.5*14*125	TP411-180250	TP416-180250

尺寸公差											TP411	TP416
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TP411	TP416
M	P	ISO	L	L _t	L _n	d _s	a	l _s	F		Art. Number	Art. Number
MF18	2	6H	125	25	62	14	11	14	4	MF18*2*14*125	TP411-180200	TP416-180200
MF18	1.5	6H	110	17	50	14	11	14	4	MF18*1.5*14*110	TP411-180150	TP416-180150
MF18	1	6H	110	15	44	14	11	14	4	MF18*1*14*110	TP411-180100	TP416-180100
M20	2.5	6H	140	25	62	16	12	15	4	M20*2.5*16*140	TP411-200250	TP416-200250
MF20	2	6H	140	20	54	16	12	15	4	MF20*2*16*140	TP411-200200	TP416-200200
MF20	1.5	6H	125	17	50	16	12	15	4	MF20*1.5*16*125	TP411-200150	TP416-200150
MF20	1	6H	125	15	50	16	12	15	4	MF20*1*16*125	TP411-200100	TP416-200100
M22	2.5	6H	140	25	62	18	14.5	17	4	M22*2.5*18*140	TP411-220250	TP416-220250
MF22	2	6H	140	20	54	18	14.5	17	4	MF22*2*18*140	TP411-220200	TP416-220200
MF22	1.5	6H	125	15	50	18	14.5	17	4	MF22*1.5*18*125	TP411-220150	TP416-220150
MF22	1	6H	125	15	50	18	14.5	17	4	MF22*1*18*125	TP411-220100	TP416-220100
M24	3	6H	160	30	80	18	14.5	17	4	M24*3*18*160	TP411-240300	TP416-240300
MF24	2	6H	140	20	54	18	14.5	17	4	MF24*2*18*140	TP411-240200	TP416-240200
MF24	1.5	6H	140	15	54	18	14.5	17	4	MF24*1.5*18*140	TP411-240150	TP416-240150
MF24	1	6H	140	15	54	18	14.5	17	4	MF24*1*18*140	TP411-240100	TP416-240100

德标高性能粉末高速钢机用先端丝锥 DIN Standard High-performance machine spiral point tap HSS-PM

产品优点：
Product
Advantages:

"1. 采用耐热性、耐磨性优良的高端粉末高速钢制作。通用性比较强，适合加工碳钢、不锈钢、调质钢、铜、铝合金、球墨铸铁等。
 2. 特殊的槽型设计，使排屑非常顺畅。
 3. 表面处理采用高硬度、高耐磨性的复合涂层。
 4. 适合高速加工。"

"1. Made of high-end powder metallurgy high-speed steel with excellent heat resistance and wear resistance. Strong versatility, suitable for machining carbon steel, stainless steel, hardened steel, copper, aluminum alloys, ductile iron, etc.
 2. Special flute design ensures very smooth chip evacuation.
 3. Surface treatment with a composite coating of high hardness and high wear resistance.
 4. Suitable for high-speed machining."

TP421

 无涂层

 Uncoated

TP426

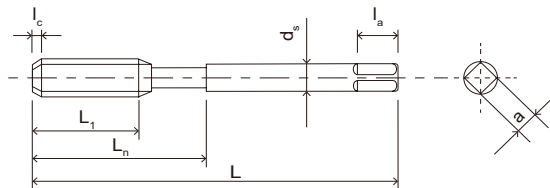
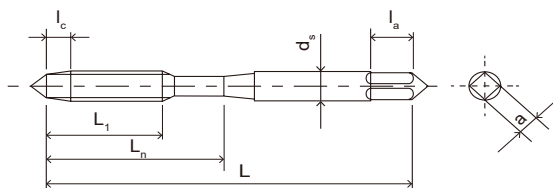
 复合涂层

 AlCrN



尺寸范围 Size range
 DIN371:M3~M10
 DIN376:M12~M24
 DIN374:MF4X0.35~MF24X1

推荐加工参数



TAP SERIES
 丝锥系列

尺寸公差											TP421	TP426
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TP421	TP426
M	P	ISO	L	L ₁	L _n	d _h	a	l _a	F		Art. Number	Art. Number
M3	0.5	6H	56	9	18	3.5	2.7	5	3	M3*0.5*3.5*56	TP421-030050	TP426-030050
M3.5	0.6	6H	56	12	20	4	3	5	3	M3.5*0.6*4*56	TP421-035060	TP426-035060
M4	0.7	6H	63	12	21	4.5	3.4	5	3	M4*0.7*4.5*63	TP421-040070	TP426-040070
MF4	0.5	6H	63	10	-	2.8	2.1	5	3	MF4*0.5*2.8*63	TP421-040050	TP426-040050
MF4	0.35	6H	63	10	-	2.8	2.1	5	3	MF4*0.35*2.8*63	TP421-040035	TP426-040035
M5	0.8	6H	70	13	25	6	4.9	7	3	M5*0.8*6*70	TP421-050080	TP426-050080
MF5	0.5	6H	70	11	-	3.5	2.7	6	3	MF5*0.5*3.5*70	TP421-050050	TP426-050050
M6	1	6H	80	15	30	6	4.9	7	3	M6*1*6*80	TP421-060100	TP426-060100
MF6	0.75	6H	80	13	-	4.5	3.4	6	3	MF6*0.75*4.5*80	TP421-060075	TP426-060075
MF6	0.5	6H	80	13	-	4.5	3.4	6	3	MF6*0.5*4.5*80	TP421-060050	TP426-060050
M7	1	6H	80	15	30	7	5.5	8	3	M7*1*7*80	TP421-070100	TP426-070100
M8	1.25	6H	90	18	35	8	6.2	9	3	M8*1.25*8*90	TP421-080125	TP426-080125
MF8	1	6H	90	17	36	6	4.9	8	3	MF8*1*6*90	TP421-080100	TP426-080100
MF8	0.75	6H	80	14	30	6	4.9	8	3	MF8*0.75*6*80	TP421-080075	TP426-080075
M9	1.25	6H	90	18	35	9	7	10	3	M9*1.25*9*90	TP421-090125	TP426-090125
MF9	1	6H	90	20	36	7	5.5	8	3	MF9*1*7*90	TP421-090100	TP426-090100
MF9	0.75	6H	80	20	30	7	5.5	8	3	MF9*0.75*7*80	TP421-090075	TP426-090075
M10	1.5	6H	100	20	39	10	8	11	3	M10*1.5*10*100	TP421-100150	TP426-100150
MF10	1.25	6H	100	22	39	7	5.5	8	3	MF10*1.25*7*100	TP421-100125	TP426-100125
MF10	1	6H	90	18	39	7	5.5	8	3	MF10*1*7*90	TP421-100100	TP426-100100
MF10	0.75	6H	90	18	39	7	5.5	8	3	MF10*0.75*7*90	TP421-100075	TP426-100075
M12	1.75	6H	110	24	53	9	7	10	3	M12*1.75*9*110	TP421-120175	TP426-120175
MF12	1.5	6H	100	22	40	9	7	10	3	MF12*1.5*9*100	TP421-120150	TP426-120150
MF12	1.25	6H	100	22	40	9	7	10	3	MF12*1.25*9*100	TP421-120125	TP426-120125
MF12	1	6H	100	18	40	9	7	10	3	MF12*1*9*100	TP421-120100	TP426-120100
M14	2	6H	110	27	53	11	9	12	3	M14*2*11*110	TP421-140200	TP426-140200
MF14	1.5	6H	100	22	40	11	9	12	3	MF14*1.5*11*100	TP421-140150	TP426-140150
MF14	1.25	6H	100	22	40	11	9	12	3	MF14*1.25*11*100	TP421-140125	TP426-140125
MF14	1	6H	100	18	40	11	9	12	3	MF14*1*11*100	TP421-140100	TP426-140100
M16	2	6H	110	27	53	12	9	12	3	M16*2*12*110	TP421-160200	TP426-160200
MF16	1.5	6H	100	22	48	12	9	12	3	MF16*1.5*12*100	TP421-160150	TP426-160150
MF16	1.25	6H	100	22	48	12	9	12	3	MF16*1.25*12*100	TP421-160125	TP426-160125
MF16	1	6H	100	18	48	12	9	12	3	MF16*1*12*100	TP421-160100	TP426-160100
M18	2.5	6H	125	30	62	14	11	14	4	M18*2.5*14*125	TP421-180250	TP426-180250

尺寸公差											TP421	TP426
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TP421	TP426
M	P	ISO	L	L _i	L _n	d _s	a	l _s	F		Art. Number	Art. Number
MF18	2	6H	125	26	62	14	11	14	4	MF18*2*14*125	TP421-180200	TP426-180200
MF18	1.5	6H	110	25	50	14	11	14	4	MF18*1.5*14*110	TP421-180150	TP426-180150
MF18	1	6H	110	20	44	14	11	14	4	MF18*1*14*110	TP421-180100	TP426-180100
M20	2.5	6H	140	32	62	16	12	15	4	M20*2.5*16*140	TP421-200250	TP426-200250
MF20	2	6H	140	27	54	16	12	15	4	MF20*2*16*140	TP421-200200	TP426-200200
MF20	1.5	6H	125	25	50	16	12	15	4	MF20*1.5*16*125	TP421-200150	TP426-200150
MF20	1	6H	125	20	50	16	12	15	4	MF20*1*16*125	TP421-200100	TP426-200100
M22	2.5	6H	140	32	62	18	14.5	17	4	M22*2.5*18*140	TP421-220250	TP426-220250
MF22	2	6H	140	27	54	18	14.5	17	4	MF22*2*18*140	TP421-220200	TP426-220200
MF22	1.5	6H	125	25	50	18	14.5	17	4	MF22*1.5*18*125	TP421-220150	TP426-220150
MF22	1	6H	125	20	50	18	14.5	17	4	MF22*1*18*125	TP421-220100	TP426-220100
M24	3	6H	160	34	80	18	14.5	17	4	M24*3*18*160	TP421-240300	TP426-240300
MF24	2	6H	140	27	54	18	14.5	17	4	MF24*2*18*140	TP421-240200	TP426-240200
MF24	1.5	6H	140	27	54	18	14.5	17	4	MF24*1.5*18*140	TP421-240150	TP426-240150
MF24	1	6H	140	20	54	18	14.5	17	4	MF24*1*18*140	TP421-240100	TP426-240100

高性能粉末高速钢机用螺旋丝锥，钛合金专用 High-performance machine spiral tap HSS-PM

产品优点：
Product
Advantages:

- "1. 表面处理采用 TiCN 涂层，耐高温、防粘刀。
2. 采用优质的粉末高速钢制作，更耐磨抗崩。
3. 特殊的槽型设计，使排屑非常顺畅。"

- "1. Surface treatment with TiCN coating, high-temperature resistant and anti-adhesion.
2. Made of high-quality powder metallurgy high-speed steel for better wear resistance and chipping resistance.
3. Special flute design ensures very smooth chip evacuation."

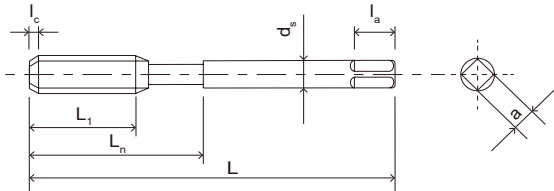
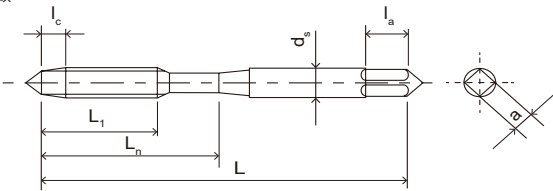
TP446

碳氮化钛涂层
TiCN



尺寸范围 Size range
DIN371:M3~M10
DIN376:M12~M24
DIN374:MF4X0.35~MF24X1

推荐加工参数



尺寸公差											TP446
规格	螺距	精度	全长	牙长	颈长	柄径	方厚	方长	槽数	总尺寸	物料代码
Size	Pitch	Precision	Full length	Long teete	Long neck	Handle diameter	Fang hou	Fang chang	Number of slots		TP446
M	P	ISO	L	L ₁	L _n	d ₁	a	l _a	F		Art. Number
M3	0.5	6H	56	5	18	3.5	2.7	5	3	M3*0.5*3.5*56	TP446-030050
M3.5	0.6	6H	56	6	20	4	3	5	3	M3.5*0.6*4*56	TP446-035060
M4	0.7	6H	63	7	21	4.5	3.4	5	3	M4*0.7*4.5*63	TP446-040070
M5	0.8	6H	70	8	25	6	4.9	7	3	M5*0.8*6*70	TP446-050080
M6	1	6H	80	10	30	6	4.9	7	3	M6*1*6*80	TP446-060100
M7	1	6H	80	10	30	7	5.5	8	3	M7*1*7*80	TP446-070100
M8	1.25	6H	90	13	35	8	6.2	9	3	M8*1.25*8*90	TP446-080125
M9	1.25	6H	90	13	35	9	7	10	3	M9*1.25*9*90	TP446-090125
M10	1.5	6H	100	15	39	10	8	11	3	M10*1.5*10*100	TP446-100150
M12	1.75	6H	110	18	53	9	7	10	3	M12*1.75*9*110	TP446-120175
M14	2	6H	110	20	53	11	9	12	3	M14*2*11*110	TP446-140200
M3	0.5	6G	56	5	18	3.5	2.7	5	3	M3*0.5*3.5*56	TP446-030050
M3.5	0.6	6G	56	6	20	4	3	5	3	M3.5*0.6*4*56	TP446-035060
M4	0.7	6G	63	7	21	4.5	3.4	5	3	M4*0.7*4.5*63	TP446-040070
M5	0.8	6G	70	8	25	6	4.9	7	3	M5*0.8*6*70	TP446-050080
M6	1	6G	80	10	30	6	4.9	7	3	M6*1*6*80	TP446-060100
M7	1	6G	80	10	30	7	5.5	8	3	M7*1*7*80	TP446-070100
M8	1.25	6G	90	13	35	8	6.2	9	3	M8*1.25*8*90	TP446-080125
M9	1.25	6G	90	13	35	9	7	10	3	M9*1.25*9*90	TP446-090125
M10	1.5	6G	100	15	39	10	8	11	3	M10*1.5*10*100	TP446-100150
M12	1.75	6G	110	18	53	9	7	10	3	M12*1.75*9*110	TP446-120175
M14	2	6G	110	20	53	11	9	12	3	M14*2*11*110	TP446-140200

HSS-E	Factory Standard	HT	6H	Ultra
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高性能粉末高速钢机用直槽丝锥，铸铁专用
High-performance machine spiral tap HSS-PM

产品优点：
Product
Advantages:

- "1. 表面耐磨涂层处理，确保使用寿命。
2. 适用于加工灰口铸铁、球墨铸铁、高硬度调质钢以及黄铜铸件等。
3. 采用直沟型槽设计，增加了丝锥的强度。
4. 切削轻快，效率高。"

- "1. Surface treatment with TiCN coating, high-temperature resistant and anti-adhesion.
2. Made of high-quality powder metallurgy high-speed steel for better wear resistance and chipping resistance.
3. Special flute design ensures very smooth chip evacuation."

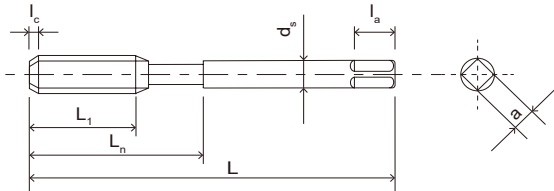
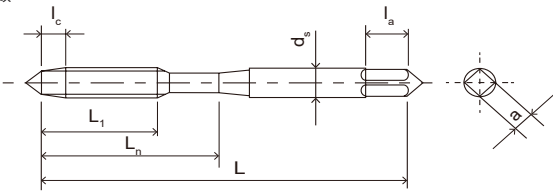
TE456

碳氮化钛涂层
TiCN



尺寸范围 Size range
DIN371:M3~M10
DIN376:M12~M24
DIN374:MF4X0.35~MF24X1

推荐加工参数



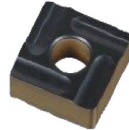
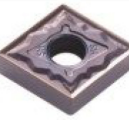
尺寸公差										TE456	
规格	螺距	精度	切削锥	全长	牙长	颈长	柄径	方厚	槽数	物料代码	
Specification	Pitch	Precision	Cutting Pitch	Full length	Long teete	Long neck	Handle diameter	Fang hou	Number of slots	TE456	
M	P	ISO	lc	L	L1	Ln	d1	a	F	Art. Number	
M3	0.5	6H	1.5P	46	11	19	4	3.2	3	M3*0.5*4*46	TE456-030050
M3	0.5	6H	3P	46	11	19	4	3.2	3	M3*0.5*4*46	TE456-030050-2
M3.5	0.6	6H	1.5P	48	13	20	4	3.2	3	M3.5*0.6*4*48	TE456-035060
M3.5	0.6	6H	3P	48	13	20	4	3.2	3	M3.5*0.6*4*48	TE456-035060-2
M4	0.7	6H	1.5P	52	13	21	5	4	3	M4*0.7*5*52	TE456-040070
M4	0.7	6H	3P	52	13	21	5	4	3	M4*0.7*5*52	TE456-040070-2
M5	0.8	6H	1.5P	60	16	24	5.5	4.5	3	M5*0.8*5.5*60	TE456-050080
M5	0.8	6H	3P	60	16	24	5.5	4.5	3	M5*0.8*5.5*60	TE456-050080-2
M6	1.0	6H	1.5P	62	19	29	6	4.5	3	M6*1.0*6*62	TE456-060100
M6	1.0	6H	3P	62	19	29	6	4.5	3	M6*1.0*6*62	TE456-060100-2
M6	0.75	6H	1.5P	62	19	29	6	4.5	3	M6*0.75*6*62	TE456-060075
M6	0.75	6H	3P	62	19	29	6	4.5	3	M6*0.75*6*62	TE456-060075-2
M7	1.0	6H	1.5P	65	19	33	6.2	5	4	M7*1.0*6.2*65	TE456-070100
M7	1.0	6H	3P	65	19	33	6.2	5	4	M7*1.0*6.2*65	TE456-070100-2
M8	1.25	6H	1.5P	70	22	37	6.2	5	4	M8*1.25*6.2*70	TE456-080125
M8	1.25	6H	3P	70	22	37	6.2	5	4	M8*1.25*6.2*70	TE456-080125-2
M8	1.0	6H	1.5P	70	22	37	6.2	5	4	M8*1.0*6.2*70	TE456-080100
M8	1.0	6H	3P	70	22	37	6.2	5	4	M8*1.0*6.2*70	TE456-080100-2
M10	1.5	6H	1.5P	75	24	41	7	5.5	4	M10*1.5*7*75	TE456-100150
M10	1.5	6H	3P	75	24	41	7	5.5	4	M10*1.5*7*75	TE456-100150-2
M10	1.25	6H	1.5P	75	24	41	7	5.5	4	M10*1.25*7*75	TE456-100125
M10	1.25	6H	3P	75	24	41	7	5.5	4	M10*1.25*7*75	TE456-100125-2
M10	1.0	6H	1.5P	75	24	41	7	5.5	4	M10*1.0*7*75	TE456-100100
M10	1.0	6H	3P	75	24	41	7	5.5	4	M10*1.0*7*75	TE456-100100-2
M12	1.75	6H	1.5P	82	29	48	8.5	6.5	4	M12*1.75*8.5*82	TE456-120175
M12	1.75	6H	3P	82	29	48	8.5	6.5	4	M12*1.75*8.5*82	TE456-120175-2
M12	1.5	6H	1.5P	82	29	48	8.5	6.5	4	M12*1.5*8.5*82	TE456-120150
M12	1.5	6H	3P	82	29	48	8.5	6.5	4	M12*1.5*8.5*82	TE456-120150-2
M12	1.25	6H	1.5P	82	29	48	8.5	6.5	4	M12*1.25*8.5*82	TE456-120125
M12	1.25	6H	3P	82	29	48	8.5	6.5	4	M12*1.25*8.5*82	TE456-120125-2
M12	1.0	6H	1.5P	82	29	48	8.5	6.5	4	M12*1.0*8.5*82	TE456-120100
M12	1.0	6H	3P	82	29	48	8.5	6.5	4	M12*1.0*8.5*82	TE456-120100-2
M14	2.0	6H	1.5P	88	30	48	10.5	8	4	M14*2.0*10.5*88	TE456-140200
M14	2.0	6H	3P	88	30	48	10.5	8	4	M14*2.0*10.5*88	TE456-140200-2

尺寸公差											TE456
规格	螺距	精度	切削锥	全长	牙长	颈长	柄径	方厚	槽数		物料代码
Specification	Pitch	Precision	Cutting Pitch	Full length	Long teete	Long neck	Handle diameter	Fang hou	Number of slots		TE456
M	P	ISO	lc	L	L ₁	L _n	d _s	a	F		Art. Number
M14	1.5	6H	1.5P	88	30	48	10.5	8	4	M14*1.5*10.5*88	TE456-140150
M14	1.5	6H	3P	88	30	48	10.5	8	4	M14*1.5*10.5*88	TE456-140150-2
M16	2.0	6H	1.5P	95	32	52	12.5	10	4	M16*2.0*12.5*95	TE456-160200
M16	2.0	6H	3P	95	32	52	12.5	10	4	M16*2.0*12.5*95	TE456-160200-2
M16	1.5	6H	1.5P	95	32	52	12.5	10	4	M16*1.5*12.5*95	TE456-160150
M16	1.5	6H	3P	95	32	52	12.5	10	4	M16*1.5*12.5*95	TE456-160150-2

牌号介绍 Grade Introduction

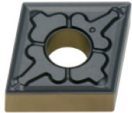
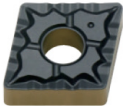
牌号 Grade	特性	Characteristics
MS4200	适用于一般工况下钢、合金钢的半精到轻微粗加工，兼顾高耐磨性与高韧性。	Suitable for semi-finishing to light rough machining of carbon steel and alloy steel under general working conditions, featuring excellent wear resistance and high toughness.
MS4400	钢件半精及粗加工通用牌号，抗塑性变形能力强，涂层耐磨性极佳。	A universal grade for semi-finishing and rough machining of steel workpieces, with outstanding plastic deformation resistance and superior coating wear resistance.
MS4600	适用于一般工况下钢、合金钢的半精到粗加工，抗崩刃性能优异。	Ideal for semi-finishing and rough machining of carbon steel and alloy steel under conventional cutting conditions, with excellent chipping resistance.
MS8018	广泛用于碳钢、合金钢的加工，加工范围较宽。	Widely applicable to machining of carbon steel and alloy steel with extensive processing adaptability.
MS8218	同样槽型比 8018 耐磨性好 30%，通用性及抗崩刃性更好	Compared with model 8018, the same groove type delivers 30% higher wear resistance, along with better versatility and chipping resistance.
MS7215	特别适用于铸铁加工，高耐磨性细晶粒基体搭配厚涂层，大幅提升刃口强度与切削稳定性。	Specially designed for cast iron machining. Its fine-grained substrate with high toughness and thick coating greatly improves edge strength and cutting stability.
MS8030 (G)	通用型牌号，稳定加工，涂层耐热性、抗氧化性与耐磨性优异，适配多种工况。	A universal grade enabling stable machining performance. The coating features outstanding heat resistance, oxidation resistance and wear resistance, suitable for diverse working conditions.
MS9815 (G)	适用于不锈钢材料的车削加工，刃口强度高，涂层摩擦系数小、纳米硬度高。	Applied to turning of stainless steel. It boasts high edge strength, low coating friction coefficient and high nano-hardness.
MS5018	具有优异的韧性和抗粘结磨损性，适用于不锈钢尤其是奥氏体不锈钢的加工。也适用于低速条件下切削耐热合金钢。	It possesses exceptional toughness and anti-adhesive wear property, suitable for machining stainless steel, especially austenitic stainless steel. It is also applicable to low-speed cutting of heat-resistant alloy steel.
MS5118	高韧抗冲击型，基体更韧、抗崩刃更强，适配断续切削、硬调质钢、重载粗加工	High-toughness impact-resistant grade. It adopts a tougher substrate with superior chipping resistance, suitable for interrupted cutting, hardened quenched steel and heavy-duty rough machining.
MS2018	刀片具有优质的耐磨性和强韧性，适用普通铁、球墨铸铁的精加工与半精加工	The inserts feature great wear resistance and high toughness, applicable to finishing and semi-finishing of gray iron and ductile iron.
MS01	切削锋利性与强度的刃口设计，有效减小了切削与前刀面的摩擦阻力的，适合铝合金加工	With optimally designed cutting edge balancing sharpness and strength, it effectively reduces friction resistance on the rake face, making it ideal for aluminum alloy machining.

槽型介绍 Insert Geometry Introduction

槽型 Chip Breaker	特点	Characteristics
MS 	中等切削专用槽型； 优化的刀口几何结构，切削阻力低，断屑稳定； 刃口耐磨性能好，可适配连续切削与中等进给； 适用于多种材料的半精至中等切削工序，通用性突出。	Specialized geometry for medium cutting; Optimized edge geometry for low cutting resistance and stable chip breaking; Good edge wear resistance, suitable for continuous cutting and medium feed rates; Highly versatile for semi-finishing to medium cutting of various materials.
LS 	半精切削通用槽型； 有切削方向，能有效控制切屑去除； 耐磨损性强的槽型结构，适用于半精 - 中加工切削的广泛领域。	General-purpose geometry for semi-finishing; Directional cutting design for effective chip removal; Wear-resistant groove structure suitable for a wide range of semi-finishing to medium cutting applications.
HS 	不锈钢半精加工槽型； 平角式大前角设计，切削阻力适中，刃口强度高； 断屑范围广，适配不同切深与进给的半精加工工况； 适配不锈钢厚板等材料，加工稳定性优异。	Geometry for semi-finishing of stainless steel; Flat large rake angle design with moderate cutting resistance and high edge strength; Wide chip breaking range adaptable to various depths of cut and feed rates; Excellent stability for machining thick stainless steel plates.
MQ 	不锈钢精切削专用槽型； 锋利切削刃设计，切削阻力小，小切深下断屑性能优异； 优化的槽型结构，可有效解决精加工中粘刀、排屑不畅问题； 适用于不锈钢材料的精切削，加工效率与光洁度双优。	Specialized geometry for finishing of stainless steel; Sharp cutting edge design for low cutting resistance and excellent chip breaking at small depths of cut; Optimized groove structure to solve chip adhesion and poor chip evacuation during finishing; High efficiency and surface finish for stainless steel finishing.
MM 	不锈钢的半精加工槽型； 兼顾了刀片刃口的锋利性和强度； 有效解决了不锈钢加工中切削、切削温度高、粘刀、加工硬化等加工难点；可以获得更高的加工效率。	Geometry for semi-finishing of stainless steel; Balances edge sharpness and strength; Addresses common stainless steel machining challenges such as high cutting temperature, chip adhesion, and work hardening; Enables higher machining efficiency.
KM 	铸铁中等切削槽型； 切削刃强度高，用于断续切削，锻造表皮或氧化皮材料的加工。	Geometry for medium cutting of cast iron; High cutting edge strength for interrupted cutting, forged surfaces, or materials with oxide scale.
MP 	半精加工通用槽型， 扁平棱边于大前角组合，刀片同时兼备优良的刀刃强度与切削锋利性 适用于钢、不锈钢及铸铁材料。	General-purpose geometry for semi-finishing; Combination of flat land and large rake angle for both edge strength and cutting sharpness; Suitable for steel, stainless steel, and cast iron.
GM 	大前角与变刃宽的组合，刀片兼备良好的刃口强度与切削锋利性能； 切削通用性好，实现广泛领域的稳定切削。	Combination of large rake angle and variable land width for both edge strength and cutting sharpness; High versatility for stable cutting across a wide range of applications.
MSS 	独特的槽型设计； 用于精、半精加工锋利的切削刃，更小的切削阻力，小切深也有良好的切屑处理能力。	"Unique groove design; Sharp cutting edge for finishing and semi-finishing with low cutting resistance; Good chip handling even at small depths of cut."

槽型介绍

Insert Geometry Introduction

槽型 Chip Breaker	特点	Characteristics
HQ 	钢件精、半精加工断屑槽型； 超大正前角设计，切削阻力更小； 优化的刃倾角结构，有效控制切屑流向，断屑稳定； 排屑顺畅，可获得优异的表面光洁度。	Chip breaker geometry for finishing and semi-finishing of steel parts; Ultra-high positive rake angle design for lower cutting resistance; Optimized inclination angle structure for effective chip flow control and stable chip breaking; Smooth chip evacuation for excellent surface finish.
PP 	钢件精、半精加工槽型； 独特的槽型能有效控制切屑卷曲和断屑； 刃口锋利，切削轻快； 可获得良好的表面质量。	Geometry for finishing and semi-finishing of steel parts; Unique groove design for effective chip curling and breaking; Sharp cutting edge for light cutting action; Good surface quality achievable.
HA 	精、半精加工槽型； 翘角式槽型设计，兼顾刃口锋利度与耐磨性； 切削阻力低，小切深、小进给工况下断屑稳定； 适配不锈钢中薄板、铝等材料，适合对光洁度要求高的加工场景。	Geometry for finishing and semi-finishing; Lifted-edge groove design balancing sharpness and wear resistance; Low cutting resistance, stable chip breaking under small depth of cut and low feed rate; Suitable for stainless steel thin plates, aluminum, and materials requiring high surface finish.
DZ 	钢件半精加工槽型； 负倒棱设计，增强刀片刃口强度和抗冲击性能； 双断屑台设计，扩大断屑范围。	Geometry for semi-finishing of steel parts; Negative chamfer design for enhanced edge strength and impact resistance; Double chip breaker design for wider chip breaking range.
TM 	钢件半精切削通用槽型； 宽范围断屑设计，适配连续切削与中等进给工况； 刃口耐磨性能突出，不易崩刀，通用性强； 适用于碳钢等材料的半精切削，加工节拍长、寿命稳定。	General-purpose geometry for semi-finishing of steel parts; Wide-range chip breaking design suitable for continuous cutting and medium feed rates; Excellent edge wear resistance, low risk of chipping, high versatility; Ideal for semi-finishing of carbon steel, offering long tool life and stable performance.
43 	钢件半精加工 - 中粗加工槽型； 特殊的刃口结构使得锋利与耐磨性兼顾，卓越的断屑性能，在加工余量不均匀的工况下也能有很好的表现。	Geometry for semi-finishing to medium roughing of steel parts; Special edge structure balancing sharpness and wear resistance with excellent chip breaking; Performs well even under uneven machining allowances.
CQ 	精、半精加工槽型； 独特三维槽型设计，断屑性能优异，可稳定控制小切深下的切屑形态； 锋利切削刃，切削轻快，加工精度高； 适配钢件、不锈钢等材料的高精度精加工工序。	Geometry for finishing and semi-finishing; Unique 3D groove design for excellent chip breaking and stable chip control at small depths of cut; Sharp cutting edge for light cutting and high precision; Suitable for high-precision finishing of steel and stainless steel.
GS 	半精加工 - 粗加工通用槽型； 刃口强度与切削效率双优设计，抗冲击性能强； 宽断屑范围，可适配中等至较大切深的加工工况； 适合不锈钢的半精及粗加工，加工稳定性高。	General-purpose geometry for semi-finishing to roughing; Design balancing edge strength and cutting efficiency with high impact resistance; Wide chip breaking range suitable for medium to large depths of cut; Ideal for semi-finishing and roughing of stainless steel with high stability.
MA 	中等切削通用槽型； 刃口强度与锋利度均衡设计，通用性强； 适配碳钢、不锈钢等材料的中等切削工况； 加工稳定，不易崩刀，适合日常批量生产的通用工序。	General-purpose geometry for medium cutting; Balanced design between edge strength and sharpness; Suitable for medium cutting of carbon steel, stainless steel, and other materials; Stable processing with low chipping risk, ideal for daily batch production.

C	N	M	G
1	2	3	4

ISO 车削刀片命名规则 ISO Turning Insert Naming Rules

1- 形状 Shape / 代号 Code

A	B	C	D	E	H	K	L	M
								
85°	82°	80°	55°	75°	120°	55°	90°	86°
O	P	R	S	T	V	W	Z	
							其他 Other	
135°	108°	360°	90°	60°	35°	80°		

2- 主力切削后角 Trailing Edge Back Angle

A	B	C	D	E	F	G	N	P	O
									其他后角 Additional Back Angle
3°	5°	7°	15°	20°	25°	30°	0°	11°	

3- 公差 Tolerance

等级 Grade	单位 Unit	内切圆直径 d Inner Cutting Circle Diameter d	刀尖高度 m Tip Height m	厚度 s Thickness s
A	mm	±0.025	±0.005	±0.025
C	mm	±0.025	±0.013	±0.025
E	mm	±0.025	±0.025	±0.025
F	mm	±0.013	±0.005	±0.025
G	mm	±0.025	±0.025	±0.130
H	mm	±0.013	±0.013	±0.025
J	mm	*	±0.005	±0.025
K	mm	*	±0.013	±0.025
L	mm	*	±0.025	±0.025
M	mm	*	*	±0.127
U	mm	*	*	±0.127
N	mm	*	*	±0.025

· 详见右表
· Refer to the table on the right for details

形状 Shape: C.E.H.M.O.R.S.T.R.W				
IC	d		m	
	J.K.L.M.N	U	M.N	U
4.76	±0.05	±0.08	±0.08	±0.13
5.56	±0.05	±0.08	±0.08	±0.13
6	±0.05	±0.08	±0.08	±0.13
6.35	±0.05	±0.08	±0.08	±0.13
7.94	±0.05	±0.08	±0.08	±0.13
8	±0.05	±0.08	±0.08	±0.13
9.525	±0.05	±0.08	±0.08	±0.13
10	±0.05	±0.08	±0.08	±0.13
12	±0.08	±0.13	±0.13	±0.2
12.7	±0.08	±0.13	±0.13	±0.2
15.875	±0.1	±0.18	±0.15	±0.27
16	±0.1	±0.18	±0.15	±0.27
19.05	±0.1	±0.18	±0.15	±0.27
20	±0.1	±0.18	±0.15	±0.27
25	±0.13	±0.25	±0.18	±0.38
25.4	±0.13	±0.25	±0.18	±0.38
31.75	±0.15	±0.25	±0.2	±0.38
32	±0.15	±0.25	±0.2	±0.38

M&N 级 M&N Level	D 形 D Shape		V 形 V Shape	
IC	d	m	d	m
5.56	±0.05	±0.11		
6.35	±0.05	±0.11	±0.05	±0.16
7.94	±0.05	±0.11	±0.05	±0.16
9.525	±0.05	±0.11	±0.05	±0.16
12.7	±0.08	±0.15	±0.08	±0.2
15.875	±0.10	±0.18	±0.10	±0.27
19.05	±0.10	±0.18	±0.10	±0.27

4- 加固形式 Reinforced Form

A	B	C	D	E	H	L	M
							
O	P	R	S	T	V	Z	
						特殊 Special	
	40°-60°		40°-60°	40°-60°	40°-60°		

12	04	08	-	AM
5	6	7	-	8

ISO 车削刀片命名规则
 ISO Turning Insert Naming Rules

5- 切削刃长度 Cutting Edge Length

内切圆直径 Inner Cutting Circle Diameter (mm)	刀片形状 Insert Shape							
	C	D	R	S	T	V	W	K
3.97					06		02	
5.0			05					
5.56			09					
6.0		06						
6.35	06	07			11	11	04	
8.0			08					
9.525	09	11	09	09	16	16	06	16
10.0			10					
12.0			12					
12.7	12	15	12	12	22	22	08	
15.875	16		15	15	27			
16.0			16					
19.05	19		19	19	33			
20.0			20					
25.0			25					
25.4	25		25	25				
31.75			31					
32			32					





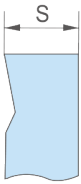
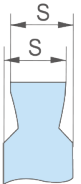




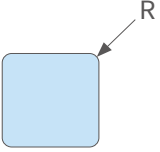



6- 厚度 Thickness

向下取整前加 O 或 T
 Add 'O' or 'T' before rounding down

A.B		示例: Example:
C.N		01=1.59
O.W		T1=1.98
		02=2.38
		03=3.18
		T3=3.97
H.W		04=4.76
R.T		05=5.56
		06=6.35
		07=7.94
		09=9.525
F.G		11=11.11
J.U		12=12.70
		14=14.29
		15=15.88

7- 刀尖圆弧 Tip Arc

代号 Code	刀尖圆弧半径 Tip Arc Radius (mm)	
00	无圆角 Without Corner Radius	
02	0.2	
04	0.4	
08	0.8	
12	1.2	
16	1.6	
20	2.0	
24	2.4	
32	3.2	
X	Other	
刀片直径尺寸 Mo (公制) Blade diameter size Mo		圆形刀片 Round Inserts

8- 断屑槽 Chip-Breaking Groove

车削刀片（负前角）CN** 系列 Turning Insert (Negative)

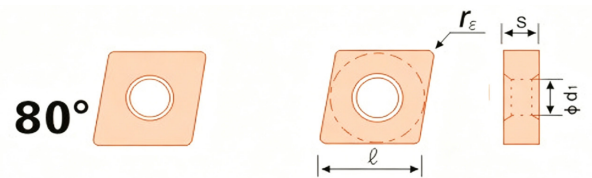
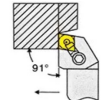
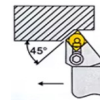
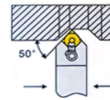
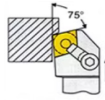
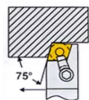
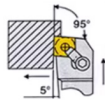
产品优点： Product Advantages:

1. 80°菱形车削刀片，超细晶粒硬质合金打造，兼具高硬度与抗冲击性，车削稳定性佳。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

1. 80° rhombic turning inserts, made of ultra-fine grain cemented carbide, with both high hardness and impact resistance, excellent turning stability.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

	MCLNR/L	MCBNR/L	MCKNR/L	MCMNN	MCSNR/L	MCGNR/L
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适配刀杆
Tool holder
adapter



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material														
			ℓ	φl.C	S	φd ₁	r _ε	P						M			K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS7215	MS2018	MS01	
精加工-半精加工 Finishing-Semi finishing		CNMG120404-HQ	12.9	12.7	4.76	5.16	0.4					●										
		CNMG120408-HQ	12.9	12.7	4.76	5.16	0.8					●										
		CNMG120412-HQ	12.9	12.7	4.76	5.16	1.2					○										
		CNMG120404-CQ	12.9	12.7	4.76	5.16	0.4					●										
		CNMG120408-CQ	12.9	12.7	4.76	5.16	0.8					●										
		CNMG120412-CQ	12.9	12.7	4.76	5.16	1.2					○										
		CNMG120404-CQ	12.9	12.7	4.76	5.16	0.4						●									
		CNMG120408-CQ	12.9	12.7	4.76	5.16	0.8						●									
		CNMG120412-CQ	12.9	12.7	4.76	5.16	1.2						●									
		CNMG120408-CQ	12.9	12.7	4.76	5.16	0.4							●								
		CNMG120408-CQ	12.9	12.7	4.76	5.16	0.8							●								
		CNMG120404-TF	12.9	12.7	4.76	5.16	0.4							●								
		CNMG120408-TF	12.9	12.7	4.76	5.16	0.8							●								
半精切削 Semi finishing		CNMG120404-PP	12.9	12.7	5.16	4.76	0.4				●											
		CNMG120408-PP	12.9	12.7	5.16	4.76	0.8					●										
		CNMG120412-PP	12.9	12.7	5.16	4.76	1.2					●										
		CNMG120404-TM	12.9	12.7	4.76	5.16	0.4					●										
		CNMG120408-TM	12.9	12.7	4.76	5.16	0.8					●										
		CNMG120412-TM	12.9	12.7	4.76	5.16	1.2					○										
		CNMG120404-TM	12.9	12.7	4.76	5.16	0.4						●									
		CNMG120408-TM	12.9	12.7	4.76	5.16	0.8						●									
		CNMG120412-TM	12.9	12.7	4.76	5.16	1.2						●									
		CNMG120404-TM	12.9	12.7	4.76	5.16	0.4							●								
		CNMG120408-TM	12.9	12.7	4.76	5.16	0.8							●								
		CNMG160404-TM	16.1	15.875	6.35	6.35	0.4							●								
		CNMG160408-TM	16.1	15.875	6.35	6.35	0.8							●								

刀片系列
INSERT SERIES

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material													
			ℓ	$\phi I.C$	S	ϕd_1	r_ϵ	P						M			K		N		
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS7215	MS2018	MS01
中等切削 Moderate		CNMG120404L/R-LS	12.9	12.7	5.16	4.76	0.4	●	●												
		CNMG120408L/R-LS	12.9	12.7	5.16	4.76	0.8	●	●												
		CNMG120412L/R-LS	12.9	12.7	5.16	4.76	1.2	●	●												
		CNMG160608-ZS	16.1	15.875	6.35	6.35	0.8					●									
		CNMG160612-ZS	16.1	15.875	6.35	6.35	1.2					●									
		CNMG160616-ZS	16.1	15.875	6.35	6.35	1.6					○									
		CNMG120404-PR	12.9	12.7	4.76	5.16	0.4				●										
		CNMG120408-PR	12.9	12.7	4.76	5.16	0.8				●										
		CNMG120412-PR	12.9	12.7	4.76	5.16	1.2				●										
半精加工 Semi finishing		CNMG120404-DZ	12.9	12.7	5.16	4.76	0.4	●	●												
		CNMG120408-DZ	12.9	12.7	5.16	4.76	0.8	●	●												
		CNMG120412-DZ	12.9	12.7	5.16	4.76	1.2	●	●												
半精加工-粗加工 Semi finishing-roughing		CNMG120404-43	12.9	12.7	5.16	4.76	0.4	●	●												
		CNMG120408-43	12.9	12.7	5.16	4.76	0.8	●	●												
		CNMG120412-43	12.9	12.7	5.16	4.16	1.2	●	●												
精切削 Finishing		CNMG120404-MQ	12.9	12.7	4.76	5.16	0.4											●			
		CNMG120408-MQ	12.9	12.7	4.76	5.16	0.8											●			
半精加工-粗加工 Semi finishing-roughing		CNMG120404-GS	12.9	12.7	4.76	5.16	0.4										●				
		CNMG120408-GS	12.9	12.7	4.76	5.16	0.8										●				
		CNMG120412-GS	12.9	12.7	4.76	5.16	1.2										○				
半精加工 Semi finishing		CNMG120404-MM	12.9	12.7	4.76	5.16	0.4											●			
		CNMG120408-MM	12.9	12.7	4.76	5.16	0.8											●			
		CNMG120404-HS	12.9	12.7	4.76	5.16	0.4										●				
		CNMG120408-HS	12.9	12.7	4.76	5.16	0.8										●				
		CNMG120412-HS	12.9	12.7	4.76	5.16	1.2										○				
		CNMG120404-HS	12.9	12.7	4.76	5.16	0.4											●			
		CNMG120408-HS	12.9	12.7	4.76	5.16	0.8											●			
精加工-半精加工 Finishing-Semi finishing		CNMG120404-HA	12.9	12.7	4.76	5.16	0.4									●	●				
		CNMG120408-HA	12.9	12.7	4.76	5.16	0.8									●	●				
		CNMG120412-HA	12.9	12.7	4.76	5.16	1.2									○	○				

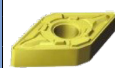
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material															
			L	φI.C	S	φd	r	P						M				K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS7215	MS2018	MS01		
中等切削 Moderate		CNMG160608	16.1	15.875	6.35	6.35	0.8			●						●				●			
		CNMG160612	16.1	15.875	6.35	6.35	1.2			●						●				●			
		CNMG160616	16.1	15.875	6.35	6.35	1.6			●						●				●			
		CNMG190608	19.3	19.05	7.94	6.35	0.8			●						●				●			
		CNMG190612	19.3	19.05	7.94	6.35	1.2			●						●				●			
		CNMG190616	19.3	19.05	7.94	6.35	1.6			●						●				●			
		CNMG120404-MS	12.9	12.7	5.16	4.76	0.4									●	●						
		CNMG120408-MS	12.9	12.7	5.16	4.76	0.8									●	●						
		CNMG120404-MA	12.9	12.7	5.16	4.76	0.4									●	●						
		CNMG120408-MA	12.9	12.7	5.16	4.76	0.8									●	●						
		CNMG120412-MA	12.9	12.7	5.16	4.76	1.2									●	●						
		CNMG120404-MA	12.9	12.7	4.76	5.16	0.4											●					
		CNMG120408-MA	12.9	12.7	4.76	5.16	0.8											●					
		CNMG120404-MA	12.9	12.7	4.76	5.16	0.4												●				
		CNMG120408-MA	12.9	12.7	4.76	5.16	0.8												●				
		CNMG120404-MS	12.9	12.7	4.76	5.16	0.4											●					
		CNMG120408-MS	12.9	12.7	4.76	5.16	0.8											●					
		CNMG120404-MS	12.9	12.7	4.76	5.16	0.4															●	
		CNMG120408-MS	12.9	12.7	4.76	5.16	0.8															●	
		CNMG120412-MS	12.9	12.7	4.76	5.16	1.2															●	
		CNMA120404	12.9	12.7	5.16	4.76	0.4														●		
		CNMA120408	12.9	12.7	5.16	4.76	0.8														●		
		CNMA120412	12.9	12.7	5.16	4.76	1.2														●		
		CNMG120404-KM	12.9	12.7	5.16	4.76	0.4														●		
		CNMG120408-KM	12.9	12.7	5.16	4.76	0.8														●		
CNMG120412-KM		12.9	12.7	5.16	4.76	1.2														●			
精加工-半精加工 Finishing-Semi finishing		CNMG120402-TF3	12.9	12.7	5.16	4.76	0.2															●	
		CNMG120404-TF3	12.9	12.7	5.16	4.76	0.4															●	
		CNMG120408-TF3	12.9	12.7	5.16	4.76	0.8															●	
		CNMG120402-HA	12.9	12.7	5.16	4.76	0.2															●	
		CNMG120404-HA	12.9	12.7	5.16	4.76	0.4															●	
		CNMG120408-HA	12.9	12.7	5.16	4.76	0.8															●	

车削刀片（负前角）DN** 系列
 Turning Insert (Negative)

产品优点：
 Product
 Advantages:

1. 55°菱形车削刀片，超细晶粒硬质合金材质，抗冲击、耐磨损，适配常规车削作业。
 2. 适配多种被加工材质，提供灵活的槽型选型方案。
 3. 覆盖不同工况，多种材质与涂层组合，随心选配。
1. 55° rhombic turning inserts, made of ultra-fine grain cemented carbide, impact-resistant and wear-resistant, suitable for regular turning operations.
 2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
 3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

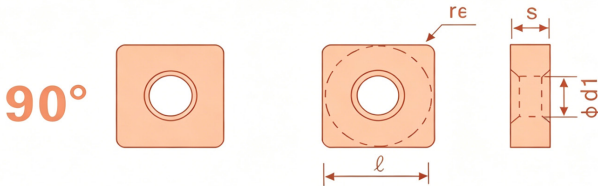
		MDPNN	MDJNR/L	MDQNR/L	MDUNR/L	MDZNR/L	MDQNR/L														
适配刀杆 Tool holder adapter																					
刀片外形 Insert Shape	型号 Model	尺寸 Size (mm)						适合加工材质 Acceptable Material													
		ℓ	ϕl.C	S	ϕd ₁	r _ε		P				M				K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS7215	MS2018	MS01
精加工·半精加工 Finishing·Semi finishing		DNMG150404-HQ	15.5	12.7	4.76	5.16	0.4				●										
		DNMG150408-HQ	15.5	12.7	4.76	5.16	0.8				●										
		DNMG150412-HQ	15.5	12.7	4.76	5.6	1.2				●										
		DNMG150404-CQ	15.5	12.7	4.76	5.16	0.4				●										
		DNMG150408-CQ	15.5	12.7	4.76	5.16	0.8				●										
半精切削 Semi finishing		DNMG150612-CQ	15.5	12.7	6.35	5.16	1.2			●											
		DNMG150404-PP	15.5	12.7	4.76	5.16	0.4			●											
		DNMG150408-PP	15.5	12.7	4.76	5.16	0.8			●											
		DNMG150412-PP	15.5	12.7	4.76	5.16	1.2			●											
		DNMG150604-PP	15.5	12.7	6.35	5.16	0.4			●											
		DNMG150608-PP	15.5	12.7	6.35	5.16	0.8			●											
		DNMG150612-PP	15.5	12.7	6.35	5.16	1.2			○											
		DNMG150404-TM	15.5	12.7	4.76	5.16	0.4				●										
		DNMG150408-TM	15.5	12.7	4.76	5.16	0.8				●										
		DNMG150412-TM	15.5	12.7	4.76	5.16	1.2				●										
		DNMG150604-TM	15.5	12.7	6.35	5.16	0.4				●										
		DNMG150608-TM	15.5	12.7	6.35	5.16	0.8				●										
		DNMG150612-TM	15.5	12.7	6.35	5.16	1.2				●										
		DNMG150404-TM	12.9	12.7	4.76	5.16	0.4					●									
		DNMG150408-TM	12.9	12.7	4.76	5.16	0.8					●									

刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material												
			L	φI.C	S	φd	r	P						M				K		N
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS7215	MS2018
半精加工 Semi finishing		DNMG150404-DZ	15.5	12.7	4.76	5.16	0.4	●	●											
		DNMG150408-DZ	15.5	12.7	4.76	5.16	0.8	●	●											
		DNMG150412-DZ	15.5	12.7	4.76	5.16	1.2	●	●											
		DNMG150604-DZ	15.5	12.7	6.35	5.16	0.4	●	●											
		DNMG150608-DZ	15.5	12.7	6.35	5.16	0.8	●	●											
		DNMG150612-DZ	15.5	12.7	6.35	5.16	1.2	●	●											
		DNMG150604-PM	15.5	12.7	4.76	5.16	0.4				●		●							
		DNMG150608-PM	15.5	12.7	4.76	5.16	0.8				●		●							
		DNMG150612-PM	15.5	12.7	4.76	5.16	1.2				○		○							
			DNMG150404-PM	12.9	12.7	4.76	5.16	0.4						●						
DNMG150408-PM	12.9		12.7	4.76	5.16	0.8						●								
DNMG150412-PM	12.9		12.7	4.76	5.16	1.2						○								
半精加工-粗加工 Semi finishing-roughing	DNMG150404-43		15.5	12.7	4.76	5.16	0.4	●	●											
	DNMG150408-43		15.5	12.7	4.76	5.16	0.8	●	●											
	DNMG150412-43	15.5	12.7	4.76	5.16	1.2	●	●												
	DNMG150604-43	15.5	12.7	6.35	5.16	0.4	●	●												
	DNMG150608-43	15.5	12.7	6.35	5.16	0.8	●	●												
	DNMG150612-43	15.5	12.7	6.35	5.16	1.2	●	●												
中等切削 Moderate		DNMG150404-PR	15.5	12.7	4.76	5.16	0.4				●									
		DNMG150408-PR	15.5	12.7	4.76	5.16	0.8				●									
		DNMG150412-PR	15.5	12.7	4.76	5.16	1.2				●									
精加工-半精加工 Finishing-Semi finishing		DNMG150404-HA	15.5	12.7	4.76	5.16	0.4									●				
		DNMG150408-HA	15.5	12.7	4.76	5.16	0.8									●				
半精加工-粗加工 Semi finishing-roughing		DNMG150404-GS	15.5	12.7	4.76	5.16	0.4										●			
		DNMG150408-GS	15.5	12.7	4.76	5.16	0.8										●			
		DNMG150412-GS	15.5	12.7	4.76	5.16	1.2										●			
半精加工 Semi finishing		DNMG150404-HS	15.5	12.7	4.76	5.16	0.4										●			
		DNMG150408-HS	15.5	12.7	4.76	5.16	0.8										●			
中等切削 Moderate		DNMG150404-MA	15.5	12.7	4.76	5.16	0.4										●			
		DNMG150408-MA	15.5	12.7	4.76	5.16	0.8										●			
		DNMG150412-MA	15.5	12.7	4.76	5.16	1.2										●			
		DNMG150404-MS	15.5	12.7	4.76	5.16	0.4										●			
		DNMG150408-MS	15.5	12.7	4.76	5.16	0.8										●			
		DNMG150412-MS	15.5	12.7	4.76	5.16	1.2										●			
		DNMG150404-MS	15.5	12.7	4.76	5.16	0.4												●	
		DNMG150408-MS	15.5	12.7	4.76	5.16	0.8												●	
		DNMG150412-MS	15.5	12.7	4.76	5.16	1.2												●	
		DNMA150404	15.5	12.7	4.76	5.16	0.4											●		
		DNMA150408	15.5	12.7	4.76	5.16	0.8											●		
DNMA150412		15.5	12.7	4.76	5.16	1.2											●			
DNMA150604		15.5	12.7	6.35	5.16	0.4											●			
DNMA150608		15.5	12.7	6.35	5.16	0.8											●			
DNMA150612		15.5	12.7	6.35	5.16	1.2											●			
精加工-半精加工 Finishing-Semi finishing		DNMG150404-HA	15.5	12.7	6.35	5.16	0.4												●	
		DNMG150408-HA	15.5	12.7	4.76	5.16	0.8												●	
		DNMG150604-HA	15.5	12.7	6.35	5.16	0.4												●	
		DNMG150608-HA	15.5	12.7	6.35	5.16	0.8												●	

车削刀片（负前角）SN** 系列
 Turning Insert (Negative)

产品优点：
 Product
 Advantages:

1. 正方形车削刀片，超细晶粒硬质合金，硬度高、韧性优，适配各类外圆及端面车削。
 2. 适配多种被加工材质，提供灵活的槽型选型方案。
 3. 覆盖不同工况，多种材质与涂层组合，随心选配。
1. Square turning inserts, made of ultra-fine grain cemented carbide, with high hardness and excellent toughness, suitable for various external and face turning.
 2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
 3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

		MSBNR/L	MSKNR/L	MSDNN	MSSNR/L	MSKNR/L															
适配刀杆 Tool holder adapter																					
																					
刀片外形 Insert Shape	型号 Model	尺寸 Size (mm)						适合加工材质 Acceptable Material													
		ℓ	φl.C	S	φd ₁	r _ε	P					M			K		N				
							MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01
半精切削 Semi finishing		SNMG120404-PP	12.7	12.7	4.76	5.16	0.4			●											
		SNMG120408-PP	12.7	12.7	4.76	5.16	0.8			●											
		SNMG120412-PP	12.7	12.7	4.76	5.16	1.2			●											
		SNMG120404-TM	12.7	12.7	4.76	5.16	0.4				●										
		SNMG120408-TM	12.7	12.7	4.76	5.16	0.8				●										
		SNMG120412-TM	12.7	12.7	4.76	5.16	1.2				●										
		SNMG120404-TM	12.7	12.7	4.76	5.16	0.4					●									
		SNMG120408-TM	12.7	12.7	4.76	5.16	0.8					●									
		SNMG120412-TM	12.7	12.7	4.76	5.16	1.2					○									
		SNMG120404L-S	12.9	12.7	4.76	5.16	0.4	●	●			●									
		SNMG120408L-S	12.9	12.7	4.76	5.16	0.8	●	●			●									
		SNMG120412L-S	12.9	12.7	4.76	5.16	1.2	●	●			●									
		SNMG120404R-S	12.7	12.7	4.76	5.16	0.4	●	●			●									
		SNMG120408R-S	12.7	12.7	4.76	5.16	0.8	●	●			●									
		SNMG120412R-S	12.7	12.7	4.76	5.16	1.2	●	●			●									
	SNMG120408L-S	12.7	12.7	4.76	5.16	0.8							●								
	SNMG120408R-S	12.7	12.7	4.76	5.16	0.8							●								
"半精加工" Semi finishing		SNMG120404-DZ	12.7	12.7	4.76	5.16	0.4	●	●												
		SNMG120408-DZ	12.7	12.7	4.76	5.16	0.8	●	●												
		SNMG120412-DZ	12.7	12.7	4.76	5.16	1.2	●	●												
		SNMG120404-PM	12.7	12.7	4.76	5.16	0.4				●										
		SNMG120408-PM	12.7	12.7	4.76	5.16	0.8				●										
		SNMG120412-PM	12.7	12.7	4.76	5.16	1.2				●										

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material															
			ℓ	φl.C	S	φd ₁	r _ε	P						M				K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01	
中等切削 Moderate		SNMG120404-PR	12.7	12.7	4.76	5.16	0.4					●											
		SNMG120408-PR	12.7	12.7	4.76	5.16	0.8					●											
		SNMG120412-PR	12.7	12.7	4.76	5.6	1.2					●											
		SNMM190608-PR	19.1	19.1	6.35	7.94	0.8				●												
		SNMM190612-PR	19.1	19.1	6.35	7.94	1.2				●												
		SNMM190616-PR	19.1	19.1	6.35	7.94	1.6				●												
		SNMM250724-PR	25.4	25.4	9.12	7.94	2.4				●												
		SNMM250924-PR	25.4	25.4	9.12	7.94	2.4				●												
		SNMG190612	19.1	19.1	6.35	7.94	1.2				●				●						●		
		SNMG190616	19.1	19.1	6.35	7.94	1.6				●				●						●		
精加工·半精加工 Finishing-Semi finishing		SNMG120404-HA	12.7	12.7	4.76	5.16	0.4										●						
		SNMG120408-HA	12.7	12.7	4.76	5.16	0.8										●						
半精加工 Semi finishing		SNMG120404-MM	12.7	12.7	4.76	5.16	0.4									●	●						
		SNMG120408-MM	12.7	12.7	4.76	5.16	0.8									●	●						
		SNMG120412-MM	12.7	12.7	4.76	5.16	0.8									●	●						
		SNMG120404-HS	12.7	12.7	4.76	5.16	0.4											●					
		SNMG120408-HS	12.7	12.7	4.76	5.16	0.8											●					
半精切削 Semi finishing		SNMG120404L-S	12.7	12.7	4.76	5.16	0.4											●					
		SNMG120408L-S	12.7	12.7	4.76	5.16	0.8											●					
		SNMG120412L-S	12.7	12.7	4.76	5.16	1.2											●					
		SNMG120404R-S	12.7	12.7	4.76	5.16	0.4											●					
		SNMG120408R-S	12.7	12.7	4.76	5.16	0.8											●					
		SNMG120412R-S	12.7	12.7	4.76	5.16	1.2											●					
半精加工·粗加工 finishing-roughing		SNMG120404-GS	12.7	12.7	4.76	5.16	0.4											●					
		SNMG120408-GS	12.7	12.7	4.76	5.16	0.8											●					
		SNMG120412-GS	12.7	12.7	4.76	5.16	1.2											●					
精加工·半精加工 Finishing-Semi finishing		SNMG120404-CF														●	●						
		SNMG120408-CF														●	●						

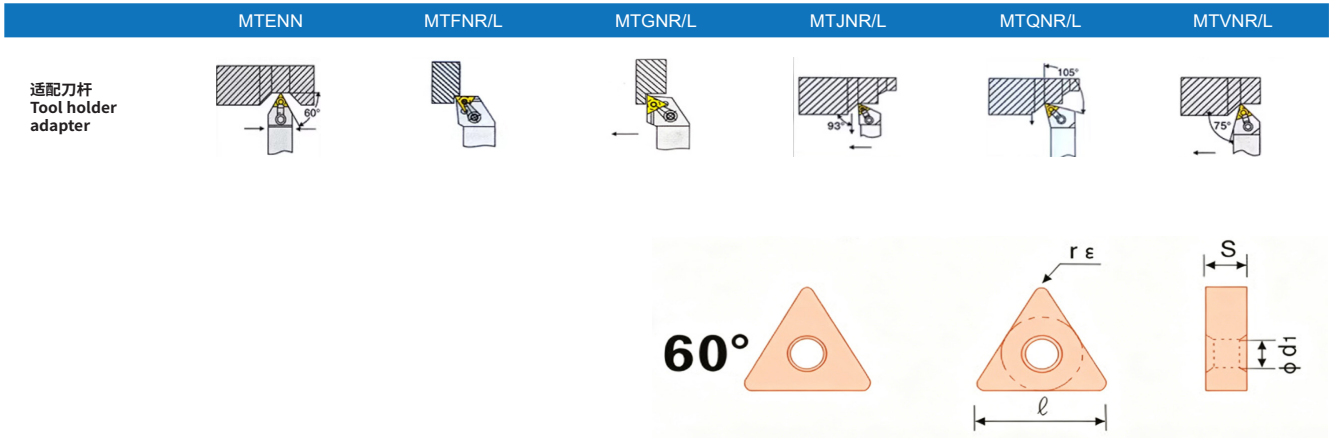
刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			ℓ	φl.C	S	φd ₁	r _ε	P							M			K		N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
中等切削 Moderate		SNMG120404-MA	12.7	12.7	4.76	5.16	0.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</

车削刀片（负前角） TN** 系列 Turning Insert (Negative)

产品优点： Product Advantages:

1. 60°三角形车削刀片，超细晶粒硬质合金制造，抗冲击强，适配精密车削场景。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

1. 60° triangular turning inserts, made of ultra-fine grain cemented carbide, with strong impact resistance, suitable for precision turning scenarios.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material																
			ℓ	φl.C	S	φd ₁	r _ε	P						M					K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01			
精加工-半精加工 Finishing-Semi finishing		TNMG160404-HQ	16.5	9.525	4.76	3.81	0.4					●												
		TNMG160408-HQ	16.5	9.525	4.76	3.81	0.8					●												
		TNMG160412-HQ	16.5	9.525	4.76	3.81	1.2					○												
		TNMG110404-HQ	11	6.35	4.76	2.26	0.4						●											
		TNMG110408-HQ	11	6.35	4.76	2.26	0.8						●											
		TNMG160404-HQ	16.5	9.525	4.76	3.81	0.4							●										
		TNMG160408-HQ	16.5	9.525	4.76	3.81	0.8							●										
		TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4						●											
		TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8						●											
		TNMG160412-CQ	16.5	9.525	4.76	3.81	1.2						○											
		TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4						●											
		TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8						●											
		TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4								●									
	TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8								●										
半精加工 Semi finishing		TNMG160404-PP	16.5	9.525	4.76	3.81	0.4	●	●															
		TNMG160408-PP	16.5	9.525	4.76	3.81	0.8	●	●															
		TNMG160412-PP	16.5	9.525	4.76	3.81	1.2	●	●															
		TNMG160404-TM	16.5	9.525	4.76	3.81	0.4					●												
		TNMG160408-TM	16.5	9.525	4.76	3.81	0.8					●												
		TNMG160412-TM	16.5	9.525	4.76	3.81	1.2					●												
		TNMG160404-TM	16.5	9.525	4.76	3.81	0.4							●										
		TNMG160408-TM	16.5	9.525	4.76	3.81	0.8							●										

刀片系列
INSERT SERIES

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material													
			ℓ	φI.C	S	φd ₁	r _ε	P					M					K		N	
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01
半精加工 Semi finishing		TNMG160404-CM	16.5	9.525	4.76	3.81	0.4				●										
		TNMG160408-CM	16.5	9.525	4.76	3.81	0.8				●										
		TNMG160412-CM	16.5	9.525	4.76	3.81	1.2				●										
		TNMG160404-CM	16.5	9.525	4.76	3.81	0.4					●									
		TNMG160408-CM	16.5	9.525	4.76	3.81	0.8					●									
		TNMG160412-CM	16.5	9.525	4.76	3.81	1.2					○									
		TNMG160404R-S	16.5	9.525	4.76	3.81	0.4				●										
		TNMG160404L-S	16.5	9.525	4.76	3.81	0.4				●										
		TNMG160408R-S	16.5	9.525	4.76	3.81	0.8				●										
		TNMG160408L-S	16.5	9.525	4.76	3.81	0.8				●										
		TNMG160404R-S	16.5	9.525	4.76	3.81	0.4					●									
		TNMG160408R-S	16.5	9.525	4.76	3.81	0.8					●									
		TNMG160412R-S	16.5	9.525	4.76	3.81	1.2					●									
		TNMG160404L-S	16.5	9.525	4.76	3.81	0.4					●									
		TNMG160408L-S	16.5	9.525	4.76	3.81	0.8					●									
		TNMG160412L-S	16.5	9.525	4.76	3.81	1.2					●									
		TNMG160404R-S	16.5	9.525	4.76	3.81	0.4						●								
		TNMG160408R-S	16.5	9.525	4.76	3.81	0.8						●								
																					
		TNMG160404L-S	16.5	9.525	4.76	3.81	0.4						●								
TNMG160408L-S		16.5	9.525	4.76	3.81	0.8						●									
半精加工 Semi finishing		TNMG160404-DZ	16.5	9.525	4.76	3.81	0.4	●	●												
		TNMG160408-DZ	16.5	9.525	4.76	3.81	0.8	●	●												
		TNMG160412-DZ	16.5	9.525	4.76	3.81	1.2	●	●												
		TNMG160404-PM	16.5	9.525	4.76	3.81	0.4				●										
		TNMG160408-PM	16.5	9.525	4.76	3.81	0.8				●										
		TNMG160412-PM	16.5	9.525	4.76	3.81	1.2				●										
		TNMG220408-PM	22	12.7	4.76	5.16	0.8				●										
		TNMG220412-PM	22	12.7	4.76	5.16	1.2				●										
		TNMG160408-PM	16.5	9.525	4.76	3.81	0.8					●									
		TNMG160412-PM	16.5	9.525	4.76	3.81	1.2					●									
TNMG220408-PM		22	12.7	4.76	5.16	0.8					●										
TNMG220412-PM		22	12.7	4.76	5.16	1.2					●										
半精加工粗加工 finishing-roughing		TNMG160404-43	16.5	9.525	4.76	3.81	0.4	●	●												
		TNMG160408-43	16.5	9.525	4.76	3.81	0.8	●	●												
		TNMG160412-43	16.5	9.525	4.76	3.81	1.2	●	●												
中步切削 Moderate		TNMG160404R/L-DL	16.5	9.525	4.76	3.81	0.4	●	●												
		TNMG160408R/L-DL	16.5	9.525	4.76	3.81	0.8	●	●												
		TNMG160412R/L-DL	16.5	9.525	4.76	3.81	1.2	●	●												
		TNMG160404-PR	16.5	9.525	4.76	3.81	0.4				●										
		TNMG160408-PR	16.5	9.525	4.76	3.81	0.8				●										
精密切削 Finishing		TNMG160412-PR	16.5	9.525	4.76	3.81	1.2				●										
		TNMG160404-MQ	16.5	9.525	4.76	3.81	0.4										●				
		TNMG160408-MQ	16.5	9.525	4.76	3.81	0.8										●				
		TNMG160412-MQ	16.5	9.525	4.76	3.81	1.2										●				
		TNMG160404-MQ	16.5	9.525	4.76	3.81	0.4											●			
		TNMG160408-MQ	16.5	9.525	4.76	3.81	0.8											●			

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material														
			ℓ	φI.C	S	φd ₁	r _ε	P						M			K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01	
精加工-半精加工 Finishing-Semi finishing		TNMG160404-CF	16.5	9.525	4.76	3.81	0.4								●	●						
		TNMG160408-CF	16.5	9.525	4.76	3.81	0.8								●	●						
		TNMG160404-SE	16.5	9.525	4.76	3.81	0.4								●	●						
		TNMG160408-SE	16.5	9.525	4.76	3.81	0.8								●	●						
		TNMG160412-SE	16.5	9.525	4.76	3.81	1.2								●	●						
		TNMG160404-HA	16.5	9.525	4.76	3.81	0.4										●					
		TNMG160408-HA	16.5	9.525	4.76	3.81	0.8										●					
		TNMG160412-HA	16.5	9.525	4.76	3.81	1.2										●					
		TNMG160404-HA	16.5	9.525	4.76	3.81	0.4												●			
		TNMG160408-HA	16.5	9.525	4.76	3.81	0.8												●			
半精加工-粗加工 Semi finishing-roughing																						
		TNMG160404-GS	16.5	9.525	4.76	3.81	0.4										●					
		TNMG160408-GS	16.5	9.525	4.76	3.81	0.8										●					
		TNMG160412-GS	16.5	9.525	4.76	3.81	1.2										●					
		TNMG160404-SM	16.5	9.525	4.76	3.81	0.4								●	●						
		TNMG160408-SM	16.5	9.525	4.76	3.81	0.8								●	●						
半精加工 Semi finishing		TNMG160412-SM	16.5	9.525	4.76	3.81	1.2								●	●						
		TNMG160404-MM	16.5	9.525	4.76	3.81	0.4								●	●						
		TNMG160408-MM	16.5	9.525	4.76	3.81	0.8								●	●						
		TNMG160412-MM	16.5	9.525	4.76	3.81	1.2								●	●						
		TNMG160404-HS	16.5	9.525	4.76	3.81	0.4										●					
		TNMG160408-HS	16.5	9.525	4.76	3.81	0.8										●					
		TNMG160412-HS	16.5	9.525	4.76	3.81	1.2										●					
半精切削 Semi finishing		TNMG160404-HS	16.5	9.525	4.76	3.81	0.4										●					
		TNMG160408-HS	16.5	9.525	4.76	3.81	0.8										●					
		TNMG160412-HS	16.5	9.525	4.76	3.81	1.2										●					
		TNMG160404-HS	16.5	9.525	4.76	3.81	0.4											●				
		TNMG160408-HS	16.5	9.525	4.76	3.81	0.8											●				
中档切削 Moderate		TNMG160404R-S	16.5	9.525	4.76	3.81	0.4											●				
		TNMG160408R-S	16.5	9.525	4.76	3.81	0.8											●				
		TNMG160404R-S	16.5	9.525	4.76	3.81	0.4											●				
		TNMG160408R-S	16.5	9.525	4.76	3.81	0.8											●				
		TNMG160404L-S	16.5	9.525	4.76	3.81	0.4											●				
		TNMG160408L-S	16.5	9.525	4.76	3.81	0.8											●				
		TNMG160404-MA	16.5	9.525	4.76	3.81	0.4										●					
		TNMG160408-MA	16.5	9.525	4.76	3.81	0.8										●					
		TNMG160412-MA	16.5	9.525	4.76	3.81	1.2										●					
		TNMG160404-MA	16.5	9.525	4.76	3.81	0.4												●			
		TNMG160408-MA	16.5	9.525	4.76	3.81	0.8												●			
中档应用 Moderate		TNMG160404-MS	16.5	9.525	4.76	3.81	0.4												●			
		TNMG160408-MS	16.5	9.525	4.76	3.81	0.8												●			
		TNMG160404-MS	16.5	9.525	4.76	3.81	0.4												●			
		TNMG160408-MS	16.5	9.525	4.76	3.81	0.8												●			
		TNMG160412-MS	16.5	9.525	4.76	3.81	1.2												●			
		TNMG160404-MS	16.5	9.525	4.76	3.81	0.4													●		
		TNMG160408-MS	16.5	9.525	4.76	3.81	0.8													●		
		TNMG160412-MS	16.5	9.525	4.76	3.81	1.2													●		
		TNMG160404-MS	16.5	9.525	4.76	3.81	0.4														●	
	TNMG160408-MS	16.5	9.525	4.76	3.81	0.8														●		

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material													
			l	$\phi I.C$	S	ϕd_1	r_ϵ	P						M			K		N		
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01
中等强度 Moderate		TNMG160404-JMS	16.5	9.525	4.76	3.81	0.4									●	●				
		TNMG160408-JMS	16.5	9.525	4.76	3.81	0.8									●	●				
		TNMG160412-JMS	16.5	9.525	4.76	3.81	1.2									●	●				
		TNMG160404-JMS	16.5	9.525	4.76	3.81	0.4										●				
		TNMG160408-JMS	16.5	9.525	4.76	3.81	0.8										●				
																		●			
		TNMG160404R/L-DL	16.5	9.525	4.76	3.81	0.4						●	●							
		TNMG160408R/L-DL	16.5	9.525	4.76	3.81	0.8						●	●							
		TNMG160412R/L-DL	16.5	9.525	4.76	3.81	1.2						●	●							
		TNMG160404-MU	16.5	9.525	4.76	3.81	0.4						●	●							
		TNMG160408-MU	16.5	9.525	4.76	3.81	0.8						●	●							
		TNMG160412-MU	16.5	9.525	4.76	3.81	1.2						●	●							
		TNMG160404	16.5	9.525	4.76	3.81	0.4												●		
		TNMG160408	16.5	9.525	4.76	3.81	0.8												●		
		TNMG160412	16.5	9.525	4.76	3.81	1.2												●		
		TNMG220408	22	12.7	4.76	5.16	0.8												●		
		TNMG220412	22	12.7	4.76	5.16	1.2												●		
		TNMG220416	22	12.7	4.76	5.16	1.6												●		
		TNMA160404	16.5	9.525	4.76	3.81	0.4												●		
		TNMA160408	16.5	9.525	4.76	3.81	0.8												●		
		TNMA160412	16.5	9.525	4.76	3.81	1.2												●		
		TNMA220408	22	12.7	4.76	5.16	0.8												●		
		TNMA220412	22	12.7	4.76	5.16	1.2												●		
		TNMA220416	22	12.7	4.76	5.16	1.6												●		
		TNMG220408-KM	22	12.7	4.76	5.16	0.8												●		
		TNMG220412-KM	22	12.7	4.76	5.16	1.2												●		
		TNMG220416-KM	22	12.7	4.76	5.16	1.6												●		
	精加工·半精加工 Finishing·Semi finishing		TNMG160402-TF3	16.5	9.525	4.76	3.81	0.2													●
TNMG160404-TF3			16.5	9.525	4.76	3.81	0.4													●	
TNMG160408-TF3			16.5	9.525	4.76	3.81	0.8													●	
		TNMG160402-HA	16.5	9.525	4.76	3.81	0.2													●	
		TNMG160404-HA	16.5	9.525	4.76	3.81	0.4													●	
		TNMG160408-HA	16.5	9.525	4.76	3.81	0.8													●	

车削刀片（负前角）WN** 系列 Turning Insert (Negative)

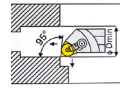
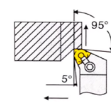
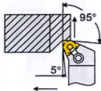
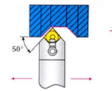
产品优点： Product Advantages:

1. 80°菱形车削刀片，采用超细晶粒硬质合金，硬度高、抗冲击强，适配多种材质车削。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

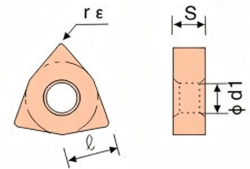
1. 80° rhombic turning inserts, made of ultra-fine grain cemented carbide, with high hardness and strong impact resistance, suitable for turning various materials.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

MWENN	MWLNRL	WWLNRL	ZWLNRL	MWLNRL
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适配刀杆
Tool holder
adapter



80°



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material																
			ℓ	φl.C	S	φd ₁	r _ε	P						M					K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01		
精加工-半精加工 Finishing-Semi finishing		WNGM080404-HQ	8.7	12.7	4.76	5.16	0.4					●												
		WNGM080408-HQ	8.7	12.7	4.76	5.16	0.8					●												
		WNGM080412-HQ	8.7	12.7	4.76	5.16	1.2					●												
		WNGM080404-HQ	8.7	12.7	4.76	5.16	0.4						●											
		WNGM080408-HQ	8.7	12.7	4.76	5.16	0.8						●											
		WNGM080404-HQ	8.7	12.7	4.76	5.16	0.4							●										
		WNGM080408-HQ	8.7	12.7	4.76	5.16	0.8							●										
			WNGM080404-CQ	8.7	12.7	4.76	5.16	0.4					●											
半精加工 Semi finishing		WNGM080408-CQ	8.7	12.7	4.76	5.16	0.8					●												
		WNGM080412-CQ	8.7	12.7	4.76	5.16	1.2					●												
		WNGM080404-CQ	8.7	12.7	4.76	5.16	0.4						●											
		WNGM080408-CQ	8.7	12.7	4.76	5.16	0.8						●											
		WNGM080412-CQ	8.7	12.7	4.76	5.16	1.2						●											
		WNGM080404-PP	8.7	12.7	4.76	5.16	0.4			●														
		WNGM080408-PP	8.7	12.7	4.76	5.16	0.8			●														
		WNGM080412-PP	8.7	12.7	4.76	5.16	1.2			●														
		WNGM080404-TM	8.7	12.7	4.76	5.16	0.4				●													
		WNGM080408-TM	8.7	12.7	4.76	5.16	0.8				●													
		WNGM080412-TM	8.7	12.7	4.76	5.16	1.2				●													
		WNGM080404-TM	8.7	12.7	4.76	5.16	0.4					●												
		WNGM080408-TM	8.7	12.7	4.76	5.16	0.8					●												
		WNGM080412-TM	8.7	12.7	4.76	5.16	1.2					●												
		WNGM080404-TM	8.7	12.7	4.76	5.16	0.4						●											
		WNGM080408-TM	8.7	12.7	4.76	5.16	0.8						●											
	WNGM080412-TM	8.7	12.7	4.76	5.16	1.2						●												

刀片系列
INSERT SERIES

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material																											
			ℓ	φI.C	S	φd ₁	r _ε	P						M				K		N															
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01													
半精切削 Semi finishing		WNGM080404-CM	8.7	12.7	4.76	5.16	0.4					●																							
		WNGM080408-CM	8.7	12.7	4.76	5.16	0.8					●																							
		WNGM080412-CM	8.7	12.7	4.76	5.16	1.2					●																							
		WNGM080404-L	8.7	12.7	4.76	5.16	0.4						●																						
		WNGM080408-L	8.7	12.7	4.76	5.16	0.8							●																					
		WNGM080412-L	8.7	12.7	4.76	5.16	1.2								●																				
		WNGM080404-R	8.7	12.7	4.76	5.16	0.4						●																						
		WNGM080408-R	8.7	12.7	4.76	5.16	0.8						●																						
		WNGM080412-R	8.7	12.7	4.76	5.16	1.2						●																						
		WNGM060404-L	8.7	12.7	4.76	5.16	0.4							●																					
		WNGM060408-L	8.7	12.7	4.76	5.16	0.8								●																				
		WNGM060412-L	8.7	12.7	4.76	5.16	1.2									●																			
		WNGM080404-R	8.7	12.7	4.76	5.16	0.4							●																					
		WNGM080408-R	8.7	12.7	4.76	5.16	0.8							●																					
		WNGM080412-R	8.7	12.7	4.76	5.16	1.2							●																					
		WNGM080404-L	8.7	12.7	4.76	5.16	0.4							●																					
		WNGM080408-L	8.7	12.7	4.76	5.16	0.8								●																				
																●																			
		WNGM080404-R	8.7	12.7	4.76	5.16	0.4								●																				
		WNGM080408-R	8.7	12.7	4.76	5.16	0.8									●																			
																	●																		
		WNGM080404-MT	8.7	12.7	4.76	5.16	0.4									●																			
		WNGM080408-MT	8.7	12.7	4.76	5.16	0.8										●																		
																		●																	
		WNGM080404-PM	8.7	12.7	4.76	5.16	0.4							●																					
		WNGM080408-PM	8.7	12.7	4.76	5.16	0.8								●																				
		WNGM080412-PM	8.7	12.7	4.76	5.16	1.2									●																			
		WNGM080404-PM	8.7	12.7	4.76	5.16	0.4										●																		
		WNGM080408-PM	8.7	12.7	4.76	5.16	0.8											●																	
																			●																
		WNGM080408-PM	8.7	12.7	4.76	5.16	0.8											●																	
		WNGM080412-PM	8.7	12.7	4.76	5.16	1.2																												

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material																	
			ℓ	φI.C	S	φd ₁	r _ε	P						M				K		N					
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01			
中等切削 Moderate		WNMG080408-ZM	8.7	12.7	4.76	5.6	0.8								●										
		WNMG080412-ZM	8.7	12.7	4.76	5.16	1.2								●										
		WNMG080404-TF	8.7	12.7	4.76	5.16	0.4								●										
		WNMG080408-TF	8.7	12.7	4.76	5.16	0.8								●										
精密切削 Finishing		WNMG080404-MQ	8.7	12.7	4.76	5.16	0.4												●						
		WNMG080408-MQ	8.7	12.7	4.76	5.16	0.8												●						
		WNMG080412-MQ	8.7	12.7	4.76	5.16	1.2												●						
精加工-半精加工 Finishing-Semi finishing		WNMG080404-CF	8.7	12.7	4.76	5.16	0.4								●	●									
		WNMG080408-CF	8.7	12.7	4.76	5.16	0.8								●	●									
		WNMG080404-SE	8.7	12.7	4.76	5.16	0.4								●	●									
		WNMG080408-SE	8.7	12.7	4.76	5.16	0.8								●	●									
		WNMG080412-SE	8.7	12.7	4.76	5.16	1.2								●	●									
		WNMG080404-HA	8.7	12.7	4.76	5.6	0.4											●							
		WNMG080408-HA	8.7	12.7	4.76	5.16	0.8											●							
		WNMG080412-HA	8.7	12.7	4.76	5.16	1.2											○							
		WNMG080404-HA	8.7	12.7	4.76	5.16	0.4												●						
		WNMG080408-HA	8.7	12.7	4.76	5.16	0.8												●						
半精加工 Semi finishing		WNMG080404-SM	8.7	12.7	4.76	5.16	0.4								●	●									
		WNMG080408-SM	8.7	12.7	4.76	5.16	0.8								●	●									
		WNMG080412-SM	8.7	12.7	4.76	5.16	1.2								●	●									
		WNMG080404-MM	8.7	12.7	4.76	5.16	0.4								●	●									
		WNMG080408-MM	8.7	12.7	4.76	5.16	0.8								●	●									
		WNMG080412-MM	8.7	12.7	4.76	5.16	1.2								●	●									
		WNMG080404-GS	8.7	12.7	4.76	5.16	0.4											●							
		WNMG080408-GS	8.7	12.7	4.76	5.16	0.8											●							
		WNMG080404-HS	8.7	12.7	4.76	5.16	0.4											●							
WNMG080408-HS		8.7	12.7	4.76	5.16	0.8											●								
WNMG080412-HS		8.7	12.7	4.76	5.16	1.2											●								
半精切削 Semi finishing		WNMG080404-HS	8.7	12.7	4.76	5.16	0.4												●						
		WNMG080408-HS	8.7	12.7	4.76	5.16	0.8												●						
		WNMG080404L-S	8.7	12.7	4.76	5.16	0.4												●						
		WNMG080408L-S	8.7	12.7	4.76	5.16	0.8												●						
中等切削 Moderate		WNMG080404R-S	8.7	12.7	4.76	5.16	0.4											●							
		WNMG080408R-S	8.7	12.7	4.76	5.16	0.8												●						
		WNMG080404-MU	8.7	12.7	4.76	5.16	0.4									●	●								
WNMG080408-MU		8.7	12.7	4.76	5.16	0.8									●	●									
WNMG080412-MU		8.7	12.7	4.76	5.16	1.2									●	●									
中等切削 Moderate		WNMG080404R/L-DL	8.7	12.7	4.76	5.16	0.4								●	●									
		WNMG080408R/L-DL	8.7	12.7	4.76	5.16	0.8									●	●								
		WNMG080412R/L-DL	8.7	12.7	4.76	5.16	1.2									●	●								

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)						适合加工材质 Acceptable Material																			
			ℓ	φI.C	S	φd ₁	r _ε	P							M				K		N							
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01						
中等切削 Moderate		WNNMG080404-MA	8.7	12.7	4.76	5.16	0.4											●										
		WNNMG080408-MA	8.7	12.7	4.76	5.16	0.8											●										
		WNNMG080412-MA	8.7	12.7	4.76	5.16	1.2											●										
		WNNMG080404-MA	8.7	12.7	4.76	5.16	0.4														●							
		WNNMG080408-MA	8.7	12.7	4.76	5.16	0.8														●							
		WNNMG080404-MM	8.7	12.7	4.76	5.16	0.4														●							
		WNNMG080408-MM	8.7	12.7	4.76	5.16	0.8														●							
		WNNMG080404-MM	8.7	12.7	4.76	5.16	0.4														●							
		WNNMG080408-MM	8.7	12.7	4.76	5.16	0.8														●							
		WNNMG080404-MS	8.7	12.7	4.76	5.16	0.4												●									
		WNNMG080408-MS	8.7	12.7	4.76	5.16	0.8												●									
		WNNMG080412-MS	8.7	12.7	4.76	5.6	1.2												●									
		WNNMG080404-MS	8.7	12.7	4.76	5.16	0.4													●								
		WNNMG080408-MS	8.7	12.7	4.76	5.16	0.8													●								
		WNNMG080404-MS	8.7	12.7	4.76	5.16	0.4														●							
		WNNMG080408-MS	8.7	12.7	4.76	5.16	0.8														●							
		WNNMG080404-JMS	8.7	12.7	4.76	5.16	0.4																			●		
		WNNMG080408-JMS	8.7	12.7	4.76	5.16	0.8																			●		
		WNNMG080412-JMS	8.7	12.7	4.76	5.16	1.2																			●		
		WNNMG080404-JMS	8.7	12.7	4.76	5.16	0.4													●								
		WNNMG080408-JMS	8.7	12.7	4.76	5.16	0.8													●								
		WNNMG080404-MS	8.7	12.7	4.76	5.16	0.4																			●		
	WNNMG080408-MS	8.7	12.7	4.76	5.16	0.8																			●			
	WNNMG080412-MS	8.7	12.7	4.76	5.16	1.2																			●			
	WNNMG080404	8.7	12.7	4.76	5.16	0.4																			●			
	WNNMG080408	8.7	12.7	4.76	5.16	0.8																			●			
	WNNMG080412	8.7	12.7	4.76	5.16	1.2																			●			
	WNNMG080404-KM	8.7	12.7	4.76	5.16	0.4														●								
	WNNMG080408-KM	8.7	12.7	4.76	5.16	0.8															●							
	WNNMG080412-KM	8.7	12.7	4.76	5.16	1.2														●								
精加工-半精加工 Finishing-Semi finishing		WNNMG080402-TF3	8.7	12.7	4.76	5.16	0.2																			●		
		WNNMG080404-TF3	8.7	12.7	4.76	5.16	0.4																			●		
		WNNMG080408-TF3	8.7	12.7	4.76	5.16	0.8																			●		
		WNNMG080402-HA	8.7	12.7	4.76	5.16	0.2																			●		
		WNNMG080404-HA	8.7	12.7	4.76	5.16	0.4																			●		
		WNNMG080408-HA	8.7	12.7	4.76	5.16	0.8																			●		

车削刀片（负前角）VN** 系列 Turning Insert (Negative)

产品特点: Product Advantages:

1. 35°菱形车削刀片, 超细晶粒硬质合金材质, 超高硬度搭配优异抗冲击韧性, 适配通用车削工况。
2. 适配多种被加工材质, 提供灵活的槽型选型方案。
3. 覆盖不同工况, 多种材质与涂层组合, 随心选配。

1. 35° rhombic turning inserts, made of ultra-fine grain cemented carbide, with ultra-high hardness and excellent impact toughness, suitable for general turning conditions.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

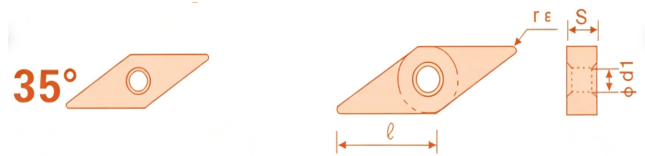
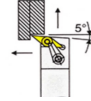
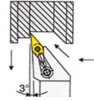
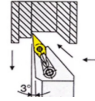
MVJNR/L

MVQNR/L

MVUNR/L

MVVNN

适配刀杆
Tool holder
adapter



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material															
			l	φl.C	S	φd ₁	r _e	P					M					K		N			
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01	
精加工·半精加工 Finishing·Semi Finishing		VNMG160404-HQ	16.6	9.525	4.76	3.81	0.4					●											
		VNMG160408-HQ	16.6	9.525	4.76	3.81	0.8					●											
		VNMG160412-HQ	16.6	9.525	4.76	3.81	1.2					●											
半精切削 Semi finishing		VNMG160404-40°	16.6	9.525	4.76	3.81	0.4		●														
		VNMG160404-38°	16.6	9.525	4.76	3.81	0.4		●														
		VNMG160404-37°	16.6	9.525	4.76	3.81	0.4		●														
		VNMG160404-35°	16.6	9.525	4.76	3.81	0.4		●														
		VNMG120404-PP	16.6	9.525	4.76	3.81	0.4			●													
		VNMG120408-PP	16.6	9.525	4.76	3.81	0.8			●													
		VNMG120412-PP	16.6	9.525	4.76	3.81	1.2			●													
		VNMG160404-TM	16.6	9.525	4.76	3.81	0.4				●												
		VNMG160408-TM	16.6	9.525	4.76	3.81	0.8				●												
		VNMG160412-TM	16.6	9.525	4.76	3.81	1.2					○											
半精加工 Semi finishing		VNMG160404-TM	16.6	9.525	4.76	3.81	0.4					●											
		VNMG160408-TM	16.6	9.525	4.76	3.81	0.8					●											
		VNMG160412-TM	16.6	9.525	4.76	3.81	1.2					○											
		VNMG16404-DZ	16.6	9.525	4.76	3.81	0.4		●	●													
		VNMG160408-DZ	16.6	9.525	4.76	3.81	0.8		●	●													
		VNMG160412-DZ	16.6	9.525	4.76	3.81	1.2		●	●													
	VNMG160404-PM	16.6	9.525	4.76	3.81	0.4					●												
	VNMG160408-PM	16.6	9.525	4.76	3.81	0.8					●												
半精加工·粗加工 Finishing·Semi roughing		VNMG160404-41	16.6	9.525	4.76	3.81	0.4	●	●														
		VNMG160408-41	16.6	9.525	4.76	3.81	0.8	●	●														
		VNMG160412-41	16.6	9.525	4.76	3.81	1.2	●	●														

刀片系列
INSERT SERIES

刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material																	
			ℓ	φI.C	S	φd ₁	r _ε	P						M				K		N					
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01			
中砂切削 Moderate		VNMG160404-MA	16.6	9.525	4.76	3.81	0.4											●							
		VNMG160408-MA	16.6	9.525	4.76	3.81	0.8											●							
		VNMG160404-MS	16.6	9.525	4.76	3.81	0.4											●							
		VNMG160408-MS	16.6	9.525	4.76	3.81	0.8											●							
VNMG160412-MS		16.6	9.525	4.76	3.81	1.2											○								
精刃+半精加工 Finishing-Semi		VNMG160404-CF	16.6	9.525	4.76	3.81	0.4									●	●								
		VNMG160408-CF	16.6	9.525	4.76	3.81	0.8									●	●								
精刃+ Finishing		VNMG160404-HA	16.6	9.525	4.76	3.81	0.4										●								
		VNMG160408-HA	16.6	9.525	4.76	3.81	0.8										●								
半精加工 Semi finishing		VNMG160404-HS	16.6	9.525	4.76	3.81	0.4										●								
		VNMG160408-HS	16.6	9.525	4.76	3.81	0.8										●								
		VNMA160404	16.6	9.525	4.76	3.81	0.4														●				
		VNMA160408	16.6	9.525	4.76	3.81	0.8														●				
		VNMA160412	16.6	9.525	4.76	3.81	1.2														●				
中砂切削 Moderate		VNMG160404-MS	16.6	9.525	4.76	3.81	0.4															●			
		VNMG160408-MS	16.6	9.525	4.76	3.81	0.8															●			
		VNMG160404	16.6	9.525	4.76	3.81	0.4															●			
		VNMG160408	16.6	9.525	4.76	3.81	0.8															●			
精刃+半精加工 Finishing-Semi		VNMG160402-HA	16.6	9.525	4.76	3.81	0.2																●		
		VNMG160404-HA	16.6	9.525	4.76	3.81	0.4																●		
		VNMG160408-HA	16.6	9.525	4.76	3.81	0.8																●		

车削刀片（正前角）CC** 系列 Turning Insert(Positive)

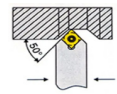
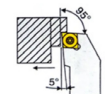
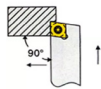
产品优点： Product Advantages:

1. 80°菱形内孔车削刀片，超细晶粒硬质合金，适配内孔车削，耐磨且稳定性好。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

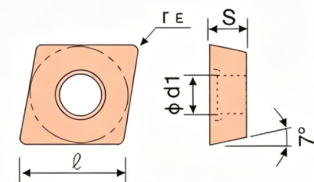
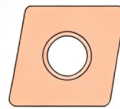
1. 80° rhombic internal turning inserts, made of ultra-fine grain cemented carbide, suitable for internal hole turning, wear-resistant and stable.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

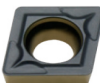
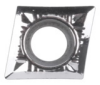
SCACR/L	SCBCR/L	SCFCR/L	SCKCR/L	SCLCR/L	SCMCN
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适配刀杆
Tool holder
adapter



80°



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material													
			l	φI.C	S	φd ₁	r _ε	P						M				K		N	
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018
精加工-半精加工 Finishing-Semi finishing		CCMT060204-GM	6.4	6.35	2.38	2.8	0.4	●		●											
		CCMT060208-GM	6.4	6.35	2.38	2.8	0.8	●		●											
		CCMT09T302-GM	9.7	9.525	3.97	4.4	0.4	●		●											
		CCMT09T308-GM	9.7	9.525	3.97	4.4	0.8	●		●											
		CCMT120404-GM	12.9	12.7	4.76	5.56	0.4	●		●											
		CCMT120408-GM	12.9	12.7	4.76	5.56	0.8	●		●											
		CCMT060204-MP	6.4	6.35	2.38	2.8	0.4	●	●						●	●				●	
		CCMT060208-MP	6.4	6.35	2.38	2.8	0.8	●	●						●	●				●	
		CCMT09T304-MP	9.7	9.525	3.97	4.4	0.4	●	●						●	●				●	
		CCMT09T308-MP	9.7	9.525	3.97	4.4	0.8	●	●						●	●				●	
		CCMT120404-MP	12.9	12.7	4.76	5.56	0.4	●	●						●	●				●	
		CCMT120408-MP	12.9	12.7	4.76	5.56	0.8	●	●						●	●				●	
		CCMT060204-MSS	6.4	6.35	2.38	2.8	0.4								●	●					
		CCMT060208-MSS	6.4	6.35	2.38	2.8	0.8								●	●					
		CCMT09T304-MSS	9.7	9.525	3.97	4.4	0.4								●	●					
		CCMT09T308-MSS	9.7	9.525	3.97	4.4	0.8								●	●					
		CCGT120402-AK	12.9	12.7	4.76	5.56	0.2														●
		CCGT120404-AK	12.9	12.7	4.76	5.56	0.4														●
CCGT120408-AK		12.9	12.7	4.76	5.56	0.8														●	

刀片系列
INSERT SERIES

车削刀片（正前角）DC** 系列
 Turning Insert(Positive)

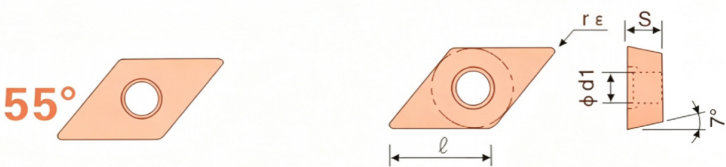
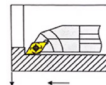
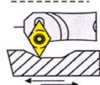
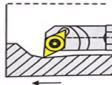
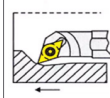
产品优点：
 Product
 Advantages:

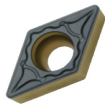
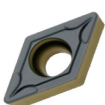
1. 55°菱形内孔车削刀片，超细晶粒硬质合金材质，内孔车削专用，抗崩刃能力强。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

1. 55° rhombic internal turning inserts, made of ultra-fine grain cemented carbide, dedicated to internal hole turning, with strong chipping resistance.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

	SDQCR/L	SDUCR/L	SDWCR/L	SDXCR/L	SDZCR/L
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适配刀杆
 Tool holder
 adapter



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material												
			ℓ	φl.C	S	φd ₁	r _ε	P						M				K		N
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215
精加工-半精加工 Finishing-Semi finishing		DCMT070204-GM	7.8	6.35	2.8	2.38	0.4	●		●										
		DCMT070208-GM	7.8	6.35	2.8	2.38	0.8	●		●										
		DCMT11T304-GM	11.6	9.525	4.4	3.97	0.4	●		●										
		DCMT11T308-GM	11.6	9.525	4.4	3.97	0.8	●		●										
		DCMT070204-MP	7.8	6.35	2.8	2.8	0.4	●	●						●	●			●	
		DCMT070208-MP	7.8	6.35	2.8	2.38	0.8	●	●						●	●			●	
		DCMT11T304-MP	11.6	9.525	4.4	3.97	0.4	●	●						●	●			●	
		DCMT11T308-MP	11.6	9.525	4.4	3.97	0.8	●	●						●	●			●	
		DCMT070204-MV	7.8	6.35	2.8	2.38	0.4								●	●				
		DCMT070208-MV	7.8	6.35	2.8	2.38	0.8								●	●				
		DCMT11T304-MV	11.6	9.525	4.4	3.97	0.4								●	●				
		DCMT11T308-MV	11.6	9.525	4.4	3.97	0.8								●	●				
		DCGT070202-AK	7.8	6.35	2.8	2.8	0.2													●
		DCGT070204-AK	7.8	6.35	2.8	2.8	0.4													●
		DCGT070208-AK	7.8	6.35	2.8	2.38	0.8													●
		DCGT11T302-AK	11.6	9.525	4.4	3.97	0.2													●
		DCGT11T304-AK	11.6	9.525	4.4	3.97	0.4													●
		DCGT11T308-AK	11.6	9.525	4.4	3.97	0.8													●

车削刀片（正前角）TC** 系列 Turning Insert(Positive)

产品优点: Product Advantages:

1. 90°偏角车削刀片，超细晶粒硬质合金，偏角车削专用，耐磨、抗冲击。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

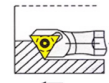
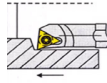
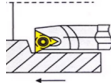
1. 90° offset angle turning inserts, made of ultra-fine grain cemented carbide, dedicated to offset angle turning, wear-resistant and impact-resistant.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

STFCR/L

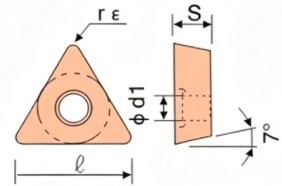
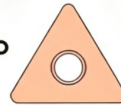
STUCR/L

STWCR/L

适配刀杆
Tool holder
adapter



60°



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)						适合加工材质 Acceptable Material											
			l	φl.C	S	φd ₁	r _ε	P						M				K		N
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215
精加工-半精加工 Finishing-Semi finishing		TCMT110204-GM	11	6.35	2.8	2.38	0.4	●		●										
		TCMT110208-GM	11	6.35	2.8	2.38	0.8	●		●										
		TCMT16T304-GM	16.5	9.525	4.4	3.97	0.4	●		●										
		TCMT16T308-GM	16.5	9.525	4.4	3.97	0.8	●		●										
		TCMT110204-MP	11	5.56	2.8	2.38	0.4	●	●						●	●			●	
		TCMT110208-MP	11	5.56	2.8	2.38	0.8	●	●						●	●			●	
		TCMT16T304-MP	16.5	9.525	4.4	3.97	0.4	●	●						●	●			●	
		TCMT16T308-MP	16.5	9.525	4.4	3.97	0.8	●	●						●	●			●	
		TCMT090204-MSS	9.6	5.56	2.6	2.38	0.4								●	●				
		TCMT090208-MSS	9.6	5.56	2.6	2.38	0.8								●	●				
		TCMT110204-MSS	11	6.35	2.8	2.38	0.4								●	●				
		TCMT110208-MSS	11	6.35	2.8	2.38	0.8								●	●				
		TCGT090202-AK	9.6	5.56	2.6	2.38	0.2													●
		TCGT090204-AK	9.6	5.56	2.6	2.38	0.4													●
		TCGT090208-AK	9.6	5.56	2.6	2.38	0.8													●
		TCGT110202-AK	11	6.35	2.8	2.38	0.2													●
		TCGT110204-AK	11	6.35	2.8	2.38	0.4													●
		TCGT110208-AK	11	6.35	2.8	2.38	0.8													●
		TCGT16T302-AK	16.5	9.525	4.4	3.97	0.2													●
		TCGT16T304-AK	16.5	9.525	4.4	3.97	0.4													●
		TCGT16T308-AK	16.5	9.525	4.4	3.97	0.8													●

刀片系列
INSERT SERIES

车削刀片（正前角）SC** 系列
 Turning Insert(Positive)

产品优点：
 Product
 Advantages:

1. 正方形内孔车削刀片，超细晶粒硬质合金，适配各类内孔车削，精度高、寿命长。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

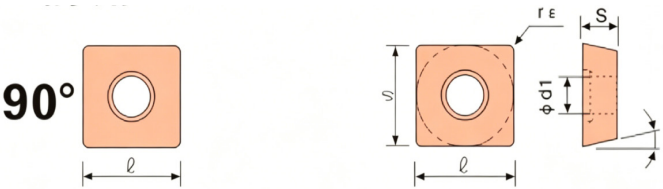
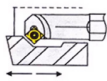
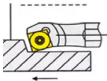
1. Square internal turning inserts, made of ultra-fine grain cemented carbide, suitable for various internal hole turning, high precision and long service life.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

适配刀杆

SSKCR/L

SSKCR/L

适配刀杆
 Tool holder
 adapter



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material													
			ℓ	$\phi I.C$	S	ϕd_1	r_ϵ	P						M				K		N	
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018
精加工-半精加工 Finishing-Semi finishing		SCMT09T304-MP	9.525	9.525	4.4	3.97	0.4	●	●						●	●			●		
		SCMT09T308-MP	9.525	9.525	4.4	3.97	0.8	●	●						●	●			●		
		SCMT120404-MP	12.7	12.7	5.5	4.76	0.4	●	●						●	●			●		
		SCMT120408-MP	12.7	12.7	5.5	4.76	0.8	●	●						●	●			●		
		SCMT09T304-GM	9.525	9.525	4.4	3.97	0.4	●		●											
		SCMT09T308-GM	9.525	9.525	4.4	3.97	0.8	●		●											
		SCMT120404-GM	12.7	12.7	5.5	4.76	0.4	●		●											
		SCMT120408-GM	12.7	12.7	5.5	4.76	0.8	●		●											
		SCGT09T302-AK	9.525	9.525	4.4	3.97	0.2														●
		SCGT09T304-AK	9.525	9.525	4.4	3.97	0.4														●
		SCGT09T308-AK	9.525	9.525	4.4	3.97	0.8														●
		SCGT120404-AK	12.7	12.7	5.5	4.76	0.4														●
		SCGT120408-AK	12.7	12.7	5.5	4.76	0.8														●

车削刀片（正前角）VB** 系列

Turning Insert(Positive)

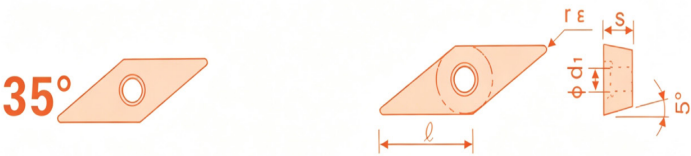
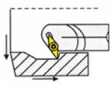
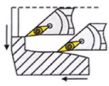
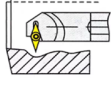
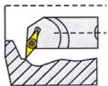
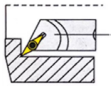
产品优点:
Product
Advantages:

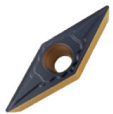
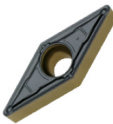
1. 90°偏角车削刀片，超细晶粒硬质合金，偏角车削专用，耐磨、抗冲击。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

1. 90° offset angle turning inserts, made of ultra-fine grain cemented carbide, dedicated to offset angle turning, wear-resistant and impact-resistant.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

	SVQBR/L	SVUBR/L	SVWBR/L	SVXBR/L	SVZBR/L
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适配刀杆
Tool holder
adapter



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)					适合加工材质 Acceptable Material															
			ℓ	φl.C	S	φd ₁	rε	P						M					K		N		
								MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9810(G)	MS5018	MS5118	MS518	MS7215	MS2018	MS01	
精加工 Finishing		VBMT160404-GM	16.5	9.525	4.4	3.18	0.4	●		●													
		VBMT160408-GM	16.5	9.525	4.4	4.76	0.8	●		●													
		VBMT160404-MV	16.5	9.525	4.4	3.18	0.4	●		●													
		VBMT160408-MV	16.5	9.525	4.4	4.76	0.8	●		●													
		VBMT11T304-MV	11	6.35	2.8	3.97	0.4	●							●	●							
		VBMT11T308-MV	11	6.35	2.8	3.97	0.4	●							●	●							
		VBMT160404-MV	16.5	9.525	4.4	4.76	0.4	●							●	●							
		VBMT160408-MV	16.5	9.525	4.4	4.76	0.8	●							●	●							

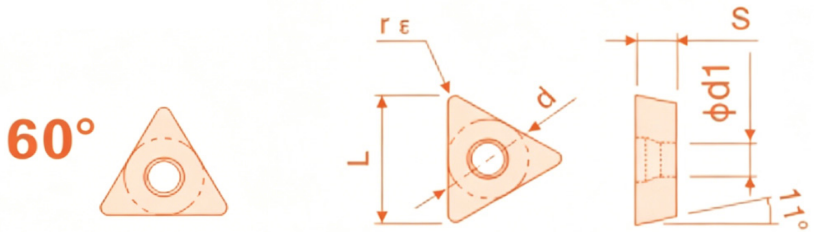
刀片系列

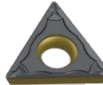
INSERT SERIES

车削刀片（正前角）TP** 系列
 Turning Insert(Positive)

产品优点：
 Product
 Advantages:

1. 正方形内孔车削刀片，超细晶粒硬质合金，适配各类内孔车削，精度高、寿命长。
 2. 适配多种被加工材质，提供灵活的槽型选型方案。
 3. 覆盖不同工况，多种材质与涂层组合，随心选配。
1. Square internal turning inserts, made of ultra-fine grain cemented carbide, suitable for various internal hole turning, high precision and long service life.
 2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
 3. Covering different working conditions, with a variety of material and coating combinations for customizable options.



刀片外形 Insert Shape		型号 Model	尺寸 Size (mm)				适合加工材质 Acceptable Material															
			φl.C	S	φd1	rε	P						M				K		N			
							MS4200	MS4400	MS4600	MS8018	MS8218	MS8118	MS818	MS9815(G)	MS9028	MS5018	MS5118	MS518	MS7215	MS2018	MS01	
半精加工 Semi finishing		TPMT080204N-SU	4.97	2.38	2.5	0.4										●						●
		TPMT080208N-SU	4.97	2.38	2.5	0.8										●						●
		TPMT080204-R1.5	4.97	2.38	2.5	0.4										●						●
		TPMT080208-R1.5	4.97	2.38	2.5	0.8										●						●
		TPMT080202R/L	4.97	2.38	2.5	0.2					●						●					
		TPMT080204R/L	4.97	2.38	2.5	0.4					●						●					
		TPMT090202R/L	5.56	2.38	2.6	0.2					●						●					
		TPMT090204R/L	5.56	2.38	2.6	0.4					●						●					
		TPMT110202R/L	6.35	2.38	2.8	0.2					●						●					
		TPMT110204R/L	6.35	2.38	2.8	0.4					●						●					
		TPMT110302R/L	6.35	3.18	3.4	0.2					●						●					
		TPMT110304R/L	6.35	3.18	3.4	0.4					●						●					
		TPMT160304R/L	9.525	3.97	4.4	0.4																
		TPMT160308R/L	9.525	3.97	4.4	0.8																

切槽刀片 M*** 系列
Grooving Insert

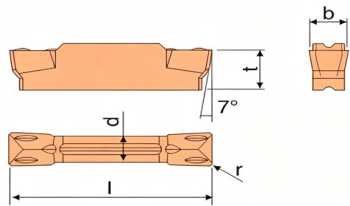
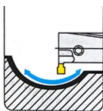
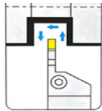
产品优点:
Product
Advantages:

- 1. 切槽刀片, 超细晶粒硬质合金, 适配中浅槽、切断及端面槽加工, 适配多种材质。
- 2. 适配多种被加工材质, 提供灵活的槽型选型方案。
- 3. 覆盖不同工况, 多种材质与涂层组合, 随心选配。

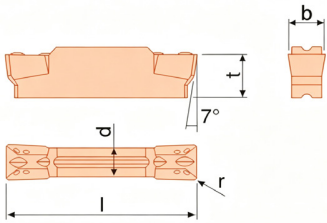
- 1. Grooving inserts, made of ultra-fine grain cemented carbide, suitable for medium and shallow groove, cutting and face groove machining, adaptable to various materials.
- 2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
- 3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

MGEHR/L	MGIVR/L	MGHH
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适配刀杆
Tool holder
adapter

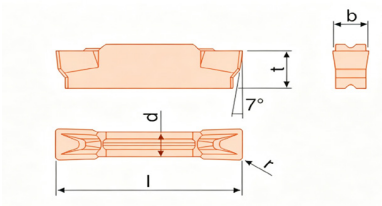


刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material								
			b	r	l	d	t	P		M	K	N	General			
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A(G)	MS8805A(G)	MHA
切槽 Grooving		MGMN150-G	1.5	0.15	16	1.2	3.5	●	●	●	●	●	●			●
		MGMN200-G	2	0.2	16	1.6	3.5	●	●	●	●	●	●			●
		MGMN250-G	2.5	0.2	18.5	2	3.85	●	●	●	●	●	●			●

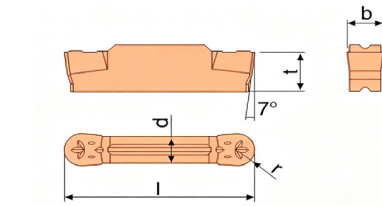


刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material								
			b	r	l	d	t	P		M	K	N	General			
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A(G)	MS8805A(G)	MHA
端面槽 Grooving Turning		MGMN300-M	3	0.4	21	2.35	4.8	●	●	●	●		●			●
		MGMN400-M	4	0.4	21	3.3	4.8	●	●	●	●		●			●
		MGMN500-M	5	0.4	26	4.1	5.8	●	●	●	●		●			●
		MGMN600-M	6	0.8	26	5	5.8	●	●	●	●		●			●

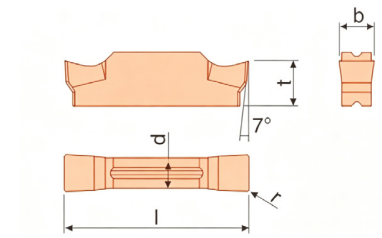
刀片系列
INSERT SERIES



刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material								
			b	r	l	d	t	P		M	K	N	General			
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A (G)	MS8805A (G)	MHA
Grooving 切槽		MGMN200-T	2	0.2	16	1.6	3.5	●	●	●	●		●			●
		MGMN300-T	3	0.4	21	2.35	4.8	●	●	●	●		●			●
		MGMN400-T	4	0.4	21	3.3	4.8	●	●	●	●		●			●
		MGMN500-T	5	0.4	26	4.1	5.8	●	●	●	●		●			●



刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material								
			b	r	l	d	t	P		M	K	N	General			
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A(G)	MS8805A(G)	MHA
切槽 	MRMN200-M	2	1	16	1.6	3.5	●	●	●	●		●				●
	MRMN300-M	3	1.5	21	2.35	4.8	●	●	●	●		●				●
	MRMN400-M	4	2	21	3.3	4.8	●	●	●	●		●				●
	MRMN500-M	5	2.5	26	4.1	5.8	●	●	●	●		●				●
	MRMN600-M	6	3	26	5	5.8	●	●	●	●		●				●



刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material								
			b	r	l	d	t	P		M	K	N	General			
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A(G)	MS8805A(G)	MHA
Grooving 切槽		MGGN150	1.5	0.15	16	1.2	3.5			●			●	●		
		MGGN200	2	0.2	16	1.6	3.5			●			●	●		
		MGGN250	2.5	0.2	18.5	2	3.85			●			●	●		
		MGGN300	3	0.4	21	2.35	4.8			●			●	●		
		MGGN400	4	0.4	21	3.3	4.8			●			●	●		
		MGGN500	5	0.4	26	4.1	5.8			●			●	●		

切槽刀片 GR 系列 Grooving Insert

产品优点: Product Advantages:

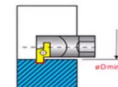
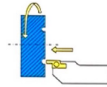
1. 切槽刀片，超细晶粒硬质合金，适配内外圆、内孔切槽及切断。
2. 适配多种被加工材质，提供灵活的槽型选型方案。
3. 覆盖不同工况，多种材质与涂层组合，随心选配。

1. Grooving inserts, made of ultra-fine grain cemented carbide, suitable for internal and external grooving, internal hole grooving and cutting.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

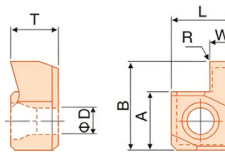
SGER/L

SNGR/L

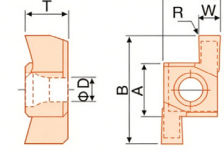
适配刀杆
Tool holder
adapter



图A 单头
Fig. A Single-head



图B 双头
Fig. B Double-head



刀片外形 Insert Shape		型号 Model	尺寸 size (mm)							适合加工材质 Acceptable Material									
			W	A	B	T	φD	L	R	P		M	K	N	General				
										MS4200	MS8018				MS5018	MS7215	MS01	MS2010	MS8030A(G)
 	6GR/L 100	1	4.76	6.44	2.34	2.3	5.56	0.2				●					●		●
	6GR/L 150	1.5	4.76	6.44	2.34	2.3	5.56	0.2				●					●		●
	6GR/L 200	2	4.76	6.44	2.34	2.3	5.56	0.2				●					●		●
	7GR/L 100	1	5.56	7.36	3.08	2.58	5.56	0.2				●					●		●
	7GR/L 150	1.5	5.56	7.36	3.08	2.58	5.56	0.2				●					●		●
	7GR/L 200	2	5.56	7.36	3.08	2.58	5.56	0.2				●					●		●
	8GR/L 100	1	5.56	10.16	3.87	2.58	6.15	0.2				●					●		●
	8GR/L 150	1.5	5.56	10.16	3.87	2.58	6.15	0.2				●					●		●
	8GR/L 200	2	5.56	10.16	3.87	2.58	6.15	0.2				●					●		●
	8GR/L 250	2.5	5.56	10.16	3.87	2.58	6.15	0.2				●					●		●
	8GR/L 300	3	5.56	10.16	3.87	2.58	6.15	0.2				●					●		●
	8GR/L 350	3.5	5.56	10.16	3.87	2.58	6.15	0.2				●					●		●
	9GR/L 100	1	6.35	12.95	4.66	2.86	7.74	0.2				●					●		●
	9GR/L 150	1.5	6.35	12.95	4.66	2.86	7.74	0.2				●					●		●
	9GR/L 200	2	6.35	12.95	4.66	2.86	7.74	0.2				●					●		●
	9GR/L 250	2.5	6.35	12.95	4.66	2.86	7.74	0.2				●					●		●
	9GR/L 300	3	6.35	12.95	4.66	2.86	7.74	0.2				●					●		●
	9GR/L 350	3.5	6.35	12.95	4.66	2.86	7.74	0.2				●					●		●

刀片系列
INSERT SERIES

浅槽刀 TGF 系列
 Grooving Insert

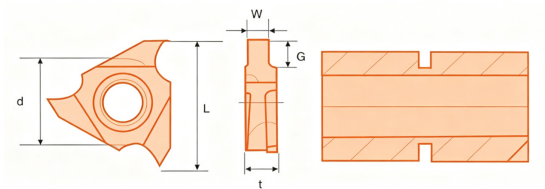
产品优点：
 Product
 Advantages:

1. 浅槽刀，超细晶粒硬质合金，适配卡簧槽等浅槽加工，排屑顺畅、不易崩刃。
 2. 适配多种被加工材质，提供灵活的槽型选型方案。
 3. 覆盖不同工况，多种材质与涂层组合，随心选配。
1. Shallow groove inserts, made of ultra-fine grain cemented carbide, suitable for various shallow groove machining such as circlip grooves, smooth chip evacuation and not easy to chip.
 2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
 3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

KTGFER/L

SGTR/L

适配刀杆
 Tool holder
 adapter



刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material									
			L	W	G	d	t	P		M	K	N	General				
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A(G)	MS8805A(G)	MHA	
	TGF32R075	9.525	3.81	3.65	0.75	2				●					●		●
	TGF32R095	9.525	3.81	3.65	0.95	2				●					●		●
	TGF32R100	9.525	3.81	3.65	1	2.2				●					●		●
	TGF32R110	9.525	3.81	3.65	1.1	2.2				●					●		●
	TGF32R120	9.525	3.81	3.65	1.2	2.2				●					●		●
	TGF32R125	9.525	3.81	3.65	1.25	2.2				●					●		●
	TGF32R130	9.525	3.81	3.65	1.3	2.2				●					●		●
	TGF32R140	9.525	3.81	3.65	1.4	2.2				●					●		●
	TGF32R150	9.525	3.81	3.65	1.5	2.4				●					●		●
	TGF32R175	9.525	3.81	3.65	1.75	2.4				●					●		●
	TGF32R200	9.525	3.81	3.65	2	2.7				●					●		●
	TGF32R210	9.525	3.81	3.65	2.1	2.7				●					●		●
	TGF32R220	9.525	3.81	3.65	2.2	2.7				●					●		●
	TGF32R230	9.525	3.81	3.65	2.3	2.7				●					●		●
	TGF32R240	9.525	3.81	3.65	2.4	2.7				●					●		●
	TGF32R250	9.525	3.81	3.65	2.5	3				●					●		●
	TGF32R300	9.525	3.81	3.65	3	3				●					●		●

ISO 标准型螺纹刀片 ISO Standard Threading Insert

产品优点: Product Advantages:

1. 螺纹刀片, 超细晶粒硬质合金, 适配钢、不锈钢等多材质, 符合 ISO 精度标准。
2. 适配多种被加工材质, 提供灵活的槽型选型方案。
3. 覆盖不同工况, 多种材质与涂层组合, 随心选配。

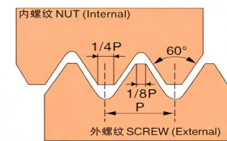
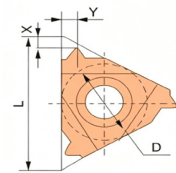
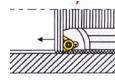
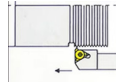
1. Thread inserts, made of ultra-fine grain cemented carbide, suitable for various materials such as steel and stainless steel, meeting ISO accuracy standards.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.

SER

SNR

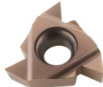
MER

适配刀杆
Tool holder
adapter



刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material								
			D	L	X	Y	Pitch	P		M	K	N	General			
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A(G)	MS805A(G)	MHA
外螺纹 External		11ER0.50 ISO	1/4"	11	0.6	0.6	0.5			●				●		●
		11ER0.75 ISO	1/4"	11	0.6	0.6	0.75			●				●		●
		11ER1.00 ISO	1/4"	11	0.7	0.7	1			●				●		●
		11ER1.25 ISO	1/4"	11	0.8	0.9	1.25			●				●		●
		11ER1.50 ISO	1/4"	11	0.8	1	1.5			●				●		●
		11ER1.75 ISO	1/4"	11	0.8	1.1	1.75			●				●		●
		16ER0.50 ISO	3/8"	16	0.6	0.6	0.5			●				●		●
		16ER0.75 ISO	3/8"	16	0.6	0.7	0.75			●				●		●
		16ER1.00 ISO	3/8"	16	0.7	0.8	1			●				●		●
		16ER1.25 ISO	3/8"	16	0.8	0.9	1.25			●				●		●
		16ER1.50 ISO	3/8"	16	0.8	1	1.5			●				●		●
		16ER1.75 ISO	3/8"	16	0.9	1.2	1.75			●				●		●
		16ER2.00 ISO	3/8"	16	1	1.3	2			●				●		●
		16ER2.50 ISO	3/8"	16	1.1	1.5	2.5			●				●		●
		16ER3.00 ISO	3/8"	16	1.2	1.6	3			●				●		●
		22ER3.50 ISO	1/2"	22	1.6	2.3	3.5			●				●		●
		22ER4.00 ISO	1/2"	22	1.6	2.3	4			●				●		●
		22ER4.50 ISO	1/2"	22	1.7	2.4	4.5			●				●		●
		22ER5.00 ISO	1/2"	22	1.7	2.5	5			●				●		●
		27ER5.50 ISO	5/8"	27	1.9	2.7	5.5			●				●		●
		27ER6.00 ISO	5/8"	27	2	2.9	6			●				●		●

刀片系列
INSERT SERIES

刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material								
			D	L	X	Y	Pitch	P		M	K	N	General			
								MS4200	MS8018	MS5018	MS7215	MS01	MS2010	MS8030A(G)	MS8805A(G)	MHA
内孔式 Internal		11IR0.50 ISO	1/4"	11	0.6	0.6	0.5			●				●		●
		11IR0.75 ISO	1/4"	11	0.6	0.6	0.75			●				●		●
		11IR1.00 ISO	1/4"	11	0.6	0.7	1			●				●		●
		11IR1.25 ISO	1/4"	11	0.8	0.9	1.25			●				●		●
		11IR1.50 ISO	1/4"	11	0.8	1	1.5			●				●		●
		11IR1.75 ISO	1/4"	11	0.9	1.1	1.75			●				●		●
		11IR2.00 ISO	1/4"	11	1	1.3	2			●				●		●
		16IR0.50 ISO	3/8"	16	0.6	0.6	0.5			●				●		●
		16IR0.75ISO	3/8"	16	0.6	0.6	0.75			●				●		●
		16IR1.00 ISO	3/8"	16	0.6	0.7	1			●				●		●
		16IR1.25 ISO	3/8"	16	0.8	0.9	1.25			●				●		●
		16IR1.50 ISO	3/8"	16	0.8	1	1.5			●				●		●
		16IR1.75 ISO	3/8"	16	0.9	1.2	1.75			●				●		●
		16IR2.00 ISO	3/8"	16	1	1.3	2			●				●		●
		16IR2.50 ISO	3/8"	16	1.1	1.5	2.5			●				●		●
		16IR3.00 ISO	3/8"	16	1.1	1.5	3			●				●		●
		22IR3.50 ISO	1/2"	22	1.6	2.3	3.5			●				●		●
		22IR4.00 ISO	1/2"	22	1.6	2.3	4			●				●		●
		22IR4.50 ISO	1/2"	22	1.6	2.4	4.5			●				●		●
		22IR5.00 ISO	1/2"	22	1.6	2.5	5			●				●		●
		27IR5.50 ISO	5/8"	27	1.9	2.7	5.5			●				●		●
		27IR6.00 ISO	5/8"	27	2	2.9	6			●				●		●

A	P	M	T
1	2	3	4

铣刀片命名规则 Milling Insert Naming Rules

1- 形状 Shape / 代号 Code

A	H	M	O	R	S	T	Z	X
								特殊 Special
85°	120°	86°	135°	360°	90°	60°	66°	

2- 主刀切削后角 Main Cutting Edge Back Angle

C	D	E	F	G	N	P	O
							其他后角 Additional Back Angle
7°	15°	20°	25°	30°	0°	11°	

3- 公差 Tolerance

等级 Grade	单位 Unit	内切圆直径 d Inner Cutting Circle Diameter d	刀尖高度 m Tip Height m	厚度 s Thickness s
A	mm	±0.025	±0.005	±0.025
C	mm	±0.025	±0.013	±0.025
E	mm	±0.025	±0.025	±0.025
F	mm	±0.013	±0.005	±0.025
G	mm	±0.025	±0.025	±0.130
H	mm	±0.013	±0.013	±0.025
J	mm	*	±0.005	±0.025
K	mm	*	±0.013	±0.025
L	mm	*	±0.025	±0.025
M	mm	*	*	±0.127

· 详见右表
· Refer to the table on the right for details

形状 Shape: C.E.H.M.O.R.S.T.R.W				
IC	d		m	
	J.K.L.M.N	U	M.N	U
4.76	±0.05	±0.08	±0.08	±0.13
5.56	±0.05	±0.08	±0.08	±0.13
6	±0.05	±0.08	±0.08	±0.13
6.35	±0.05	±0.08	±0.08	±0.13
7.94	±0.05	±0.08	±0.08	±0.13
8	±0.05	±0.08	±0.08	±0.13
9.525	±0.05	±0.08	±0.08	±0.13
10	±0.05	±0.08	±0.08	±0.13
12	±0.08	±0.13	±0.13	±0.2
12.7	±0.08	±0.13	±0.13	±0.2
15.875	±0.1	±0.18	±0.15	±0.27
16	±0.1	±0.18	±0.15	±0.27
19.05	±0.1	±0.18	±0.15	±0.27
20	±0.1	±0.18	±0.15	±0.27
25	±0.13	±0.25	±0.18	±0.38
25.4	±0.13	±0.25	±0.18	±0.38

M&N 级 M&N Level	D 形 D Shape		V 形 V Shape	
IC	d	m	d	m
5.56	±0.05	±0.11		
6.35	±0.05	±0.11	±0.05	±0.16
7.94	±0.05	±0.11	±0.05	±0.16
9.525	±0.05	±0.11	±0.05	±0.16
12.7	±0.08	±0.15	±0.08	±0.2
15.875	±0.10	±0.18	±0.10	±0.27

4- 加固形式 Reinforcement Form

A	B	C	F	G	H	J	M
							
N	Q	R	T	U	W	X	
						特殊 Special	
	40°-60°		40°-60°	40°-60°	40°-60°		

16	04	PD	E	R	-	H
5	6	7	8	9	-	10

铣刀片命名规则 Milling Insert Naming Rules

5- 切削刃长度 Cutting Edge Length							
内切圆直径 Inner Cutting Circle Diameter(mm)	刀片形状 Insert Shape						
	H	M	O	R	S	T	Z
3.180						05	
3.970						06	
5.000				05			
5.560				06			
6.000							
6.350						11	
8.000				08			
9.525				09	09	16	
10.000				10			
12.000				12			
12.700			04	12	12	22	
15.875				15	15	27	
16.000			05	16			
19.050				19	19	33	
20.000				20			
25.000				25			
25.400				25	25		
31.750				31			
32.000				32			

7- 刀尖圆角与修光刃 Tip Arc and Honed Edge

00= 锋利 Cutting Edge	16=1.6	48=4.8
01=0.1	20=2.0	56=5.6
02=0.2	24=2.4	64=6.4
04=0.4	28=2.8	X= 其他 Other
12=1.2	40=4.0	

圆刀片: **MO** 表示公制直径尺寸
Round Inserts: **MO** denotes metric diameter size.

①

① 主偏角 (主切削刃角度) (Kr)
Primary Clearance Angle (main cutting edge angle) (Kr)
A=45
D=60
E=75
F=85
P=90

②

② 修光刃后角 (n)
Honed Edge Back Angle (n)
A=3
B=5
C=7
D=15
E=20
F=25
G=30
N=0
P=11

6- 厚度 Thickness	
	01=1.59
	T1=1.98
	02=2.38
	T2=2.78
	03=3.18
	T3=3.97
	04=4.76
	05=5.56
	06=6.35
	07=7.94
	09=9.525

8- 切削刃形状 Cutting Edge Shape			
F	E		
锋利切削刃 Sharp Cutting Edge	圆角处理切削刃 Rounded Edge Cutting Blade		
T	K		
负倒棱 Negative Bevel	双重负倒棱 Double Negative Bevel		
S	P		
负倒棱和圆角处理切削刃 Negative Bevel with Rounded Edge Cutting Blade	双重负倒棱和圆角处理切削刃 Double Negative Bevel with Rounded Edge Cutting Blade		

9- 切削方向 Cutting Direction	
右手刀片 Right-Hand Insert	左手刀片 Left-Hand Insert
中置刀片 Centered Insert	

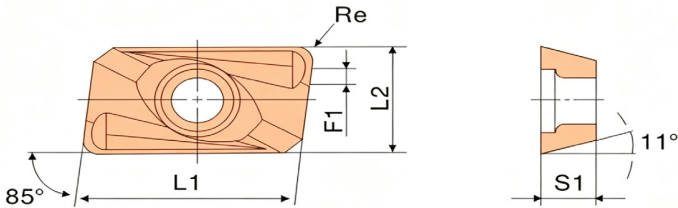
10- 断屑槽 Chip-Breaking Groove

铣刀片 AP** 系列
Milling Insert

产品优点:
Product
Advantages:

1. 铣刀片, 超细晶粒硬质合金, 适配面铣、肩铣、斜坡铣削, 精度高。
2. 适配多种被加工材质, 提供灵活的槽型选型方案。
3. 覆盖不同工况, 多种材质与涂层组合, 随心选配。

1. Milling inserts, made of ultra-fine grain cemented carbide, suitable for face milling, shoulder milling and ramp milling, high precision.
2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
3. Covering different working conditions, with a variety of material and coating combinations for customizable options.



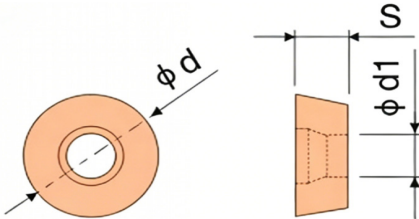
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material										
			L1	L2	S1	F1	Re	P		M		K	N	General				
								MS4200	MS8018	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA		
		APMT1135PDER	11	6.35	3.5	1.5	0.8										●	
		APMT1604PDER	17.5	9.525	4.76	1.7	0.8										●	
		APMT1135PDER-H2	11	6.35	3.5	1.5	0.8				●	●					●	●
		APMT1604PDER-H2	17.5	9.525	4.76	1.7	0.8				●	●					●	●
		APMT1135PDER-M2	11	6.35	3.5	1.5	0.8				●	●					●	●
		APMT1604PDER-M2	17.5	9.525	4.76	1.7	0.8				●	●					●	●
		APMT1135PDER-HM	11	6.35	3.5	1.5	0.8										●	
		APMT1604PDER-HM	17.5	9.525	4.76	1.7	0.8										●	
		APKT11T304-PM	12	6.5	3.6	1.5	0.4									●		
		APKT11T308-PM	12	6.5	3.6	1.5	0.8									●		
		APKT113502-MA	11	6.35	3.5	1.5	0.2							●				
		APKT113504-MA	11	6.35	3.5	1.5	0.4							●				
		APKT160402-MA	17.5	9.525	4.76	1.7	0.2							●				
		APKT160404-MA	17.5	9.525	4.76	1.7	0.4							●				
		APKT160408-MA	17.5	9.525	4.76	1.7	0.8							●				
		APKT113502-G2	11	6.35	3.5	1.5	0.2							●				
		APKT113504-G2	11	6.35	3.5	1.5	0.4							●				
		APKT113508-G2	11	6.35	3.5	1.5	0.8							●				
		APKT160404-G2	17.5	9.525	4.76	1.7	0.4							●				
		APKT160408-G2	17.5	9.525	4.76	1.7	0.8							●				

刀片系列
INSERT SERIES

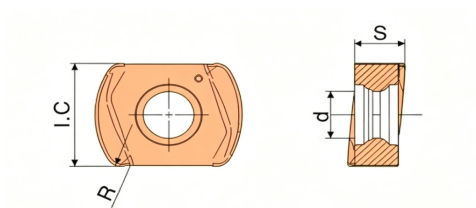
铣刀片（圆形正前角）
 Milling Insert(Round Positive)

产品优点：
 Product
 Advantages:

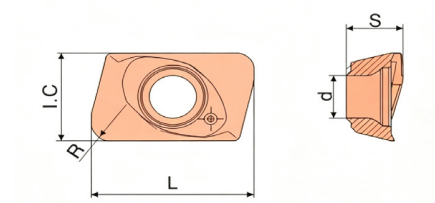
1. 铣刀片，超细晶粒硬质合金，适配面铣、肩铣、斜坡铣削，精度高。
 2. 适配多种被加工材质，提供灵活的槽型选型方案。
 3. 覆盖不同工况，多种材质与涂层组合，随心选配。
- 1.Milling inserts , made of ultra-fine grain cemented carbide, suitable for face milling, shoulder milling and ramp milling, high precision.
 2. Compatible with a variety of workpiece materials, providing flexible groove selection options.
 3. Covering different working conditions, with a variety of material and coating combinations for customizable options.



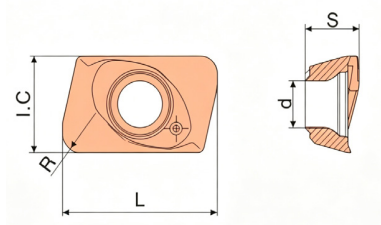
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)			适合加工材质 Acceptable Material								
			D1	S1	d	P		M		K	N	General		
						MS4200	MS8018	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
		RPMT10T3MO-TT	10	3.97	4.4			●						
		RPMT1204MO-TT	12	4.76	4.4			●	●					
		RPMT1606MO-TT	16	6.35	5.5			●						
		RPMW1003MO-FR	10	3.018	4.4								●	
		RPMW10T3MO-FR	10	3.97	4.4								●	
		RPMW1204MO-FR	12	4.76	4.4								●	
		RPMT10T3MO-FR	10	3.97	4.4								●	
		RPMT1204MO-FR	12	4.76	4.4								●	
		RPMW1003MO	10	3.18	4.4								●	
		RPMW10T3MO	10	3.97	4.4								●	
		RDMW1204MO	12	4.76	4.4								●	
		RDMW1605MO	16	5.56	5.5								●	
		RDMT1003MO-RL	10	3.18	4.4								●	
		RDMT10T3MO-RL	10	3.97	4.4								●	
		RDMT1204MO-RL	12	4.76	4.4								●	
		RPMT08T2MO-JS	8	2.78	3.5			●					●	
		RPMT10T3MO-JS	10	3.97	4.4			●					●	
	RPMT1204MO-JS	12	4.76	4.4			●					●		



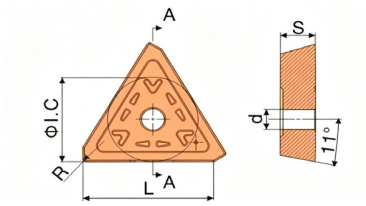
刀片外形 Insert Shape	型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material						
		L	I.C	S	d	r	P	M		K	N	General	
							MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)
	BLMP0603R-M	6.5	6.4	3.42	3.2	1	●						



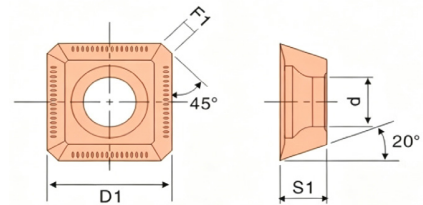
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material							
			L	I.C	S	d	r	P	M		K	N	General		
								MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	JDMT070204R	6.5	6.4	3.42	3.2	1	●		●						



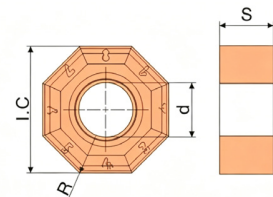
刀片外形 Insert Shape	型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material							
		L	I.C	S	d	R	P	M		K	N	General		
							MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	LNMU0303ZER-MJ	3.5	6	3.9	2.9	1.2		●	●			●	●	



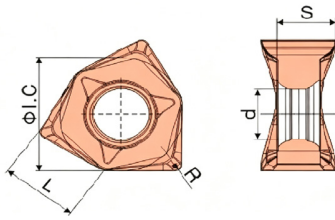
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material							
			L	I.C	S	d	R	P	M		K	N	General		
								MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	TPKN2204PDTR	12.5	4.76	4.76	2	1	●								



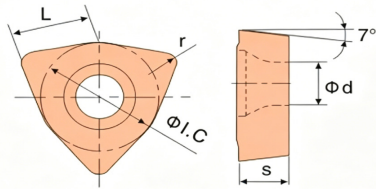
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)				适合加工材质 Acceptable Material							
			D1	d	S1	F1	P	M		K	N	General		
							MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	SEKT1204AFTN-XM	12.7	5.4	4.76	1.6		●					●	●	



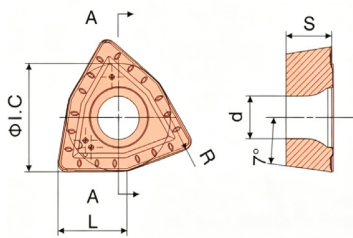
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)				适合加工材质 Acceptable Material							
			I.C	S	d	R	P	M		K	N	General		
							MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	ONMU050504	13	5.15	5.55	0.4	●								



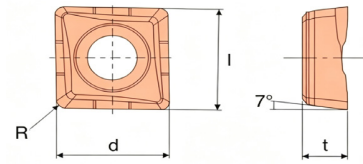
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material							
			L	I.C	S	d	R	P	M		K	N	General		
								MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	WNMU080608EN-GM	8.55	14	8.3	6.16	0.8	●								



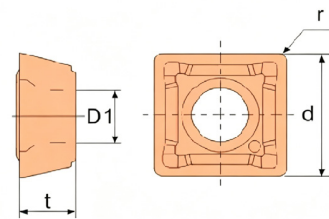
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material							
			L	ΦI.C	S	Φd	r	P	M		K	N	General		
								MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	WCMX030208-SF	3.8	5.56	2.38	2.8	0.8		●	●						
	WCMX040208-SF	4.3	6.35	2.38	3.1	0.8		●	●						
	WCMX050308-SF	5.4	7.94	3.18	3.2	0.8		●	●						
	WCMX06T308-SF	6.5	9.525	3.97	3.7	0.8		●	●						
	WCMX080412-SF	8.7	12.7	4.76	4.3	1.2		●	●						



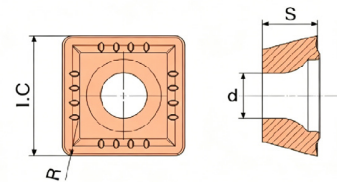
刀片外形 Insert Shape		型号 Model	尺寸 size (mm)					适合加工材质 Acceptable Material							
			L	φI.C	S	d	R	P	M		K	N	General		
								MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)	MHA
	WCMX030208-MF	3.8	5.56	2.38	2.8	0.8		●	●			●	●		
	WCMX040208-MF	4.3	6.35	2.38	3.1	0.8		●	●						
	WCMX050308-MF	5.4	7.94	3.18	3.2	0.8		●	●						
	WCMX06T308-MF	6.5	9.525	3.97	3.7	0.8		●	●						
	WCMX080412-MF	8.7	12.7	4.76	4.3	1.2		●	●						



刀片外形 Insert Shape	型号 Model	尺寸 size (mm)				适合加工材质 Acceptable Material						
		d	t	r	D1	P	M		K	N	General	
						MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)
	QCMT040104-CM	4.4	6.4	1.7	0.4		●					
	QCMT050204-CM	5.6	5.6	2.1	0.4		●					
	QCMT060204-CM	6.4	6.4	2.38	0.4		●					
	QCMT070304-CM	7.5	7.5	3.18	0.4		●					
	QCMT080304-CM	8.4	8.4	3.18	0.4		●					
	QCMT10T304-CM	10.5	10.5	3.97	0.4		●					



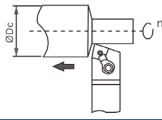
刀片外形 Insert Shape	型号 Model	尺寸 size (mm)				适合加工材质 Acceptable Material						
		d	t	R	D1	P	M		K	N	General	
						MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)
	SPMG050204-TG	5	2.38	0.4	2.25		●					●
	SPMG060204-TG	6	2.38	0.4	2.61		●					●
	SPMG07T308-TG	7.94	3.97	0.8	2.85		●					
	SPMG090408-TG	9.8	4.76	0.8	4.05		●					
	SPMG110408-TG	11.5	4.76	0.8	4.45		●					
	SPMG120408-TG	12.7	4.76	0.8	4.45		●					



刀片外形 Insert Shape	型号 Model	尺寸 size (mm)				适合加工材质 Acceptable Material						
		I.C	S	d	R	P	M		K	N	General	
						MS4200	MS5018	MS518	MS7215	MS01	MS2010	MS8030A(G)
	SPMG050204-DK	5	2.38	0.4	2.25		●	●				
	SPMG060204-DK	6	2.38	0.4	2.61		●	●				
	SPMG07T308-DK	7.94	3.97	0.8	2.85		●	●				
	SPMG090408-DK	9.8	4.76	0.8	4.05		●	●				
	SPMG110408-DK	11.5	4.76	0.8	4.45		●	●				

车削加工计算方法 Calculation Method For Turning Machining

• 切削速度 Cutting Speed



$$V_c = \frac{\pi * D_c * n}{1000} \quad (\text{m/min})$$

Vc: Cutting Speed (m/min)
π: Pi ≈ 3.14
Dc: Workpiece Diameter (mm)
n: Spindle Speed (rev/min)

• 进给速度 Feed Rate

$$V_f = f * n \quad (\text{mm/min})$$

Vf: Feed Rate (mm/min)
f: Feed per Revolution (mm/rev)
n: Spindle Speed (rev/min)

• 切削功率 Cutting Power

$$P_{\text{mot}} = \frac{K_c * V_c * a_p * f}{60000 * \eta} \quad (\text{KW})$$

Pmot: Cutting Power (KW)
Kc: Specific Cutting Force (N/mm²)
Vc: Cutting Speed (m/min)
ap: Depth of Cut (mm)
f: Feed per Revolution (mm/rev)
η: Mechanical Efficiency

• 切削厚度 Cutting Depth

$$h = f * \text{sinkr} \quad (\text{mm})$$

h: Cutting Depth (mm)
f: Feed per Revolution (mm/rev)

• 切削宽度 Cutting Width

$$b = \frac{a_p}{\text{sinkr}} \quad (\text{mm})$$

b: Cutting Width (mm)
ap: Depth of Cut (mm)

• 切削面积 Cutting Area

$$A = h * b = a_p * f \quad (\text{mm}^2)$$

A: Cutting Area (mm²)
ap: Depth of Cut (mm)
f: Feed per Revolution (mm/rev)

• 切削力 Cutting Force

$$F_c = K_c * a_p * f \quad (\text{N})$$

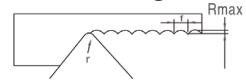
Fc: Cutting Force (N)
Kc: Specific Cutting Force (N/mm²)
ap: Depth of Cut (mm)
f: Feed per Revolution (mm/rev)

• 金属去除率 Metal Removal Rate

$$Q = a_p * f * V_c \quad (\text{cm}^3/\text{min})$$

Q: Metal Removal Rate (cm³/min)
ap: Depth of Cut (mm)
f: Feed per Revolution (mm/rev)
Vc: Cutting Speed (m/min)

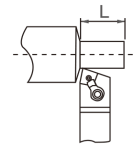
• 理论表面粗糙度 Theoretical Surface Roughness



$$R_{\text{max}} = \frac{f^2}{8 * r} * 1000 \quad (\mu\text{m})$$

Rmax: Theoretical Surface Roughness (μm)
f: Feed per Revolution (mm/rev)
r: Nose Radius (mm)

• 加工时间 Machining Time



$$T_c = \frac{L}{f * n} \quad (\text{min})$$

Tc: Machining Time (min)
f: Feed per Revolution (mm/rev)

铣削常用计算方法 Common Calculation Method For Milling

• 切削速度 Cutting Speed

$$V_c = \frac{\pi * D_c * n}{1000} \quad (\text{m/min})$$

Vc: Cutting Speed (m/min)
π: Pi ≈ 3.14
Dc: Nominal Diameter of the Milling Cutter (mm)
n: Spindle Speed (rev/min)

• 主轴转速 Spindle Speed

$$n = \frac{1000 * V_c}{\pi * D_c} \quad (\text{rev/min})$$

Vc: Cutting Speed (m/min)
π: Pi ≈ 3.14
Dc: Nominal Diameter of the Milling Cutter (mm)
n: Spindle Speed (rev/min)

• 进给速度 Feed Rate

$$V_f = f_z * n * Z \quad (\text{mm/min})$$

Vf: Feed Rate (mm/min)
fz: Feed per Tooth (mm/z)
n: Spindle Speed (rev/min)
Z: Number of Teeth

• 每齿进给量 Feed per Tooth

$$f_z = \frac{V_f}{n * Z} \quad (\text{mm/Z})$$

fz: Feed per Tooth (mm/z)
Vf: Feed Rate (mm/min)
n: Spindle Speed (rev/min)
Z: Number of Teeth

• 每转进给量 Feed per Revolution

$$f = \frac{V_f}{n} \quad (\text{mm/rev})$$

f: Feed per Revolution (mm/z)
Vf: Feed Rate (mm/min)

• 加工时间 Machining Time

$$T_c = \frac{L}{V_f} \quad (\text{min})$$

Tc: Machining Time (min)
L: Actual Travel Distance (mm)
Vf: Feed Rate (mm/min)

• 马力 Horsepower

$$H_p = \frac{P_{\text{mot}}}{0.75}$$

Hp: Horsepower
Pmot: Cutting Power (KW)

• 功率需求 Power Requirement

$$P_{\text{mot}} = \frac{a_p * a_e * V_f * K_c}{6 * 10^7 * \eta} \quad (\text{KW})$$

Pmot: Cutting Power (KW)
ap: Depth of Cut
ae: Width of Cut
Kc: Specific Cutting Force (N/mm²)
η: Machine Tool Efficiency Coefficient (0.7~0.95)

• 平均切削厚度 Average Cutting Depth

$$h_m = \frac{114.7 * f_z * \text{sink} * (a_e / D_c)}{\psi_s} \quad (\text{mm})$$

hm: Average Cutting Depth
fz: Feed per Tooth (mm/z)

• 进给力 Feed Force

Milling Cutter in Central Position

$$\psi_s = 2 * \arcsin \left(\frac{a_e}{D_c} \right) [^\circ]$$

Milling Cutter in Eccentric Position

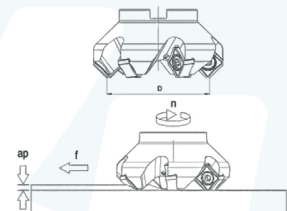
$$\psi_s = 90^\circ + \arcsin \frac{a_e - (D_c/2)}{(D_c/2)} [^\circ]$$

ψs: Pressure Angle
ae: Width of Cut
Dc: Nominal Diameter of the Milling Cutter (mm)

• 金属去除率 Metal Removal Rate

$$Q = \frac{a_p * a_e * V_f}{1000} \quad (\text{cm}^3/\text{min})$$

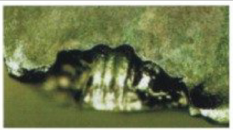
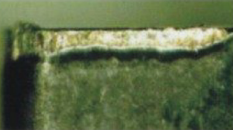
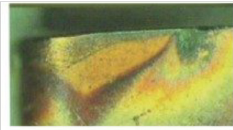
Q: Metal Removal Rate (cm³/min)
ap: Depth of Cut
ae: Width of Cut



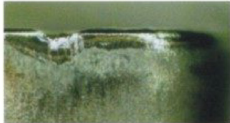
车削加工常见问题及应对方法
 Common Problems and Solutions in Turning Processing

常见问题 Common Problems	原因 Causes	解决方法 Solutions												
		工具材料 Tool material	切削条件 Cutting conditions				刀具形状 Tool shape					机床装夹 Machine clamping		
		硬度更高的材料 Use of harder materials	韧性更好的材料 Use of more ductile materials	切削速度 Cutting speed	进给 Feed	切深 Depth of cut	切削液 Cutting fluid	改变刀具槽型 Change insert slot type	前角 Rake angle	刀尖圆弧半径 Tip arc radius	主偏角 Primary clearance angle	切削刃强度 Cutting edge arc precision	提高刀具精度 Improve insert shank rigidity	增强刀具刚性 Enhance tool holder
加工中精度超标 Exceeding precision standards during machining	后刀面磨损增大 Increased wear on the flank face	√												
	切削条件不适合 Unsuitable cutting conditions													
表面质量差 Poor surface quality	刀具磨损增大、刀刃不够锋利 Increased wear on the flank face, dull cutting edge	√					√					√		
	切削刃缺损 Wear on the cutting edge		√					√						√
	切削刃几何形状不合适 Unsuitable cutting edge geometry							√				√		
	切削条件不适合 Unsuitable cutting conditions						√							
	振动，发颤 Vibration, chatter		√				√	√					√	√
	积屑瘤 Built-up edge						√	√				√		
切削热的影响 Influence of cutting heat	切削条件不适合 Unsuitable cutting conditions													
	切削刃几何形状不合适 Unsuitable cutting edge geometry	√						√						
加工中尺寸波动 Dimensional fluctuations during processing	刀片精度不合 Inappropriate blade precision											√		
	工件、刀具位置偏移 Misalignment of workpiece and tool position							√					√	√
后刀面、前刀面磨损增大 Increased wear on the flank and rake face	后刀面磨损 Wear on the flank face	√						√						
	前刀面磨损 Wear on the rake face	√						√						
微崩 Micro-chipping	振动、冲击 Vibration, impact		√					√					√	√
积屑瘤 Built-up edge	工件硬度与刀具切削条件不适合 Unsuitable hardness of the workpiece for the cutting conditions of the tool						√	√				√		
热龟裂 Thermal cracking	工件材料的硬度与刀具材料和切削条件不适应 Mismatch between the hardness of the workpiece material and the tool material and cutting conditions						√	√						
切削刃刀尖部分变形 Deformation of the cutting edge portion of the tool	在断续切削大进给时发生 Occurs during intermittent cutting with large feed	√					√	√						
刀具寿命 Tool life	材料、切削条件不适合 Unsuitable material and cutting conditions		√					√					√	√
长切屑缠绕 Long chip winding	切削条件不适合 Unsuitable cutting conditions						√							
	刀刃几何形状不合适 Unsuitable cutting edge geometry							√						
切屑太短，导致飞溅 Short chips causing splatter	切削条件不适合 Unsuitable cutting conditions						√							
	刀刃几何形状不合适 Unsuitable cutting edge geometry							√						
钢、铝，产生毛刺 Burs on steel and aluminum	切削条件不适合 Unsuitable cutting conditions						√							
	刀具磨损、几何形状不合适 Unsuitable cutting edge geometry	√						√						
铸铁，塌边 Edge collapse on cast iron	切削条件不适合 Unsuitable cutting conditions						√							
	刀具磨损、几何形状不合适 Unsuitable cutting edge geometry	√						√	√					
软钢，毛边 Burs on soft steel	切削条件不适合 Unsuitable cutting conditions													
	刀具磨损、几何形状不合适 Unsuitable cutting edge geometry	√						√					√	√

问题解答 Questions & Answers

刀具损伤 Tool damage	原因 Causes	解决方法 Solutions
前刀面磨损 Crater wear 	刀片材质不合适 切削量过大	选择更硬的材质 减小切削量 降低切削速度
	Unsuitable insert material Excessive cutting amount	Select harder material Reduce cutting amount Reduce cutting speed
破损 Breakage 	刀片材质不合适 进给过大 切削刃的强度不足 刀杆刚性不足	选择韧性更好的材质 减小进给 采用大刃磨刀片或切削刃倒棱处理刀片 选择更大尺寸的刀杆
	Unsuitable insert material Excessive feed Poor cutting edge strength Poor cutter bar rigidity	Select material with better toughness Reduce feed Select an insert with high grinding quality or chamfered edge Select a larger cutter bar
塑性变形 Plastic deformation 	刀片材质不合适 切削量过大 切削温度过高	选择更高强度的材质 减小切削条件 选择导热性大的材质
	Unsuitable insert material Excessive cutting amount Overtemperature of cutting	Select material with higher strength Reduce cutting condition Select material with high thermal conductivity
刃口磨损 (后刀面) Flank wear 	被加工件硬度相对于刀具过高时 当加工表面硬化的被加工件时 刀片材质不正确 切削速度过高 后角太小 进给太低	选择更硬的材质 减小切削速度 选择更大后角 增加进给
	Excessive hardness of the machined workpiece compared to the tool When machining a machined workpiece with a hardened surface Incorrect insert material Excessive cutting speed Clearance angle too small Feed speed too low	Select harder material Reduce cutting speed Select a larger clearance angle Increase feed
热龟裂 Thermal cracking 	切削温度引起的热胀冷缩 刀片材质不合适 * 特别是铣削加工	应采用干切削 (如果要进行湿加工, 使用足够的冷却液) 选择韧性更强的材质
	Thermal expansion and contraction caused by the cutting temperature Unsuitable insert material * Especially during milling	Adopt dry cutting Use enough coolant for necessary wet cutting. Select material with higher toughness

问题解答 Questions & Answers

刀具损伤 Tool damage	原因 Causes	解决方法 Solutions
崩刃 Tipping 	刀片材质不合适 进给过大 切削刃强度减小 刀杆刚性不够	选择韧性更强的材质 减小进给 采用大刃磨刀片或切削刃倒棱处理刀片 选择更大尺寸的刀杆
	Unsuitable insert material Excessive feed Reduced cutting edge strength Poor cutter bar rigidity	Select material with higher toughness Reduce feed Select an insert with high grinding quality or chamfered edge Select a larger cutter bar
切口式磨损 Notch wear 	表面硬化的被加工件 由于不好的切屑几何形状产生的摩擦 (产生振动)	选择更硬的材质 用大前角来提高切屑控制
	Surface hardened machined workpiece Friction generated due to bad cutting geometrical shape (Vibration generated)	Select harder material Improve chip control with large rake angle
剥落 Peeling 	附着物分离 切屑控制差	用大前角来提高切屑控制 应用大尺寸的容屑槽
	Build-up separation Poor cut chip control	Improve chip control with large rake angle Apply large chip-hold groove
完全破损 Completely broken 	随着磨损的进行，刀片的切削刃的碎裂而无法加工 刀尖全部破裂	降低进给 减小切深 选择韧性更好的刀片材质 选择更强化型的新屑槽型 选择更厚的刀片
	With the wear progresses, the cutting edge of the insert cannot proceed machining due to breakage Fulltool nose breakage	Reduce feed Reduce cutting depth Select insert material with higher toughness Select more enhanced chip breaker groove type Select thicker insert
积屑瘤 Crater wear 	切削速度太低 被加工件材质与刀具易发生反应	增大切削速度 选择具有更大倾斜角的刀片 选择韧性更好的材质
	Cutting speed too low The material of the machined workpiece easily reacts with the cutting tool	Increase cutting speed Select insert with bigger inclined angle Select material with better toughness



MingHong

浙江鸣鸿精密技术有限公司
Zhejiang MingHong Precision Co. Ltd

ZHEJIANG MINGHONG PRECISION CO., LTD

浙江鸣鸿精密技术有限公司

Address: 701, Building 4, Huiyu Zhichuang Industrial Park No.2211, Nanxiu Road, Xintang Street, Xiaoshan District, Hangzhou, China (Zhejiang)

TEL: +86 135 5203 7994(Wechat) +86 180 5879 6040(Wechat)

Mail: Alexey.fang@zjmhjm.com Jackson.zhao@zjmhjm.com

SITE: : www.zjmhjm.com