ChuanRun
川润



东莞市川润数控刀具有限公司
DONGGUAN CHUANRUN NC TOOL.,LIMITED

http://www.chuanruntool.com

产品目录 Product catalogue

2026

ChuanRun 川润

产品目录 Product catalogue

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ChuanRun
川润



产品目录
Product catalogue
2026

HLD Crown Drill

ICD Crown Drill

HLC Crown Drill



ChuanRun
川润

高效钻孔系列

1·后拉式 标准钻尖

PT涂层,适合加工高温合金，不锈钢合金钢
Φ12~52mm



HLD

2·后拉式平头钻尖

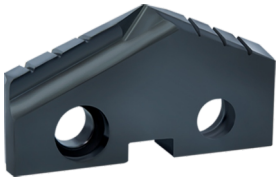
DR涂层:适合加工钢，铸铁不锈钢
Φ12~52mm



HLF

3·铲钻刀片

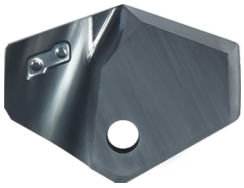
适合加工钢件，不锈钢比较耐磨
Φ9.5~114mm



CRA

4·侧锁式 标准钻尖

适合加工钢,不锈钢，合金钢。Φ8~32.9mm



TPD

5·自锁式 平头钻尖

Φ8~32.9mm



FCP

6·自锁式 带齿钻尖

Φ8~32.9mm



ICG

7·自锁式 带定心钻尖

适合加工钢件、合金钢
Φ8~32.9mm



ICP

8·自锁式 标准钻尖

Φ8~32.9mm



ICD



适合加工：合金钢，碳钢，铸铁

VMD Drill
VMD大钻头

diameter： 45~280mm
Diameter adjustable

直径可调

VMD connecting cutter bar
VMD连接刀杆





WCMT insert
WCMT刀片



Positioning drill
定心钻



VMD Drill
大钻头



insert seat
刀片座

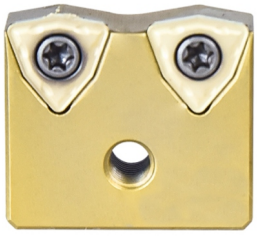


Connecting cutter bar
链接杆

VMC Drill
VMC大钻头

diameter： 45~180mm
Diameter adjustable

直径可调



insert seat
刀片座



VMC insert
铲钻刀片



VMD Drill
大钻头



Connecting cutter bar
链接杆

VMC connecting cutter bar
VMC连接刀杆



铲钻 Spade drills

diameter:9.5~114mm

DrillsDepth钻削深度:

50mm 70mm 100mm 150mm 200mm 250mm
300mm 350mm 400mm 450mm 500mm 600mm

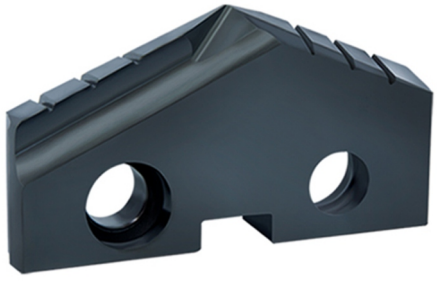
Drill insert series

铲钻刀片系列

Φ9.5~114mm

Powder HSS
Cemented carbide







HLD crown drill

HLD后拉式皇冠钻

diameter:12~40mm

1.5D 3D 5D 8D 10D 12D

HLD insert series

HLD刀片系列



TPD Crown Drill

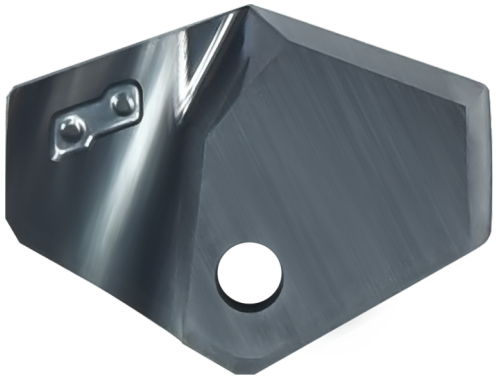
TPD皇冠钻

diameter:8~32.9mm

3D 5D 8D 10D

TPD insent series

TPD刀片系列





ICD crown drill

ICD自锁式皇冠钻

diameter:8~32.9mm
3D 5D 7D 8D 10D 12D

Crown drill insert series

皇冠钻刀片系列

Φ8~32.9mm
Cemented carbide





TPD走心机
专用小零件皇冠钻

精准，高效，比钨钢钻头更省钱，可修磨三次

匹配钻杆：1.5D/2D/3D/4D/5D

适合用于：螺纹底孔，精孔，成型孔，CNC加工中心，数控车床，走芯机

适合加工：钢，中底碳钢，不锈钢，钛合金，铸铁

8.0/8.1/8.2/8.3/8.4/8.5/8.6/8.7/8.8/8.9/
9.0/9.1/9.2/9.3/9.4/9.5/9.6/9.7/9.8/9.9/
10.0/10.1/10.2/10.3/10.4/10.5/10.6/10.7/10.8/10.9/
11.0/11.1/11.2/11.3/11.4/11.5/11.6/11.7/11.8/11.9/
12.0/12.1/12.2/12.3/12.4/12.5/12.6/12.7/12.8/12.9







Undertake customized services for high-end milling cutter bars and cutterheads

承接高端铣刀杆、刀盘定制服务





U钻用川润的，刀片会更耐用！
用好钻头很有必要
It is necessary to use high-end drilling tool

内有螺纹
方便车床使用
Internally threaded for convenient lathe use

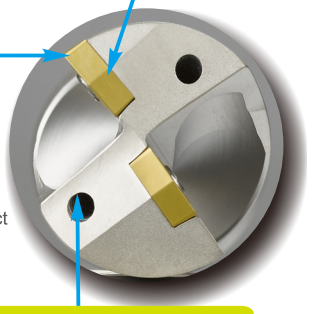


Updated insert position angle
更新后的刀片位角度
可降低机床负载，提高刀片寿命
让刀片更耐用
Can reduce machine load, improve insert life, and make blades more durable

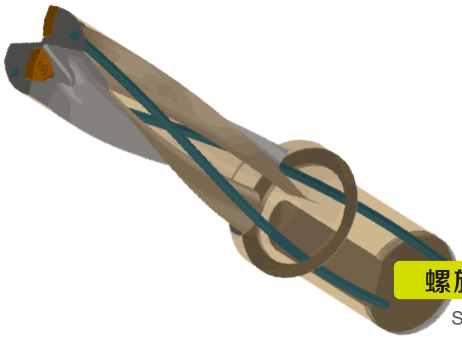
创新螺旋槽设计 内外槽比例6:4 排屑更好
Innovative spiral groove design
Internal and external groove ratio 6:4 for better chip removal

机床负载：
例如Φ30x3倍长 使用时负载保持在18%
Machine load
For example, when used 30x3 times longer, the load remains at 18%

The updated insert angle makes cutting more efficient
更新后的刀片角度 让切削更高效



正负公差－0.1
公差保持稳定,全检
Positive and negative tolerances -0.1
Maintain stable tolerance and conduct full inspection



螺旋出水孔
Spiral water outlet

出水孔：
加大一倍水压，达到7KG
Water outlet:
Double the water pressure to reach 7KG

外冷转换内冷 External cooling change to internal cooling

SLO侧固式油路刀柄 *Oil tool handle*

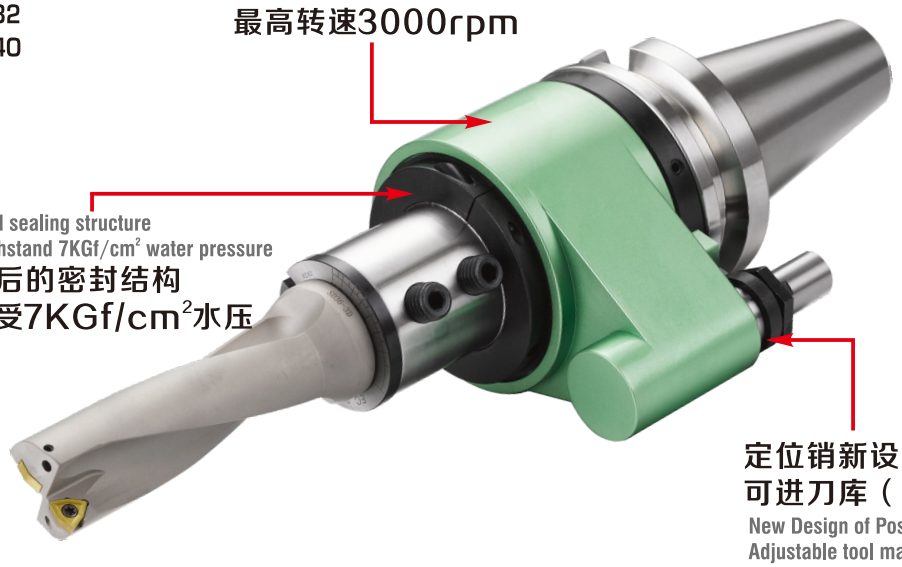
Suitable for: U drill, spade drill, interchangeable drill with external water conversion and internal water spray cooling

适用于：快速钻、铲钻、皇冠钻　外水转换内喷水冷却

SL016
SL020
SL025
SL032
SL040

Internal use of NTN bearings with a maximum speed of 3000rpm
内部使用NTN轴承
最高转速3000rpm

BT40
BT50



Updated sealing structure
Can withstand 7KGf/cm² water pressure
更新后的密封结构
可承受7KGf/cm²水压

定位销新设计
可进刀库（自动换刀）
New Design of Positioning Pin
Adjustable tool magazine (automatic tool change)

ERO夹头高转速油路刀柄 *Oil tool handle*

Applicable to: Solid carbide drill, interchangeable drill with external water conversion and internal water spray cooling

适用于：钨钢内冷麻花钻、皇冠钻　外水转换内喷水冷却

ER016
ER020
ER025
ER032
ER040

Internal use of NSK bearings with a maximum speed of 5000rpm
内部使用NSK轴承
最高转速5000rpm

BT40
BT50



更新后的密封结构
可承受7KGf/cm²水压
Updated sealing structure
Can withstand 7KGf/cm² water pressure

定位销新设计
可进刀库（自动换刀）
New Design of Positioning Pin
Adjustable tool magazine (automatic tool change)

WC indexable drill

WC 快速钻

WCMT insert

Φ10.5~100mm

2D 3D 4D 5D 6D





SP indexable drill

SP 快速钻

SPMG insert

Φ8.5~100mm

2D 3D 4D 5D 6D

SPMG 刀片系列

SPMG Drill Insert Series

VWC with centering U drill

VWC 带定心U钻

WCMT insert

ICD head interchangeable drill

钻孔：Φ*16~60mm*

Cutting depth

钻削深度：*6D，8D，10D，12D*

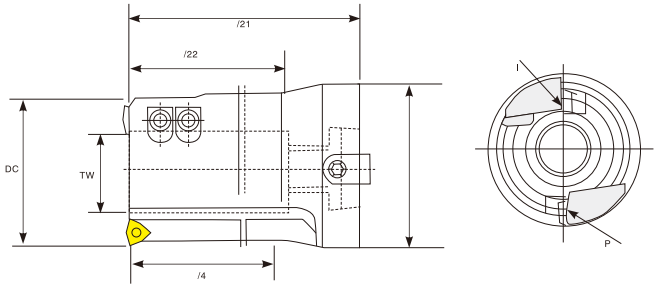




WC hollow drill

WC留心钻

WCMT insert



ICD head interchangeable drill

钻孔：Φ*50~200mm*

Cutting depth

钻削深度：*50mm，100mm，150mm，200mm，250mm*









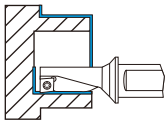


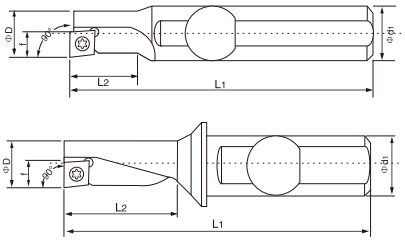
CNC车床专用：SF单刃钻头

Special for cnc lathe









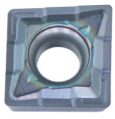
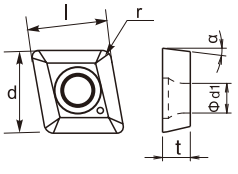
型号 Cat.No	尺寸（mm）Dimension				刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
	D	d1	L1	L2				
SF-8R-2.5D-C20	8	20	85	20	QCMT 050204	M2.2x4	T6	
SF-10R-2.5D-C20	10	20	90	25	QCMT 050204	M2.2x4	T6	
SF-12R-2.5D-C20	12	20	95	30	QCMT 060204	M2.2x6	T7	
SF-14R-2.5D-C20	14	20	100	25	QCMT 070304	M2.5x6	T8	
SF-16R-2.5D-C20	16	20	112	40	QCMT 080304	M3.0x8	T10	
SF-18R-2.5D-C20	18	20	117	45	QCMT 10T304	M3.0x8	T10	
SF-20R-2.5D-C25	20	25	128	50	QCMT 10T304	M3.5x10	T15	
SF-25R-2.5D-C32	25	32	147	63	QCMT 130408	M5.0x12	T20	
SF-8R-3D-C20	8	20	89	24	QCMT 050204	M2.2x4	T6	
SF-10R-3D-C20	10	20	95	30	QCMT 050204	M2.2x4	T6	
SF-12R-3D-C20	12	20	101	36	QCMT 060204	M2.2x6	T7	
SF-14R-3D-C20	14	20	107	42	QCMT 070304	M2.5x6	T8	
SF-16R-3D-C20	16	20	120	48	QCMT 080304	M3.0x8	T10	
SF-18R-3D-C20	18	20	126	54	QCMT 10T304	M3.0x8	T10	
SF-20R-3D-C25	20	25	138	60	QCMT 10T304	M3.5x10	T15	
SF-25R-3D-C32	25	32	159	75	QCMT 130408	M5.0x12	T20	





适用刀片

Match Insert

外观	型号 Cat.No	涂层 Coated	尺寸（mm）Dimension						螺钉 Screw	结构 Structure
			l	d	r	t	d1	a		
	QCMT 050204	●	5.5	5.5	0.4	2.2	2.3	7°	M2.2	
	QCMT 060204	●	6.5	6.5	0.4	2.2	2.5	7°	M2.2	
	QCMT 070304	●	7.5	7.5	0.4	3.2	2.8	7°	M2.5	
	QCMT 080304	●	8.5	8.5	0.4	3.2	3.5	7°	M3	
	QCMT 10T304	●	10.4	10.4	0.4	3.9	4	7°	M3.5	
	QCMT 130408	●	13.5	13.5	0.8	4.86	5.6	7°	M5	



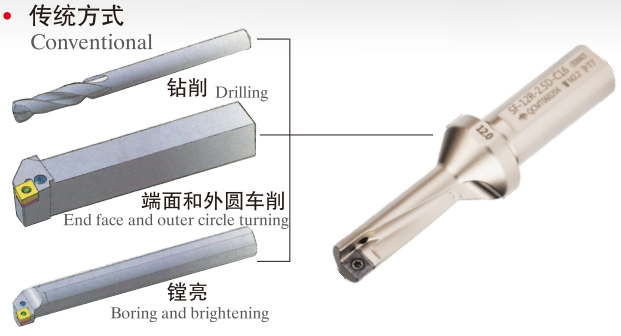
SF
单刃钻头
Single edged drill bit

CNC车床专用：SF单刃钻头
Multi-function series products

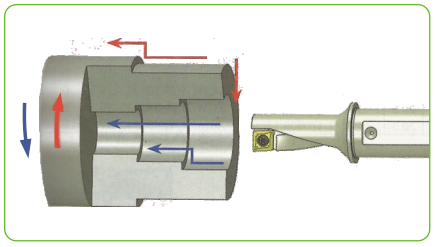
- 车削、镗削、钻削功能，使用一种刀具加工
- 节约安装时间，缩短节拍
- 减少刀具使用数量，节约刀具成本
- Turning, boring, and drilling functions, using a single tool for machining
- Save installation time and shorten the pace
- Reduce the number of tools used and save tool costs

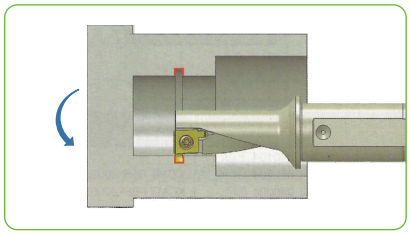
应用
application

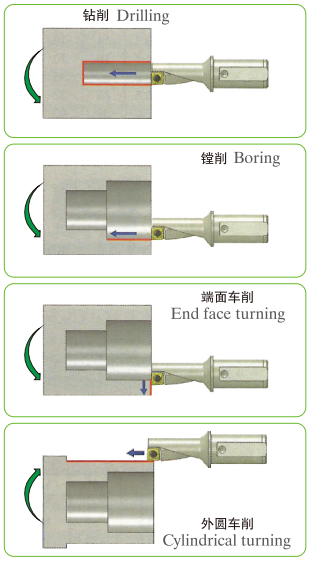
- 传统方式
  Conventional



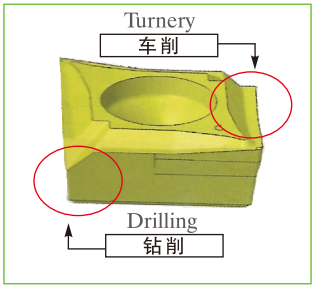
SF单刃钻头
SF Single edged drill bit







特点
Feature



- 内冷型
- 大螺旋槽易于排屑
- 大排屑槽排屑流畅
- 刀片两种功效设计适于钻削和车削加工
- 大螺旋角切削刃降低切削力
- 小进给、小切深时排屑流畅

- Internally cooled type
- The large spiral groove is easy to remove chips
- Smooth chip removal in the large chip removal groove
- Blade design with two functions suitable for drilling and turning processing
- Large helix angle cutting edge reduces cutting force
- Smooth chip removal during small feed and small cutting depth

Screw countersunk chamfer drill

螺丝沉头倒角钻

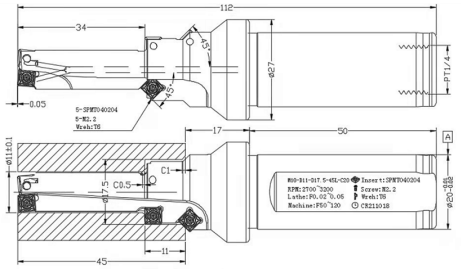
M8~M24

通孔使用
螺丝过孔
（成型钻）

Through hole usage
Screw through-hole
(Forming drill)







适用于：各种CNC加工中心机

功能：钻孔+沉头+倒角

特点：一刀成型，螺丝过孔专用，广泛用于：模具行业、自动化零部件

Applicable to: various CNC machining center machines

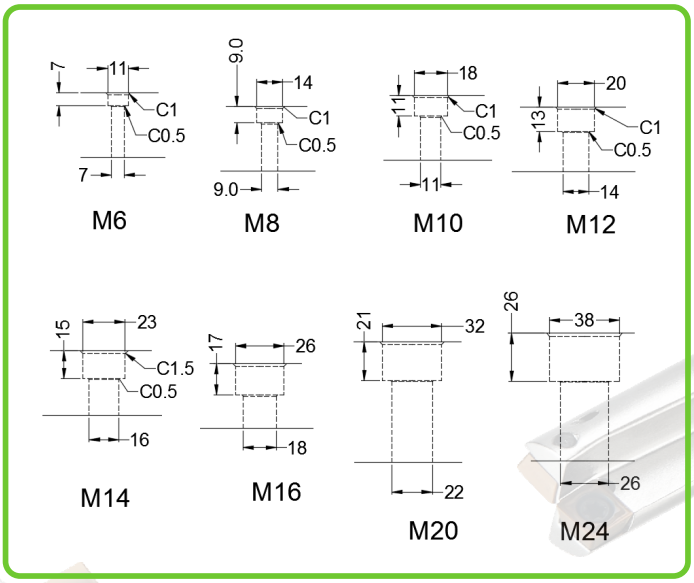
Function: Drilling+Countersink+Chamfer

Features: One blade molding, dedicated for screw through-hole, widely used in the mold industry and automation components

螺纹	型 号	过孔直径	沉头孔	有效长	柄径	匹配刀片	螺丝	扳手	重量 Kg
M8	M8-D9-D14-34L-C20-03	9	14	35	20	SPMG03	M1.8	T6	0.2
M10	M10-D11-D17.5-46L-C20-04	11	17.5	35/45	20	SPMG04	M2.2	T6	0.22
M12	M12-D14-D20-48L-C25-05	14	20	35	25	SPMG05	M2.2	T6	0.34
M14	M14-D16-D23-50L-C25-06	16	23	35	25	SPMG06	M2.2	T7	0.38
M16	M16-D18-D26-52L-C25-06	18	26	35	25	SPMG06	M2.2	T7	0.4
M20	M20-D22-D32-86L-C25-07	22	32	65	25	SPMG07	M2.5	T8	0.62
M24	M24-D26-D38-96L-C32-07	26	38	70	32	SPMG07	M2.5	T8	0.9





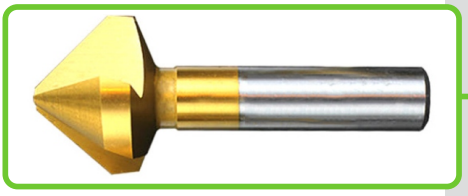


螺丝沉头倒角钻

Screw countersunk chamfer drill







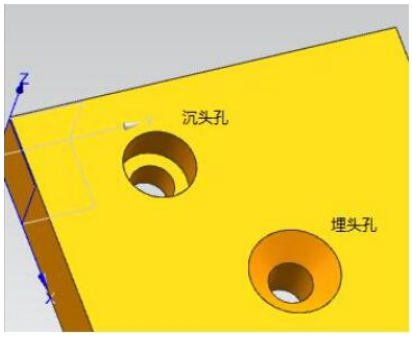


特 色

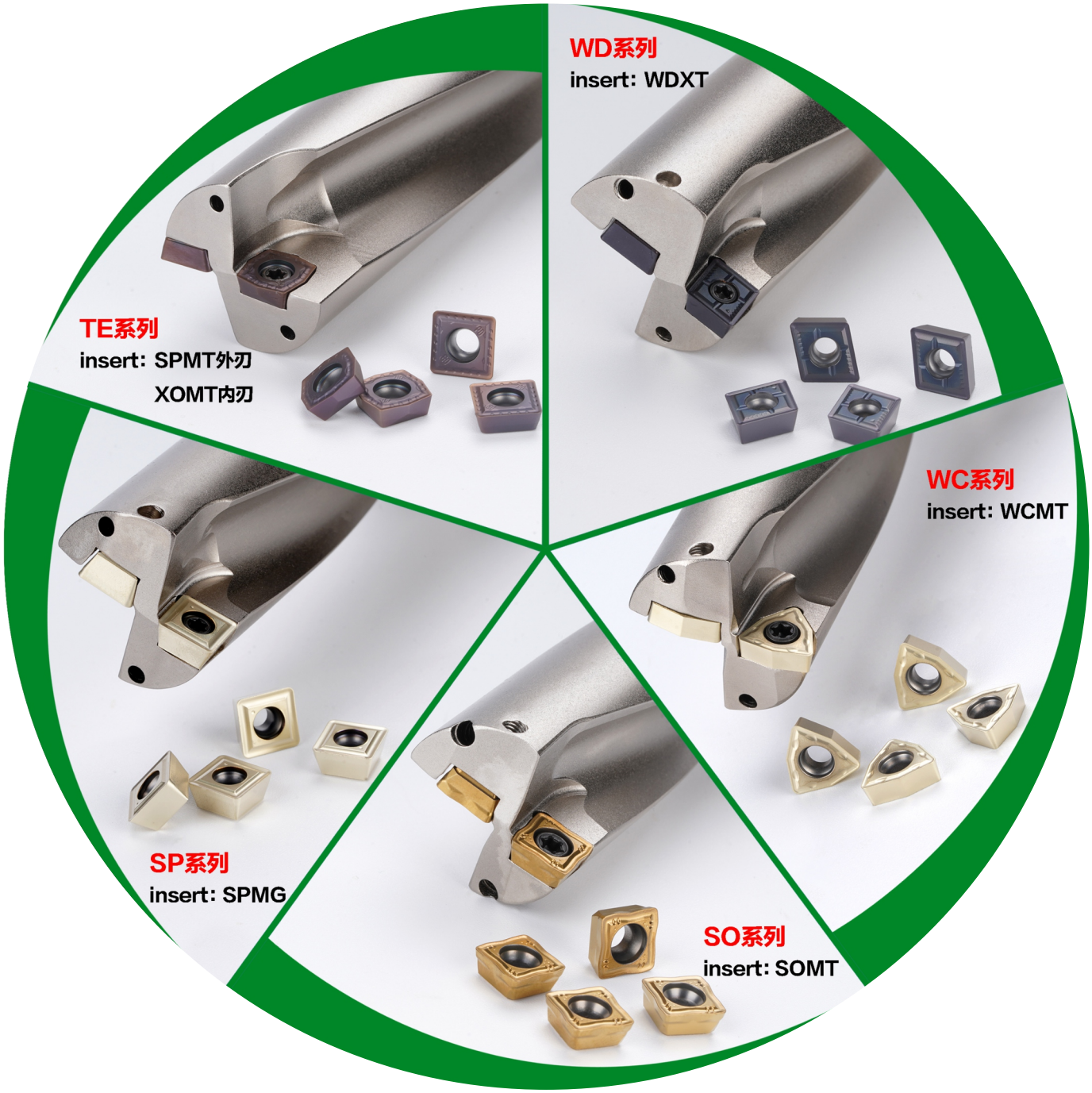
- 成型钻
- 钻孔+沉头+倒角
- 一刀成型 效率高
- 刀片耐磨耗、寿命长。
- 一把刀解决3把刀工作量，大量节省刀具费用及时间。

- Forming drill
- Drilling+countersunk head+chamfering
- High efficiency of one cut molding
- The blade is wear-resistant and has a long lifespan.
- One knife solves the workload of three knives, saving a lot of tool costs and time.








WD系列
insert: WDXT
TE系列
insert: SPMT外刃
XOMT内刃
WC系列
insert: WCMT
SP系列
insert: SPMG
SO系列
insert: SOMT

SP8~12mm小钻头

2D/3D/4D/5D

SPMG刀片

SP系列另有6倍长

SP18~50mm

匹配SPMG刀片



SF单刃钻Φ8~25mm

钻/车/镗 多功能使用

匹配刀片：QCMT



WC10~13.5mm小钻头

2D/3D/4D/5D

WCMT刀片



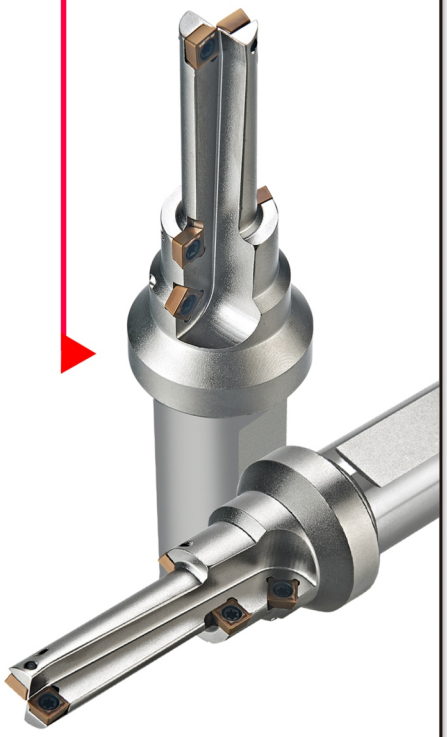
螺丝沉头倒角钻

直径：m8/m10/m12/

m14/m16/m20/m24

螺丝过孔成型钻

匹配刀片:SPMG



规 格 Cat.No	直 径 Dia	2D	3D	4D	重量 Kg	匹配刀片 Matching insert
SP8.0–C20–SP03	8.0				0.10	SPMT030104
SP8.5–C20–SP03	8.5				0.11	
SP9.0–C20–SP03	9.0				0.12	
SP9.5–C20–SP03	9.5				0.12	
SP10.0–C20–SP04	10				0.14	SPMG040204
SP10.5–C20–SP04	10.5				0.12	
SP11.0–C20–SP04	11				0.12	
SP11.5–C20–SP04	11.5				0.12	
SP12.0–C20–SP04	12				0.12	





适用于：各种CNC立加/数控车床

功能：小孔加工深度快替换(麻花钻)

螺纹底孔专用



Applicable to: various CNC vertical machining/CNC lathes
Function: quick replacement of small hole processing depth (Fried Dough Twists drill)
Special for threaded bottom holes

型 号 Cat.No	直 径 Dia	有效长(mm) Effective lengt 2倍长 2D	3倍长 3D	4倍长 4D	5倍长 5D	柄径 Shank	重量 Weight Kg	匹配刀片 Matching insert	螺 丝 Screw	扳 手 Wrench
WC10.0-C20-WC02	10.0~10.4	20	30	40	50	20		WCMT020104CR	M1.8	T6
WC10.5-C20-WC02	10.5~11.9	21	31.5	42	52.5	20				
WC11.0-C20-WC02	11.0~11 .4	22	33	44	55	20				
WC11.5-C20-WC02	11.5~11.9	23	34.5	46	57.5	20				
WC12.0-C20-WC02	12.0~12.4	24	36	48	60	20		WCMT020104CR	M1.8	T6
WC12.5-C20-WC02	12.5~12.9	25	37.5	50	62.5	20				
WC13.0-C20-WC02	13.0~13.4	26	39	52	65	20				
WC13.5-C20-WC02	13.5~13.9	27	40.5	54	67.5	20				

WCMT020104CR-KL890



ChuanRun 川润

Invincible small drill bit

无敌小钻头

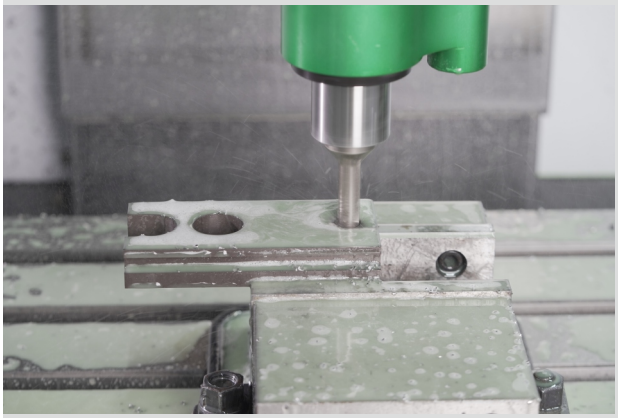




特 色 Feature

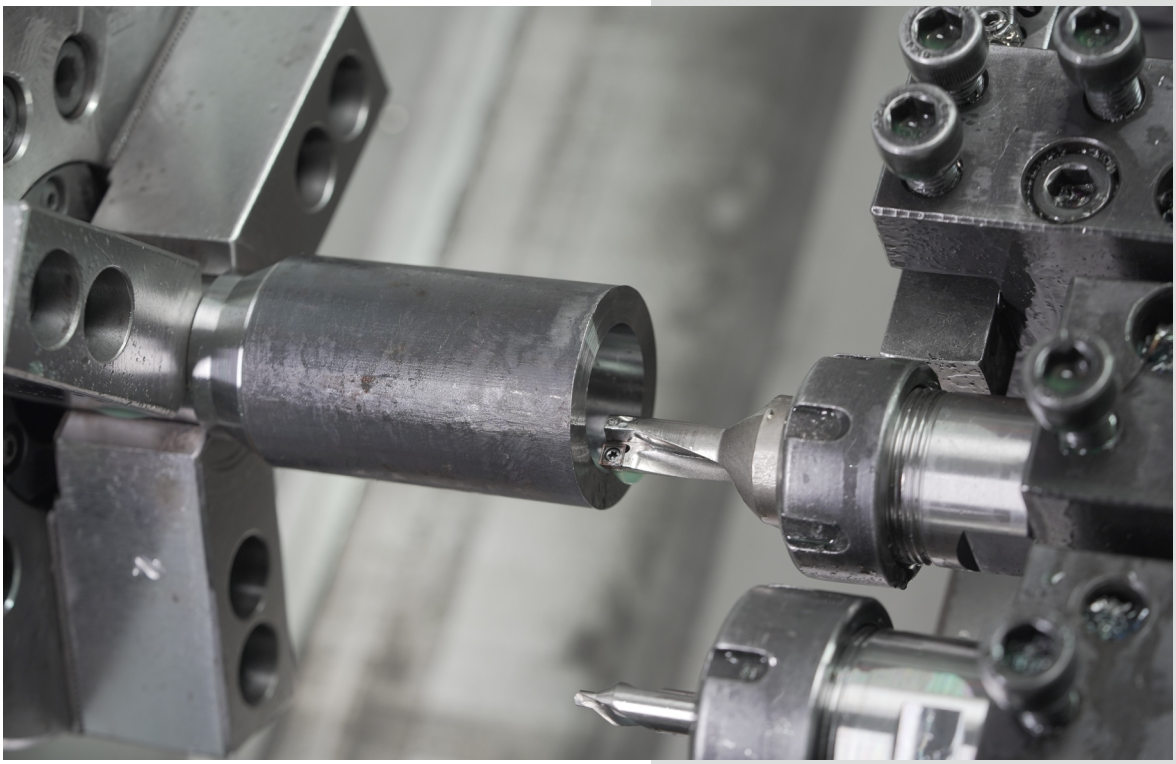
- 最小尺寸10mm。
- 直径间隔0.1mm。
- 切削刃数密，加工速度快。
- 刀片耐磨耗、寿命长。
- 一把刀多种用途，大量节省刀具费用。

- The minimum size is 10mm.
- The diameter interval is 0.1mm.
- The number of cutting edges is dense, and the processing speed is fast.
- The blade is wear-resistant and has a long lifespan.
- A knife has multiple uses, greatly saving tool costs.



应 用 Application

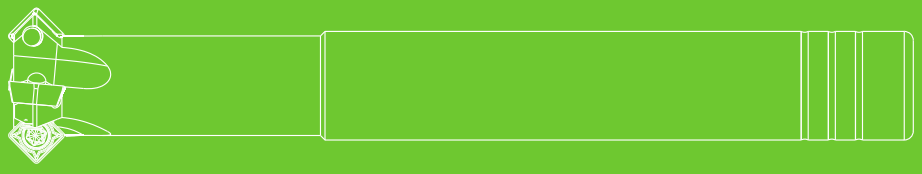
- 数控车床 CNC lathe
- 走心机 Walking machine
- 排刀机 Cutting machine
- 刀塔机 Turret crane
- 钻孔 Drill hole
- 镗孔 Boring holes
- 车外园 Chewaiyuan



Internal and external chamfering tool

内外倒角刀





规 格 Cat.No	重量 Kg	最小径 Min.dia	最大径 Max.dia	柄径 Shank	全长 Full lenght	匹配刀片 Matching insert
COR-06-11-C10-100L	0.1	6	11	10	100	SPMG030102
COR-11-17-C12-100L	0.14	11	17	12	100	SPMG040204
SPMG030104 DG-K						
SPMG040204 DG-B						

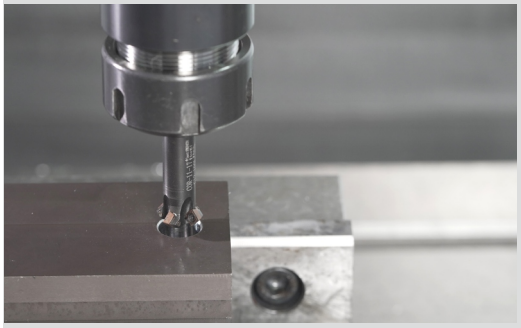


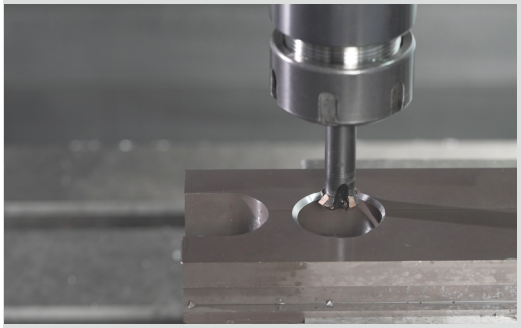


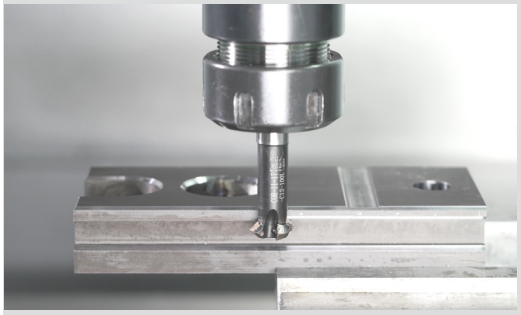


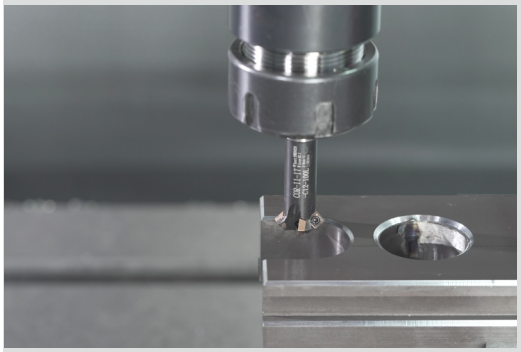
Nternal and external chamfering tool

内外倒角刀

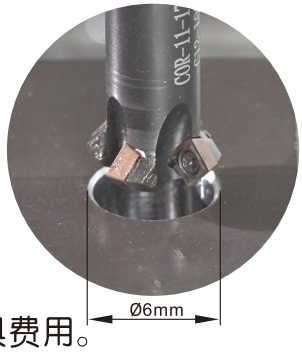








特 色 Feature

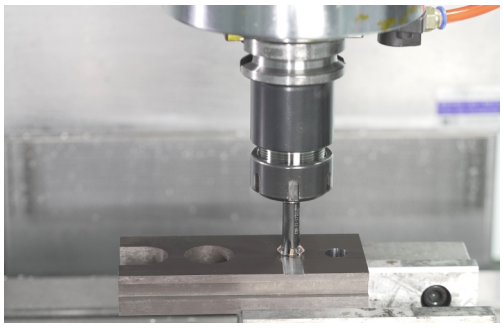


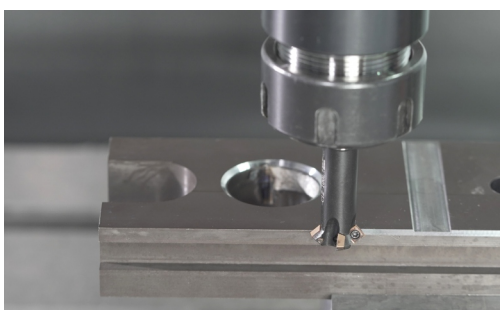
- 最小尺寸6mm。
- 双角度刀片，大幅增加进给。
- 切削刃数密，加工速度快。
- 刀片耐磨耗、寿命长。
- 一把刀多种用途，大量节省刀具费用。

- The minimum size is 6mm.
- Double angle blade, significantly increasing feed.
- The number of cutting edges is dense, and the processing speed is fast.
- The blade is wear-resistant and has a long lifespan.
- A knife has multiple uses, greatly saving tool costs.

应 用 Application

- 正向倒角 Forward chamfering
- 平面倒角 Flat chamfer
- 内圆倒角 Inner circle chamfer
- 孔口倒角 Chamfer of orifice
- 孔底倒拉倒角 Bottom pulling and chamfering of holes
- U型倒角 U-shaped chamfer





45° 倒角环

45° chamfer ring

钻孔+倒角一体成型

Suitable for matching

可适配U钻:WC/SP/TE/WD/880系列

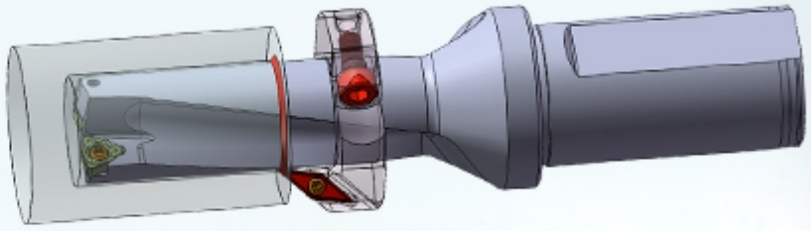
Range of chamfered hole

孔倒角范围:12mm~40mm

Chamfered area

倒角区域







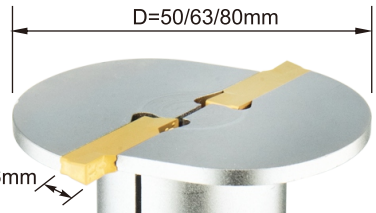


Chamfering insert

倒角刀片：VBGT100304

T型槽铣刀–竹蜻蜓系列

T-slot milling cutter





加工产品图

Processing product drawings



新品推荐



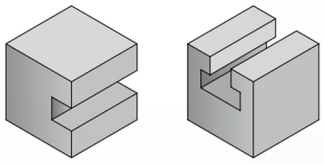


T型槽铣刀

T-slot milling cutter

DFC侧铣刀三面刃铣刀盘

DFC side milling cutter three edge milling cutter







新品推荐



专利产品 请勿模仿

ChuanRun 川润

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高效通用钢件钻头

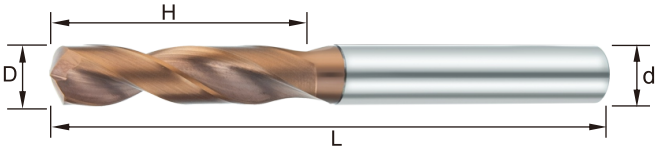
High efficiency drill for stel

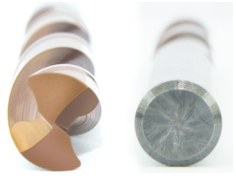
产品特色：

超微晶硬质合金外(内)冷棒料，表面H涂层钻尖刀尖140°，直径公差M7，加工孔精度IT8-9
高效率生产及持久耐用，可修磨、非标订制。

Feature of product

Ultra-microcrystalline cemented carbide outer (inner)cold bar, surface H-coated drill tip 140°,diametertolerance M7,machining hole accuracy IT8-9, high-efficiency production and durability, can be repaired,non-standard customized





刃径 D	刃长 H	总长 L	柄径 d
3.00	20	62	6
3.10	20	62	6
3.20	20	62	6
3.30	20	62	6
3.40	20	62	6
3.50	20	62	6
5.60	20	62	6
3.70	20	62	6
3.80	24	62	6
3.90	24	66	6
4.00	24	66	6
4.10	24	66	6
4.20	24	66	6
4.30	24	66	6
4.40	24	66	6
4.50	24	66	6
4.60	24	66	6
4.70	24	66	6
4.80	28	66	6
4.90	28	66	6
5.00	28	66	6
5.10	28	66	6
5.20	28	66	6
5.30	28	66	6
5.40	28	66	6
5.50	28	66	6
5.60	28	66	6
5.70	28	66	6
5.80	28	66	6
5.90	28	66	6
6.00	28	66	6
6.10	34	79	8
6.20	34	79	8
6.30	34	79	8
6.40	34	79	8
6.50	34	79	8
6.60	34	79	8
6.70	34	79	8
6.80	34	79	8
6.90	34	79	8
7.00	34	79	8
7.10	34	79	8
7.20	41	79	8

刃径 D	刃长 H	总长 L	柄径 d
7.30	41	79	8
7.40	41	79	8
7.50	41	79	8
7.60	41	79	8
7.70	41	79	8
7.80	41	79	8
7.90	41	79	8
8.00	41	79	8
8.10	47	89	10
8.20	47	89	10
8.30	47	89	10
8.40	47	89	10
8.50	47	89	10
8.60	47	89	10
8.70	47	89	10
8.80	47	89	10
8.90	47	89	10
9.00	47	89	10
9.10	47	89	10
9.20	47	89	10
9.30	47	89	10
9.40	47	89	10
9.50	47	89	10
9.60	47	89	10
9.70	47	89	10
9.80	47	89	10
9.90	47	89	10
10.00	47	89	10
10.10	55	102	12
10.20	55	102	12
10.30	55	102	12
10.40	55	102	12
10.50	55	102	12
10.60	55	102	12
10.70	55	102	12
10.80	55	102	12
10.90	55	102	12
11.00	55	102	12
11.10	55	102	12
11.20	55	102	12
11.30	55	102	12
11.40	55	102	12
11.50	55	102	12
11.60	55	102	12

刃径 D	刃长 H	总长 L	柄径 d
11.70	55	102	12
11.80	55	102	12
11.90	55	102	12
12.00	55	102	12
12.10	60	107	14
12.20	60	107	14
12.30	60	107	14
12.40	60	107	14
12.50	60	107	14
12.60	60	107	14
12.70	60	107	14
12.80	60	107	14
12.90	60	107	14
13.00	60	107	14
13.10	60	107	14
13.20	60	107	14
13.30	60	107	14
13.40	60	107	14
13.50	60	107	14
13.60	60	107	14
13.70	60	107	14
13.80	60	107	14
13.90	60	107	14
14.00	60	107	14
14.10	65	115	16
14.20	65	115	16
14.30	65	115	16
14.40	65	115	16
14.50	65	115	16
14.60	65	115	16
14.70	65	115	16
14.80	65	115	16
14.90	65	115	16
15.00	65	115	16
15.10	65	115	16
15.20	65	115	16
15.30	65	115	16
15.40	65	115	16
15.50	65	115	16
15.60	65	115	16
15.70	65	115	16
15.80	65	115	16
15.90	65	115	16
16.00	65	115	16

用于：灰铸铁、球墨铸铁、高硅铝、铜合金等材料的加工，定心能力强，稳定的加工尺寸和表面质量，可用于预制孔和断续孔加工，适用高速大进给切削。

For：gray cast iron,nodular cast iron,high siliconaluminum,copper alloy,and othermaterials,centeringability,stable machining dimension and surfacequality, for preformed hole and intermittent holeprocessing,suitable for high speed and high feedcutting.

高效通用钢件钻头

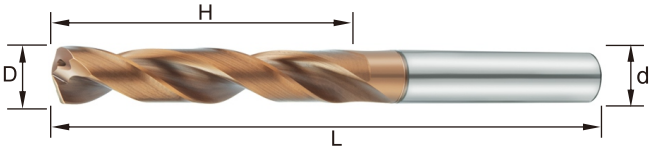
High efficiency drill for stel

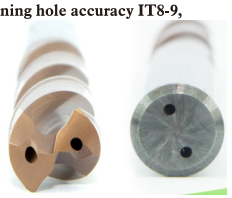
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高效率生产及持久耐用，可修磨、非标订制。

Feature of product

Ultra-microcrystalline cemented carbide outer (inner)cold bar, surface H-coated drill tip 140°,diametertolerance M7,machining hole accuracy IT8-9, high-efficiency production and durability, can be repaired,non-standard customized





刃径 D	刃长 H	总长 L	柄径 d
3.00	28	66	6
3.10	28	66	6
3.20	28	66	6
3.30	28	66	6
3.40	28	66	6
3.50	28	66	6
5.60	28	66	6
3.70	28	66	6
3.80	36	74	6
3.90	36	74	6
4.00	36	74	6
4.10	36	74	6
4.20	36	74	6
4.30	36	74	6
4.40	36	74	6
4.50	36	74	6
4.60	36	74	6
4.70	36	74	6
4.80	44	82	6
4.90	44	82	6
5.00	44	82	6
5.10	44	82	6
5.20	44	82	6
5.30	44	82	6
5.40	44	82	6
5.50	44	82	6
5.60	44	82	6
5.70	44	82	6
5.80	44	82	6
5.90	44	82	6
6.00	44	82	6
6.10	53	91	8
6.20	53	91	8
6.30	53	91	8
6.40	53	91	8
6.50	53	91	8
6.60	53	91	8
6.70	53	91	8
6.80	53	91	8
6.90	53	91	8
7.00	53	91	8
7.10	53	91	8
7.20	53	91	8

刃径 D	刃长 H	总长 L	柄径 d
7.30	53	91	8
7.40	53	91	8
7.50	53	91	8
7.60	53	91	8
7.70	53	91	8
7.80	53	91	8
7.90	53	91	8
8.00	53	91	8
8.10	61	103	10
8.20	61	103	10
8.30	61	103	10
8.40	61	103	10
8.50	61	103	10
8.60	61	103	10
8.70	61	103	10
8.80	61	103	10
8.90	61	103	10
9.00	61	103	10
9.10	61	103	10
9.20	61	103	10
9.30	61	103	10
9.40	61	103	10
9.50	61	103	10
9.60	61	103	10
9.70	61	103	10
9.80	61	103	10
9.90	61	103	10
10.00	61	103	10
10.10	71	118	12
10.20	71	118	12
10.30	71	118	12
10.40	71	118	12
10.50	71	118	12
10.60	71	118	12
10.70	71	118	12
10.80	71	118	12
10.90	71	118	12
11.00	71	118	12
11.10	71	118	12
11.20	71	118	12
11.30	71	118	12
11.40	71	118	12
11.50	71	118	12
11.60	71	118	12

刃径 D	刃长 H	总长 L	柄径 d
11.70	71	118	12
11.80	71	118	12
11.90	71	118	12
12.00	71	118	12
12.10	77	124	14
12.20	77	124	14
12.30	77	124	14
12.40	77	124	14
12.50	77	124	14
12.60	77	124	14
12.70	77	124	14
12.80	77	124	14
12.90	77	124	14
13.00	77	124	14
13.10	77	124	14
13.20	77	124	14
13.30	77	124	14
13.40	77	124	14
13.50	77	124	14
13.60	77	124	14
13.70	77	124	14
13.80	77	124	14
13.90	77	124	14
14.00	77	124	14
14.10	83	133	16
14.20	83	133	16
14.30	83	133	16
14.40	83	133	16
14.50	83	133	16
14.60	83	133	16
14.70	83	133	16
14.80	83	133	16
14.90	83	133	16
15.00	83	133	16
15.10	83	133	16
15.20	83	133	16
15.30	83	133	16
15.40	83	133	16
15.50	83	133	16
15.60	83	133	16
15.70	83	133	16
15.80	83	133	16
15.90	83	133	16
16.00	83	133	16

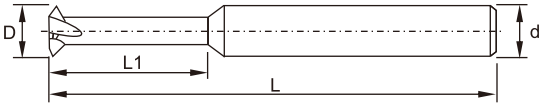
用于：灰铸铁、球墨铸铁、高硅铝、铜合金等材料的加工，定心能力强，稳定的加工尺寸和表面质量，可用于预制孔和断续孔加工，适用高速大进给切削。

For：gray cast iron,nodular cast iron,high siliconaluminum,copper alloy,and othermaterials,centeringability,stable machining dimension and surfacequality, for preformed hole and intermittent holeprocessing,suitable for high speed and high feedcutting.

钨钢单牙铣刀

Solid Carbide single Flute Thread Milling



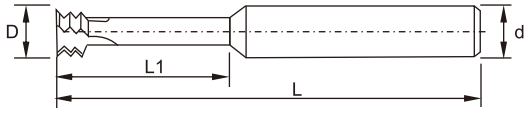


规格 Description	牙距范围mm Pitch	刃径 D	刃长 L1	刃数 Z	柄径 d	全长 L
M1.2*0.25	0.25–0.35	Φ0.9	3.8	3	D4	50
M1.4*0.3	0.3–0.4	Φ1.05	4.4	3	D4	50
M1.6*0.35	0.35–0.4	Φ1.21	5	3	D4	50
M2.0*0.4	0.4–0.5	Φ1.54	6.2	3	D4	50
M2.5*0.45	0.45–0.5	Φ1.96	7.7	3	D4	50
M3.0*0.5	0.5–0.6	Φ2.4	9	3	D4	50
M4.0*0.7	0.5–0.8	Φ3.15	12	3	D4	50
M5.0*0.8	0.5–1.0	Φ4.0	15	3	D4	50
M6.0*1.0	0.5–1.0	Φ4.75	19	3	D6	50
M8.0*1.25	0.5–1.25	Φ6.0	26	3	D6	60
M10.0*1.5	0.8–1.5	Φ7.9	32	4	D8	60
M12.0*1.75	1.0–3.0	Φ9.9	38	4	D10	75
M16.0*2.0	2.0–5.0	Φ12.0	48	4	D10	75
M18.0*2.5	1.0–5.0	Φ14.0	50	5	D14	100
M22.0*3.0	1.2–5.0	Φ16.0	50	5	D16	100

钨钢三牙铣刀

Solid Carbide 3 Flutes Thread Milling



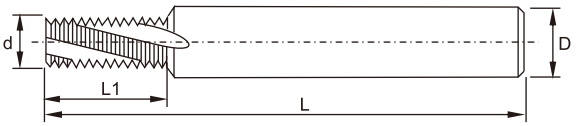


规格 Description	牙距范围mm Pitch	刃径 D	刃长 L1	刃数 Z	柄径 d	全长 L
M1.2*0.25	0.25	Φ0.92	3.8	3	D4	50
M1.4*0.3	0.3	Φ1.05	4.4	3	D4	50
M1.6*0.35	0.35	Φ1.21	5	3	D4	50
M2.0*0.4	0.4	Φ1.54	6.2	3	D4	50
M2.5*0.45	0.45	Φ1.96	7.7	3	D4	50
M3.0*0.5	0.5	Φ2.42	9	3	D4	50
M4.0*0.7	0.7	Φ3.15	12	3	D4	50
M5.0*0.8	0.8	Φ4.0	15	3	D4	50
M6.0*1.0	1.0	Φ4.75	19	3	D6	50
M8.0*1.25	1.25	Φ6.0	26	3	D6	60
M10.0*1.5	1.5	Φ7.9	32	4	D8	60
M12.0*1.75	1.75	Φ9.9	38	4	D10	75
M16.0*2.0	2.0	Φ11.9	48	4	D10	75
M22.0*2.5	2.5	Φ14.0	50	5	D14	100
M24.0*3.0	3.0	Φ16.0	50	5	D16	100

钨钢全牙铣牙刀

Solid Carbide Thread Milling





规格	牙距范围	刃径d	刃长L1	刃数	柄径	全长L	铝用	钢用
M3.0*0.5	0.5	Φ2.42	6	3F	D4	50	39	41
M4.0*0.7	0.7	Φ3.15	8	3F	D4	50	39	41
M5.0*0.8	0.8	Φ4.0	10	3F	D6	50	66	68
M6.0*1.0	1.0	Φ4.75	12	3F	D6	50	66	68
M8.0*1.25	1.25	Φ6.0	16	3F	D6	60	66	68
M10.0*1.5	1.5	Φ7.9	20	4F	D8	60	103	106
M12.0*1.75	1.75	Φ9.9	24	4F	D10	75	146	150
M16.0*2.0	2.0	Φ11.9	32	4F	D12	75	188	193
M20.0*2.5	2.5	Φ14.0	40	5F	D14	100	295	300
M24.0*3.0	3.0	Φ16.0	48	5F	D16	100	405	410

钨钢丝攻

Carbide Taps



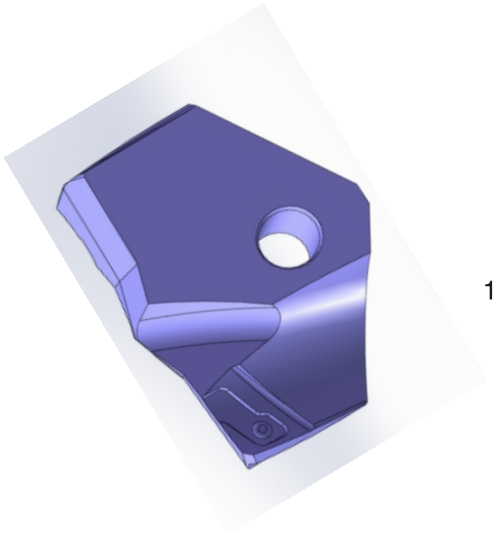


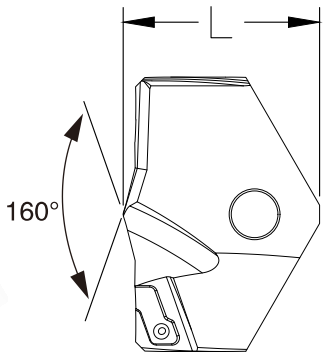


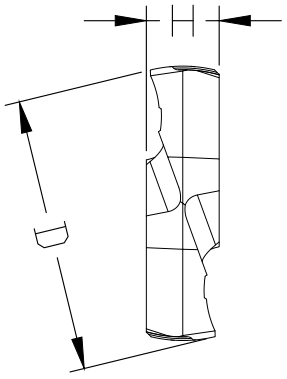
规格 spec	直槽 Straight groove	螺旋 Corkscrew spin	挤压 Crimp
M2*0.4	63	84	84
M2.5*0.45	63	84	84
M3*0.5	56	63	63
M4*0.7	56	63	63
M5*0.8	63	70	70
M6*1	77	91	91
M8*1.25M	133	154	154
M10*1.5	175	210	210
M12*1.75	231	252	252
M14*2	448	490	490
M16*2	532	588	588
M18*2.5	630	700	700
M20*2.5	728	812	812
M22*3	1008	1120	1120
M24*3	1274	1400	1400

TPC皇冠钻 侧锁式平底钻尖

TPC Crown Drill, side-locking flat-bottom drill insert



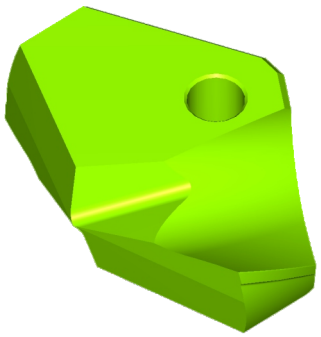


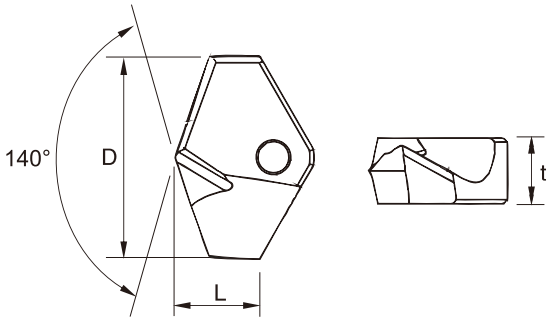


型 号 Cat.No	重量 Kg	尺寸（mm） Dimension			钻头直径 Drill diameter	螺钉 Screw	扳手 Wrench	扭矩 Torque
		D	L	t				
TPC100~109		9.5~10.9	4.77	3.5	9.5~12.9	FTNB0209	TW06P	0.4
TPC110~119		11.0~11.9	4.48	3.5				
TPC120~129		12.0~12.9	4.19	3.5				
TPC130~139		13.0~13.9	6.93	4.0	13.0~14.9	FTNB02512	TW07S	0.8
TPC140~149		14.0~14.9	6.64	4.0				
TPC150~159		15.0~15.9	6.36	4.0	15.0~17.9	FTNB02512	TW07S	0.8
TPC160~169		16.0~16.9	6.07	5.5		FTNB02514		
TPC170~179		17.0~17.9	5.79	5.5				
TPC180~189		18.0~18.9	8.74	6.0	18.0~19.9	FTNB0316	TW09S	1.2
TPC190~199		19.0~19.9	8.42	6.0				
TPC200~209		20.0~20.9	8.17	6.5	20.0~23.9	FTNB0316	TW09S	1.2
TPC210~219		21.0~21.9	7.88	6.5				
TPC220~229		22.0~22.9	7.59	7.0		FTNB0319		
TPC230~239		23.0~23.9	7.3	7.0				
TPC240~249		24.0~24.9	9.56	7.5	24.0~25.9	FTNB03522	TW15S	3
TPC250~259		25.0~25.9	9.27	7.5				
TPC260~269		26.0~26.9	8.99	8.5	26.0~27.9	FTNB03524	TW15S	3
TPC270~279		27.0~27.9	8.7	8.5				
TPC280~289		28.0~28.9	8.03	9.5	28.0~29.9	FTNB0425	TW15S	3
TPC290~299		29.0~29.9	7.74	9.5				
TPC300~309		30.0~30.9	8.82	10	30.0~32.9	FTNB0528	TW20	4
TPC310~319		31.0~31.9	8.53	10				
TPC320~329		32.0~32.9	8.24	10				

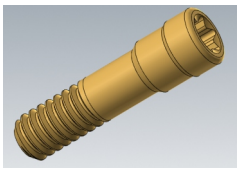
TPD侧锁式皇冠钻刀片

TPD Side locking interchangeable drill





型 号 Cat.No	重量 Kg	尺寸（mm） Dimension			钻头直径 Drill diameter	螺钉 Screw	扳手 Wrench	扭矩 Torque
		D	L	t				
TPD080B~109B		8.0~10.9	4.77	3.5	80~12.9	FTNB0209	TW06P	0.4
TPD110B~119B		11.0~11.9	4.48	3.5				
TPD120B~129B		12.0~12.9	4.19	3.5				
TPD130B~139B		13.0~13.9	6.93	4.0	13.0~14.9	FTNB02512	TW07S	0.8
TPD140B~149B		14.0~14.9	6.64	4.0				
TPD150B~159B		15.0~15.9	6.36	4.0	15.0~17.9	FTNB02512	TW07S	0.8
TPD160B~169B		16.0~16.9	6.07	5.5		FTNB02514		
TPD170B~179B		17.0~17.9	5.79	5.5				
TPD180B~189B		18.0~18.9	8.74	6.0	18.0~19.9	FTNB0316	TW09S	1.2
TPD190B~199B		19.0~19.9	8.42	6.0				
TPD200B~209B		20.0~20.9	8.17	6.5	20.0~23.9	FTNB0316	TW09S	1.2
TPD210B~219B		21.0~21.9	7.88	6.5				
TPD220B~229B		22.0~22.9	7.59	7.0		FTNB0319		
TPD230B~239B		23.0~23.9	7.3	7.0				
TPD240B~249B		24.0~24.9	9.56	7.5	24.0~25.9	FTNB03522	TW15S	3
TPD250B~259B		25.0~25.9	9.27	7.5				
TPD260B~269B		26.0~26.9	8.99	8.5	26.0~27.9	FTNB03524	TW15S	3
TPD270B~279B		27.0~27.9	8.7	8.5				
TPD280B~289B		28.0~28.9	8.03	9.5	28.0~29.9	FTNB0425	TW15S	3
TPD290B~299B		29.0~29.9	7.74	9.5				
TPD300B~309B		30.0~30.9	8.82	10	30.0~32.9	FTNB0528	TW20~100	4
TPD310B~319B		31.0~31.9	8.53	10				
TPD320B~329B		32.0~32.9	8.24	10				



TPD螺丝 TPD Screw

型 号 Cat.No	直径 Diameter
FTNB0209	10.0 ~ 12.9
FTNB02512	13.0 ~ 14.9
FTNB02514	15.0 ~ 17.9
FTNB0316	18.0 ~ 19.9
FTNB0319	20.0 ~ 23.9
FTNB03522	24.0 ~ 25.9
FTNB03524	26.0 ~ 27.9
FTNB0426	28.0 ~ 29.9
FTNB0528	30.0 ~ 32.9



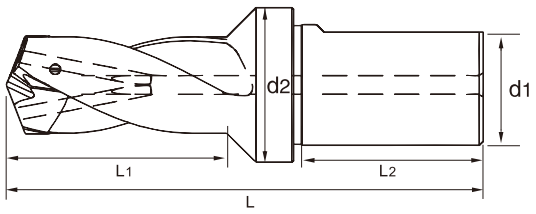
TPD扳手 TPD Wrench

型 号 Cat.No	直径 Diameter
TW06P	10.0 ~ 12.9
TW07S	13.0 ~ 17.9
TW09S	18.0 ~ 23.9
TW015S	24.0 ~ 29.9
TW20	30.0 ~ 32.9

TPD-3D侧锁式皇冠钻杆

TPD Side locking interchangeable drill--3D



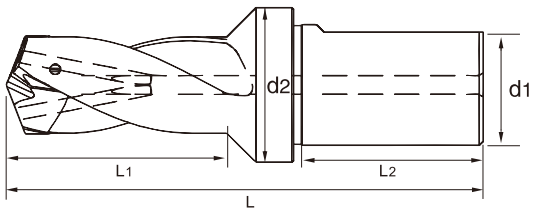


型号 Cat.No	重量 Kg	尺寸（mm） Dimension						刀片 Insert
		D	d1	d2	L1	L2	L	
TPD 090-16A-3D		9.0~9.9	16	20	20.0	48	85	TPD090B~99B
TPD 100-16A-3D		10.0~10.4	16	20	30.0	48	95	TPD100B~104B
TPD 105-16A-3D		10.5~10.9	16	20	31.5	48	96	TPD105B~109B
TPD 110-16A-3D		11.0~11.4	16	20	33.0	48	98	TPD110B~114B
TPD 115-16A-3D		11.5~11.9	16	20	34.5	48	99	TPD115B~119B
TPD 120-16A-3D		12.0~12.4	16	20	36.0	48	102	TPD120B~124B
TPD 125-16A-3D		12.5~12.9	16	20	37.5	48	104	TPD125B~123B
TPD 130-16A-3D		13.0~13.4	16	20	39.0	48	107	TPD130B~134B
TPD 135-16A-3D		13.5~13.9	16	20	40.5	48	109	TPD135B~139B
TPD 140-16A-3D		14.0~14.4	16	20	42.0	48	111	TPD140B~144B
TPD 145-16A-3D		14.5~14.9	16	20	43.5	48	114	TPD145B~149B
TPD 150-20A-3D		15.0~15.4	20	25	45.0	50	118	TPD150B~154B
TPD 155-20A-3D		15.5~15.9	20	25	46.5	50	120	TPD155B~159B
TPD 160-20A-3D		16.0~16,4	20	25	48.0	50	122	TPD160B~164B
TPD 165-20A-3D		16.5~16.9	20	25	49.5	50	124	TPD165B~169B
TPD 170-20A-3D		17.0~17.4	20	25	51.0	50	127	TPD170B~174B
TPD 175-20A-3D		17.5~17.9	20	25	52.5	50	129	TPD175B~179B
TPD 180-25A-3D		18.0~18.4	25	33	54.0	56	137	TPD180B~154B
TPD 185-25A-3D		18.5~18.9	25	33	56.5	56	139	TPD125B~189B
TPD 190-25A-3D		19.0~19.4	25	33	57.0	56	142	TPD190B~194B
TPD 195-25A-3D		19.5~19.9	25	33	58.5	56	144	TPD195B~199B
TPD 200-25A-3D		20.0~20.4	25	33	60.0	56	146	TPD200B~204B
TPD 205-25A-3D		20.5~20.9	25	33	61.5	56	148	TPD205B~209B
TPD 210-25A-3D		21.0~21.4	25	33	63.0	60	151	TPD210B~214B
TPD 215-25A-3D		21.5~21.9	25	33	64.5	60	153	TPD215B~219B
TPD 220-25A-3D		22.0~22.4	25	33	66.0	60	155	TPD220B~224B
TPD 225-25A-3D		22.5~22.9	25	33	67.5	60	157	TPD225B~229B
TPD 230-25A-3D		23.0~23.4	25	33	69.0	60	160	TPD230B~234B
TPD 235-25A-3D		23.5~23.9	25	33	70.5	60	162	TPD235B~239B
TPD 240-32A-3D		24.0~24.4	32	43	72.0	60	168	TPD240B~244B
TPD 245-32A-3D		24.5~24.9	32	43	73.5	60	170	TPD245B~249B
TPD 250-32A-3D		25.0~25.4	32	43	75.0	60	173	TPD250B~254B
TPD 255-32A-3D		25.5~25.9	32	43	76.5	60	175	TPD255B~259B
TPD 260-32A-3D		26.0~26.9	32	43	78.0	60	177	TPD260B~269B
TPD 270-32A-3D		27.0~27.9	32	43	81.0	60	182	TPD270B~279B
TPD 280-32A-3D		28.0~28.9	32	43	84.0	60	186	TPD280B~289B
TPD 290-32A-3D		29.0~29.9	32	43	87.0	60	191	TPD290B~299B
TPD 300-32A-3D		30.0~30.9	32	43	90.0	60	194	TPD300B~309B
TPD 310-32A-3D		31.0~31.9	32	43	93.0	60	199	TPD310B~319B
TPD 320-32A-3D		32.0~32.9	32	43	96.0	60	201	TPD320B~329B

TPD-5D侧锁式皇冠钻杆

TPD Side locking interchangeable drill--5D



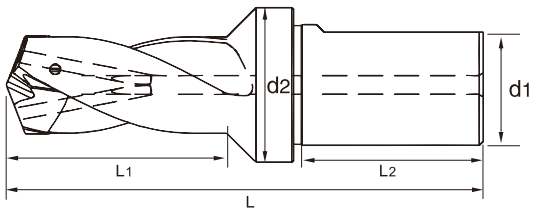


型号 Cat.No	重量 Kg	尺寸（mm） Dimension						刀片 Insert
		D	d1	d2	L1	L2	L	
TPD 090-16A-5D		9.0~9.9	16	20	45.0	48	110	TPD090B~99B
TPD 100-16A-5D		10.0~10.4	16	20	50.0	48	115	TPD100B~104B
TPD 105-16A-5D		10.5~10.9	16	20	52.5	48	117	TPD105B~109B
TPD 110-16A-5D		11.0~11.4	16	20	55.0	48	120	TPD110B~114B
TPD 115-16A-5D		11.5~11.9	16	20	57.5	48	123	TPD115B~119B
TPD 120-16A-5D		12.0~12.4	16	20	60.0	48	126	TPD120B~124B
TPD 125-16A-5D		12.5~12.9	16	20	62.5	48	123	TPD125B~123B
TPD 130-16A-5D		13.0~13.4	16	20	65.0	48	133	TPD130B~134B
TPD 135-16A-5D		13.5~13.9	16	20	67.5	48	136	TPD135B~139B
TPD 140-16A-5D		14.0~14.4	16	20	70.0	48	139	TPD140B~144B
TPD 145-16A-5D		14.5~14.9	16	20	72.5	48	143	TPD145B~149B
TPD 150-20A-5D		15.0~15.4	20	25	75.0	50	148	TPD150B~154B
TPD 155-20A-5D		15.5~15.9	20	25	77.5	50	151	TPD155B~159B
TPD 160-20A-5D		16.0~16,4	20	25	80.0	50	154	TPD160B~164B
TPD 165-20A-5D		16.5~16.9	20	25	82.5	50	157	TPD165B~169B
TPD 170-20A-5D		17.0~17.4	20	25	85.0	50	161	TPD170B~174B
TPD 175-20A-5D		17.5~17.9	20	25	87.5	50	164	TPD175B~179B
TPD 180-25A-5D		18.0~18.4	25	33	90.0	56	173	TPD180B~154B
TPD 185-25A-5D		18.5~18.9	25	33	92.5	56	176	TPD125B~189B
TPD 190-25A-5D		19.0~19.4	25	33	95.0	56	180	TPD190B~194B
TPD 195-25A-5D		19.5~19.9	25	33	97.5	56	153	TPD195B~199B
TPD 200-25A-5D		20.0~20.4	25	33	100.0	56	126	TPD200B~204B
TPD 205-25A-5D		20.5~20.9	25	33	102.5	56	189	TPD205B~209B
TPD 210-25A-5D		21.0~21.4	25	33	105.0	60	193	TPD210B~214B
TPD 215-25A-5D		21.5~21.9	25	33	107.5	60	196	TPD215B~219B
TPD 220-25A-5D		22.0~22.4	25	33	110.0	60	199	TPD220B~224B
TPD 225-25A-5D		22.5~22.9	25	33	112.5	60	202	TPD225B~229B
TPD 230-25A-5D		23.0~23.4	25	33	115.0	60	206	TPD230B~234B
TPD 235-25A-5D		23.5~23.9	25	33	117.5	60	209	TPD235B~239B
TPD 240-32A-5D		24.0~24.4	32	43	120.0	60	216	TPD240B~244B
TPD 245-32A-5D		24.5~24.9	32	43	122.5	60	219	TPD245B~249B
TPD 250-32A-5D		25.0~25.4	32	43	125.0	60	223	TPD250B~254B
TPD 255-32A-5D		25.5~25.9	32	43	127.5	60	226	TPD255B~259B
TPD 260-32A-5D		26.0~26.9	32	43	130.0	60	229	TPD260B~269B
TPD 270-32A-5D		27.0~27.9	32	43	135.0	60	236	TPD270B~279B
TPD 280-32A-5D		28.0~28.9	32	43	140.0	60	242	TPD280B~289B
TPD 290-32A-5D		29.0~29.9	32	43	145.0	60	249	TPD290B~299B
TPD 300-32A-5D		30.0~30.9	32	43	150.0	60	254	TPD300B~309B
TPD 310-32A-5D		31.0~31.9	32	43	155.0	60	261	TPD310B~319B
TPD 320-32A-5D		32.0~32.9	32	43	160.0	60	265	TPD320B~329B

TPD-8D侧锁式皇冠钻杆

TPD Side locking interchangeable drill--8D





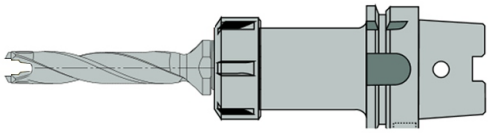
型号 Cat.No	重量 Kg	尺寸（mm） Dimension						刀片 Insert
		D	d1	d2	L1	L2	L	
TPD 100-16A-8D		10.0~10.4	16	20	80	48	145.0	TPD100B~104B
TPD 105-16A-8D		10.5~10.9	16	20	84	48	149.0	TPD105B~109B
TPD 110-16A-8D		11.0~11.4	16	20	88	48	153.0	TPD110B~114B
TPD 115-16A-BD		11.5~11.9	16	20	92	48	157.0	TPD115B~119B
TPD 120-16A-8D		12.0~12.4	16	20	96	48	162.0	TPD120B~124B
TPD 125-16A-8D		12.5~12.9	16	20	100	48	166.5	TPD125B~123B
TPD 130-16A-8D		13.0~13.4	16	20	104	48	172.0	TPD130B~134B
TPD 135-16A-8D		13.5~13.9	16	20	108	48	176.5	TPD135B~139B
TPD 140-16A-8D		14.0~14.4	16	20	112	48	181.0	TPD140B~144B
TPD 145-16A-8D		14.5~14.9	16	20	116	48	186.5	TPD145B~149B
TPD 150-20A-8D		15.0~15.4	20	25	120	50	193.0	TPD150B~154B
TPD 155-20A-8D		15.5~15.9	20	25	124	50	197.5	TPD155B~159B
TPD 160-20A-8D		16.0~16,4	20	25	128	50	202.0	TPD160B~164B
TPD 165-20A-8D		16.5~16.9	20	25	132	50	206.5	TPD165B~169B
TPD 170-20A-8D		17.0~17.4	20	25	136	50	212.0	TPD170B~174B
TPD 175-20A-8D		17.5~17.9	20	25	140	50	216.5	TPD175B~179B
TPD 180-25A-8D		18.0~18.4	25	33	144	56	227.0	TPD180B~154B
TPD 185-25A-8D		18.5~18.9	25	33	148	56	231.5	TPD125B~189B
TPD 190-25A-8D		19.0~19.4	25	33	152	56	237.0	TPD190B~194B
TPD 195-25A-8D		19.5~19.9	25	33	156	56	241.5	TPD195B~199B
TPD 200-25A-8D		20.0~20.4	25	33	160	56	246.0	TPD200B~204B
TPD 205-25A-8D		20.5~20.9	25	33	164	56	250.5	TPD205B~209B
TPD 210-25A-8D		21.0~21.4	25	33	168	60	256.0	TPD210B~214B
TPD 215-25A-8D		21.5~21.9	25	33	172	60	280.5	TPD215B~219B
TPD 220-25A-8D		22.0~22.4	25	33	176	60	265.0	TPD220B~224B
TPD 225-25A-8D		22.5~22.9	25	33	180	60	269.5	TPD225B~229B
TPD 230-25A-8D		23.0~23.4	25	33	184	60	275.0	TPD230B~234B
TPD 235-25A-8D		23.5~23.9	25	33	188	60	279.5	TPD235B~239B
TPD 240-32A-8D		24.0~24.4	32	43	192	60	288.0	TPD240B~244B
TPD 245-32A-8D		24.5~24.9	32	43	196	60	292.5	TPD245B~249B
TPD 250-32A-8D		25.0~25.4	32	43	200	60	298.0	TPD250B~254B
TPD 255-32A-8D		25.5~25.9	32	43	204	60	302.5	TPD255B~259B
TPD 260-32A-8D		26.0~26.9	32	43	208	60	307.0	TPD260B~269B
TPD 270-32A-8D		27.0~27.9	32	43	216	60	317.0	TPD270B~279B
TPD 280-32A-8D		28.0~28.9	32	43	224	60	326.0	TPD280B~289B
TPD 290-32A-8D		29.0~29.9	32	43	232	60	336.0	TPD290B~299B
TPD 300-32A-8D		30.0~30.9	32	43	240	60	344.0	TPD300B~309B
TPD 310-32A-8D		31.0~31.9	32	43	248	60	354.0	TPD310B~319B
TPD 320-32A-8D		32.0~32.9	32	43	256	60	361.0	TPD320B~329B

ICD Self-Locking Crown Drill Installation Guide

ICD自锁式皇冠钻安装指南

Mounting the toolholder to the tool shank For better insert mounting, mount the tool shank to the machine or pre-set the tool.

❶ 将刀杆安装到刀柄为了更好安装刀片，将刀柄安装到机床上或预先设置刀具



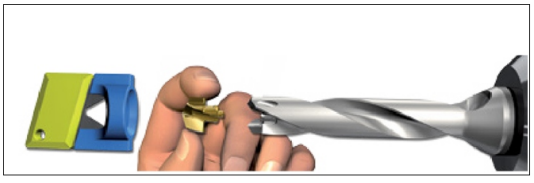
Spray the dust off with an air gun

❷ 用气枪喷净灰尘



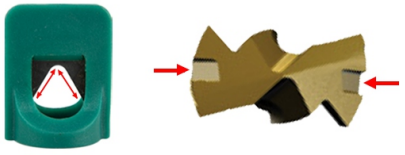
Place the blade into the drill pipe and rotate clockwise (wear gloves to prevent scratches).

❸ 将刀片置入钻杆，顺时针旋转（戴上手套防止划伤）



Snap the spanner into the blade slot

❹ 将扳手卡进刀片槽中



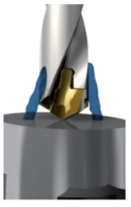
Turn the spanner clockwise to snap the blade into the drill pipe

❺ 顺时针旋转扳手，将刀片卡入钻杆



Cooling method

冷却方式



建议在所以应用中采用内冷方式

Internal cooling is recommended for this application



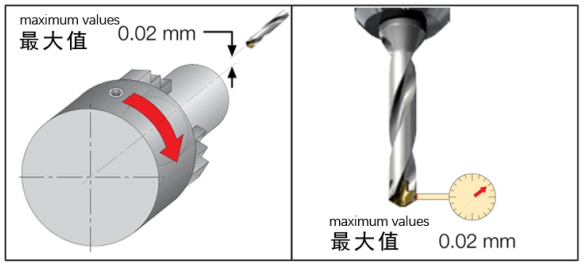
在钻孔深度2×D的情况下使用外冷方式

Use of external cooling at a drilling depth of 2 x D



不建议干式加工方法。

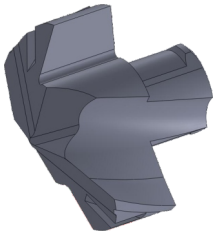
Dry processing methods are not recommended.

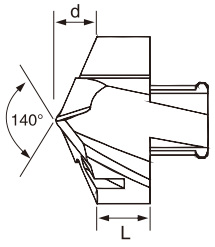


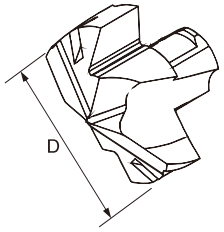
ICD 自锁式标准皇冠钻刀片

ICD Self-locking interchange drill tips









尺寸（mm） Dimension			
Dmin(1)	d	L	SSC
8	1.2	4.2	8
8.1	1.22	4.18	8
8.2	1.24	4.16	8
8.3	1.25	4.15	8
8.4	1.27	4.13	8
8.5	1.29	4.11	8
8.6	1.31	4.09	8
8.7	1.33	4.07	8
8.8	1.35	4.05	8
8.9	1.36	4.04	8
9	1.35	4.45	9
9.1	1.37	4.43	9
9.2	1.39	4.41	9
9.3	1.4	4.4	9
9.4	1.42	4.38	9
9.5	1.44	4.36	9
9.6	1.46	4.34	9
9.7	1.48	4.32	9
9.8	1.5	4.3	9
9.9	1.51	4.29	9
10	1.5	4.7	10
10.1	1.52	4.68	10
10.2	1.54	4.66	10
10.3	1.55	4.65	10
10.4	1.57	4.63	10
10.5	1.59	4.61	10
10.6	1.61	4.59	10
10.7	1.63	4.57	10
10.8	1.65	4.55	10
10.9	1.66	4.54	10
11	1.67	4.93	11
11.1	1.69	4.91	11
11.2	1.71	4.89	11
11.3	1.72	4.88	11
11.4	1.74	4.86	11
11.5	1.76	4.84	11
11.6	1.78	4.82	11
11.7	1.8	4.8	11
11.8	1.82	4.78	11
11.9	1.83	4.77	11

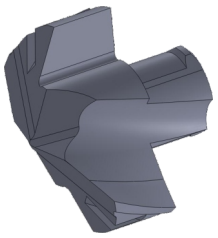
尺寸（mm） Dimension			
Dmin(1)	d	L	SSC
12	1.82	5.18	12
12.1	1.84	5.16	12
12.2	1.86	5.14	12
12.3	1.87	5.13	12
12.4	1.89	5.11	12
12.5	1.91	5.09	12
12.6	1.93	5.07	12
12.7	1.95	5.05	12
12.8	1.97	5.03	12
12.9	1.98	5.02	12
13	1.96	5.64	13
13.1	1.98	5.62	13
13.2	2	5.6	13
13.3	2.01	5.59	13
13.4	2.03	5.57	13
13.5	2.05	5.55	13
13.6	2.07	5.53	13
13.7	2.09	5.51	13
13.8	2.11	5.49	13
13.9	2.12	5.48	13
14	2.12	6.03	14
14.1	2.14	6.01	14
14.2	2.16	5.99	14
14.3	2.17	5.98	14
14.4	2.19	5.96	14
14.5	2.21	5.94	14
14.6	2.23	5.92	14
14.7	2.25	5.9	14
14.8	2.27	5.88	14
14.9	2.28	5.87	14
15	2.27	6.46	15
15.1	2.29	6.44	15
15.2	2.31	6.42	15
15.3	2.32	6.41	15
15.4	2.34	6.39	15
15.5	2.36	6.37	15
15.6	2.38	6.35	15
15.7	2.4	6.33	15
15.8	2.42	6.31	15
15.9	2.43	6.3	15

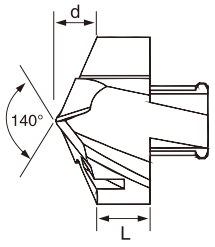
尺寸（mm） Dimension			
Dmin(1)	d	L	SSC
16	2.42	6.88	16
16.1	2.44	6.86	16
16.2	2.46	6.84	16
16.3	2.47	6.83	16
16.4	2.49	6.81	16
16.5	2.51	6.79	16
16.6	2.53	6.77	16
16.7	2.55	6.75	16
16.8	2.57	6.73	16
16.9	2.58	6.72	16
17	2.59	7.31	17
17.1	2.61	7.29	17
17.2	2.63	7.27	17
17.3	2.64	7.26	17
17.4	2.66	7.24	17
17.5	2.68	7.22	17
17.6	2.7	7.2	17
17.7	2.72	7.18	17
17.8	2.74	7.16	17
17.9	2.75	7.15	17
18	2.73	7.77	18
18.1	2.75	7.75	18
18.2	2.77	7.73	18
18.3	2.78	7.72	18
18.4	2.8	7.7	18
18.5	2.82	7.68	18
18.6	2.84	7.66	18
18.7	2.86	7.64	18
18.8	2.88	7.62	18
18.9	2.89	7.61	18

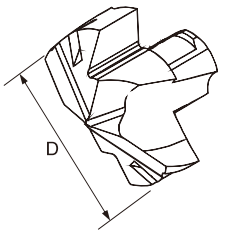
ICD 自锁式标准皇冠钻刀片

ICD Self-locking interchange drill tips









尺寸（mm） Dimension			
Dmin(1)	d	L	SSC
19	2.88	8.12	19
19.05	2.89	8.11	19
19.1	2.9	8.1	19
19.2	2.92	8.08	19
19.27	2.93	8.07	19
19.3	2.93	8.07	19
19.4	2.95	8.05	19
19.5	2.97	8.03	19
19.6	2.99	8.01	19
19.7	3.01	7.99	19
19.8	3.03	7.97	19
19.9	3.04	7.96	19
20	3.02	8.58	20
20.1	3.04	8.56	20
20.2	3.06	8.54	20
20.3	3.07	8.53	20
20.4	3.09	8.51	20
20.5	3.11	8.49	20
20.6	3.13	8.47	20
20.7	3.15	8.45	20
20.8	3.17	8.43	20
20.9	3.18	8.42	20
21	3.18	9	21
21.1	3.2	8.98	21
21.2	3.22	8.96	21
21.3	3.23	8.95	21
21.4	3.25	8.93	21
21.5	3.27	8.91	21
21.6	3.29	8.89	21
21.7	3.31	8.87	21
21.8	3.33	8.85	21
21.9	3.34	8.84	21
22	3.32	9.44	22
22.1	3.34	9.42	22
22.2	3.36	9.4	22
22.3	3.37	9.39	22
22.4	3.39	9.37	22
22.5	3.41	9.35	22
22.6	3.43	9.33	22
22.7	3.45	9.31	22
22.8	3.47	9.29	22
22.9	3.48	9.28	22
23	3.46	9.87	23
23.1	3.48	9.85	23
23.2	3.5	9.83	23
23.3	3.51	9.82	23
23.4	3.53	9.8	23
23.5	3.55	9.78	23
23.6	3.57	9.76	23
23.7	3.59	9.74	23
23.8	3.61	9.72	23
23.9	3.62	9.71	23

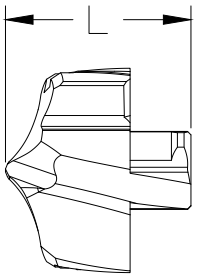
尺寸（mm） Dimension			
Dmin(1)	d	L	SSC
24	3.62	10.28	24
24.1	3.64	10.26	24
24.2	3.66	10.24	24
24.3	3.67	10.23	24
24.4	3.69	10.21	24
24.5	3.71	10.19	24
24.6	3.73	10.17	24
24.7	3.75	10.15	24
24.8	3.77	10.13	24
24.9	3.78	10.12	24
25	3.8	10.7	25
25.1	3.82	10.68	25
25.2	3.84	10.66	25
25.3	3.85	10.65	25
25.4	3.87	10.63	25
25.5	3.89	10.61	25
25.6	3.91	10.59	25
25.7	3.93	10.57	25
25.8	3.95	10.55	25
25.9	3.96	10.54	25
26	3.95	11.12	26
26.1	3.97	11.1	26
26.2	3.99	11.08	26
26.3	4	11.07	26
26.4	4.02	11.05	26
26.5	4.04	11.03	26
26.6	4.06	11.01	26
26.7	4.08	10.99	26
26.8	4.1	10.97	26
26.9	4.11	10.96	26
27	4.1	11.55	27
27.1	4.12	11.53	27
27.2	4.14	11.51	27
27.3	4.15	11.5	27
27.4	4.17	11.48	27
27.5	4.19	11.46	27
27.6	4.21	11.44	27
27.7	4.23	11.42	27
27.8	4.25	11.4	27
27.9	4.26	11.39	27
28	4.25	11.97	28
28.1	4.27	11.95	28
28.2	4.29	11.93	28
28.3	4.3	11.92	28
28.4	4.32	11.9	28
28.5	4.34	11.88	28
28.58	4.36	11.86	28
28.6	4.36	11.86	28
28.7	4.38	11.84	28
28.8	4.4	11.82	28
28.9	4.41	11.81	28

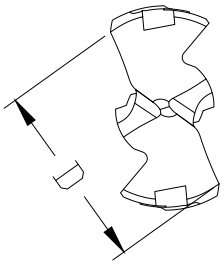
尺寸（mm） Dimension			
Dmin(1)	d	L	SSC
29	4.43	12.37	29
29.1	4.45	12.35	29
29.2	4.47	12.33	29
29.3	4.48	12.32	29
29.4	4.5	12.3	29
29.5	4.52	12.28	29
29.6	4.54	12.26	29
29.7	4.56	12.24	29
29.8	4.58	12.22	29
29.9	4.59	12.21	29
30	4.59	12.79	30
30.1	4.61	12.77	30
30.2	4.63	12.75	30
30.3	4.64	12.74	30
30.4	4.66	12.72	30
30.5	4.68	12.7	30
30.6	4.7	12.68	30
30.7	4.72	12.66	30
30.8	4.74	12.64	30
30.9	4.75	12.63	30
31	4.76	13.2	31
31.1	4.78	13.18	31
31.2	4.8	13.16	31
31.3	4.81	13.15	31
31.4	4.83	13.13	31
31.5	4.85	13.11	31
31.6	4.87	13.09	31
31.7	4.89	13.07	31
31.75	4.9	13.06	31
31.8	4.91	13.05	31
31.9	4.92	13.04	31
32	4.86	13.68	32
32.1	4.88	13.66	32
32.2	4.9	13.64	32
32.3	4.91	13.63	32
32.4	4.93	13.61	32
32.5	4.95	13.59	32
32.6	4.97	13.57	32
32.7	4.99	13.55	32
32.8	5.01	13.53	32
32.9	5.02	13.52	32

ICP自锁式带定心钻尖

ICP Crown Drill, side-locking flat-bottom drill insert







型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICP080	8	1.2	4.2	8
ICP081	8.1	1.22	4.18	8
ICP082	8.2	1.24	4.16	8
ICP083	8.3	1.25	4.15	8
ICP084	8.4	1.27	4.13	8
ICP085	8.5	1.29	4.11	8
ICP086	8.6	1.31	4.09	8
ICP087	8.7	1.33	4.07	8
ICP088	8.8	1.35	4.05	8
ICP089	8.9	1.36	4.04	8
ICP090	9	1.35	4.45	9
ICP091	9.1	1.37	4.43	9
ICP092	9.2	1.39	4.41	9
ICP093	9.3	1.4	4.4	9
ICP094	9.4	1.42	4.38	9
ICP095	9.5	1.44	4.36	9
ICP096	9.6	1.46	4.34	9
ICP097	9.7	1.48	4.32	9
ICP098	9.8	1.5	4.3	9
ICP099	9.9	1.51	4.29	9
ICP100	10	1.5	4.7	10
ICP101	10.1	1.52	4.68	10
ICP102	10.2	1.54	4.66	10
ICP103	10.3	1.55	4.65	10
ICP104	10.4	1.57	4.63	10
ICP105	10.5	1.59	4.61	10
ICP106	10.6	1.61	4.59	10
ICP107	10.7	1.63	4.57	10
ICP108	10.8	1.65	4.55	10
ICP109	10.9	1.66	4.54	10
ICP110	11	1.67	4.93	11
ICP111	11.1	1.69	4.91	11
ICP112	11.2	1.71	4.89	11
ICP113	11.3	1.72	4.88	11
ICP114	11.4	1.74	4.86	11
ICP115	11.5	1.76	4.84	11
ICP116	11.6	1.78	4.82	11
ICP117	11.7	1.8	4.8	11
ICP118	11.8	1.82	4.78	11
ICP119	11.9	1.83	4.77	11

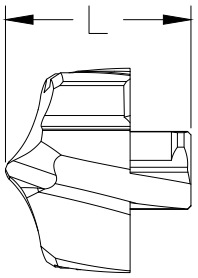
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICP120	12	1.82	5.18	12
ICP121	12.1	1.84	5.16	12
ICP122	12.2	1.86	5.14	12
ICP123	12.3	1.87	5.13	12
ICP124	12.4	1.89	5.11	12
ICP125	12.5	1.91	5.09	12
ICP126	12.6	1.93	5.07	12
ICP127	12.7	1.95	5.05	12
ICP128	12.8	1.97	5.03	12
ICP129	12.9	1.98	5.02	12
ICP130	13	1.96	5.64	13
ICP131	13.1	1.98	5.62	13
ICP132	13.2	2	5.6	13
ICP133	13.3	2.01	5.59	13
ICP134	13.4	2.03	5.57	13
ICP135	13.5	2.05	5.55	13
ICP136	13.6	2.07	5.53	13
ICP137	13.7	2.09	5.51	13
ICP138	13.8	2.11	5.49	13
ICP139	13.9	2.12	5.48	13
ICP140	14	2.12	6.03	14
ICP141	14.1	2.14	6.01	14
ICP142	14.2	2.16	5.99	14
ICP143	14.3	2.17	5.98	14
ICP144	14.4	2.19	5.96	14
ICP145	14.5	2.21	5.94	14
ICP146	14.6	2.23	5.92	14
ICP147	14.7	2.25	5.9	14
ICP148	14.8	2.27	5.88	14
ICP149	14.9	2.28	5.87	14
ICP150	15	2.27	6.46	15
ICP151	15.1	2.29	6.44	15
ICP152	15.2	2.31	6.42	15
ICP153	15.3	2.32	6.41	15
ICP154	15.4	2.34	6.39	15
ICP155	15.5	2.36	6.37	15
ICP156	15.6	2.38	6.35	15
ICP157	15.7	2.4	6.33	15
ICP158	15.8	2.42	6.31	15
ICP159	15.9	2.43	6.3	15

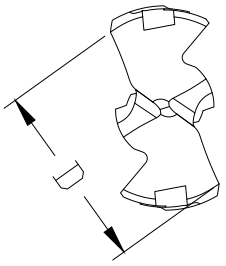
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICP160	16	2.42	6.88	16
ICP161	16.1	2.44	6.86	16
ICP162	16.2	2.46	6.84	16
ICP163	16.3	2.47	6.83	16
ICP164	16.4	2.49	6.81	16
ICP165	16.5	2.51	6.79	16
ICP166	16.6	2.53	6.77	16
ICP167	16.7	2.55	6.75	16
ICP168	16.8	2.57	6.73	16
ICP169	16.9	2.58	6.72	16
ICP170	17	2.59	7.31	17
ICP171	17.1	2.61	7.29	17
ICP172	17.2	2.63	7.27	17
ICP173	17.3	2.64	7.26	17
ICP174	17.4	2.66	7.24	17
ICP175	17.5	2.68	7.22	17
ICP176	17.6	2.7	7.2	17
ICP177	17.7	2.72	7.18	17
ICP178	17.8	2.74	7.16	17
ICP179	17.9	2.75	7.15	17
ICP180	18	2.73	7.77	18
ICP181	18.1	2.75	7.75	18
ICP182	18.2	2.77	7.73	18
ICP183	18.3	2.78	7.72	18
ICP184	18.4	2.8	7.7	18
ICP185	18.5	2.82	7.68	18
ICP186	18.6	2.84	7.66	18
ICP187	18.7	2.86	7.64	18
ICP188	18.8	2.88	7.62	18
ICP189	18.9	2.89	7.61	18
ICP190	19	2.88	8.12	19
ICP191	19.1	2.9	8.10	19
ICP192	19.2	2.92	8.08	19
ICP193	19.3	2.93	8.07	19
ICP194	19.4	2.95	8.05	19
ICP195	19.5	2.97	8.03	19
ICP196	19.6	2.99	8.01	19
ICP197	19.7	3.01	7.99	19
ICP198	19.8	3.03	7.97	19
ICP199	19.9	3.04	7.96	19

ICP自锁式带定心钻尖

ICP Crown Drill, side-locking flat-bottom drill insert







型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICP200	20	3.02	8.58	20
ICP201	20.1	3.04	8.56	20
ICP202	20.2	3.06	8.54	20
ICP203	20.3	3.07	8.53	20
ICP204	20.4	3.09	8.51	20
ICP205	20.5	3.11	8.49	20
ICP206	20.6	3.13	8.47	20
ICP207	20.7	3.15	8.45	20
ICP208	20.8	3.17	8.43	20
ICP209	20.9	3.18	8.42	20
ICP210	21	3.18	9	21
ICP211	21.1	3.2	8.98	21
ICP212	21.2	3.22	8.96	21
ICP213	21.3	3.23	8.95	21
ICP214	21.4	3.25	8.93	21
ICP215	21.5	3.27	8.91	21
ICP216	21.6	3.29	8.89	21
ICP217	21.7	3.31	8.87	21
ICP218	21.8	3.33	8.85	21
ICP219	21.9	3.34	8.84	21
ICP220	22	3.32	9.44	22
ICP221	22.1	3.34	9.42	22
ICP222	22.2	3.36	9.4	22
ICP223	22.3	3.37	9.39	22
ICP224	22.4	3.39	9.37	22
ICP225	22.5	3.41	9.35	22
ICP226	22.6	3.43	9.33	22
ICP227	22.7	3.45	9.31	22
ICP228	22.8	3.47	9.29	22
ICP229	22.9	3.48	9.28	22
ICP230	23	3.46	9.87	23
ICP231	23.1	3.48	9.85	23
ICP232	23.2	3.5	9.83	23
ICP233	23.3	3.51	9.82	23
ICP234	23.4	3.53	9.8	23
ICP235	23.5	3.55	9.78	23
ICP236	23.6	3.57	9.76	23
ICP237	23.7	3.59	9.74	23
ICP238	23.8	3.61	9.72	23
ICP239	23.9	3.62	9.71	23

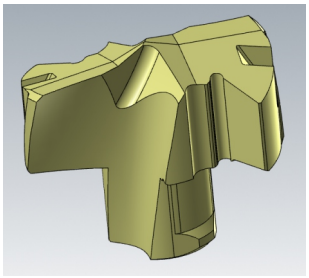
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICP240	24	3.62	10.28	24
ICP241	24.1	3.64	10.26	24
ICP242	24.2	3.66	10.24	24
ICP243	24.3	3.67	10.23	24
ICP244	24.4	3.69	10.21	24
ICP245	24.5	3.71	10.19	24
ICP246	24.6	3.73	10.17	24
ICP247	24.7	3.75	10.15	24
ICP248	24.8	3.77	10.13	24
ICP249	24.9	3.78	10.12	24
ICP250	25	3.8	10.7	25
ICP251	25.1	3.82	10.68	25
ICP252	25.2	3.84	10.66	25
ICP253	25.3	3.85	10.65	25
ICP254	25.4	3.87	10.63	25
ICP255	25.5	3.89	10.61	25
ICP256	25.6	3.91	10.59	25
ICP257	25.7	3.93	10.57	25
ICP258	25.8	3.95	10.55	25
ICP259	25.9	3.96	10.54	25
ICP260	26	3.95	11.12	26
ICP261	26.1	3.97	11.1	26
ICP262	26.2	3.99	11.08	26
ICP263	26.3	4	11.07	26
ICP264	26.4	4.02	11.05	26
ICP265	26.5	4.04	11.03	26
ICP266	26.6	4.06	11.01	26
ICP267	26.7	4.08	10.99	26
ICP268	26.8	4.1	10.97	26
ICP269	26.9	4.11	10.96	26
ICP270	27	4.1	11.55	27
ICP271	27.1	4.12	11.53	27
ICP272	27.2	4.14	11.51	27
ICP273	27.3	4.15	11.5	27
ICP274	27.4	4.17	11.48	27
ICP275	27.5	4.19	11.46	27
ICP276	27.6	4.21	11.44	27
ICP277	27.7	4.23	11.42	27
ICP278	27.8	4.25	11.4	27
ICP279	27.9	4.26	11.39	27
ICP280	28	4.25	11.97	28
ICP281	28.1	4.27	11.95	28
ICP282	28.2	4.29	11.93	28
ICP283	28.3	4.3	11.92	28
ICP284	28.4	4.32	11.9	28

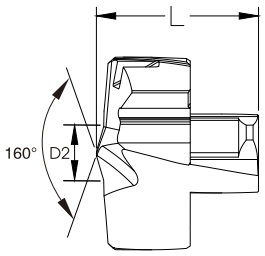
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICP285	28.5	4.34	11.88	28
ICP286	28.6	4.36	11.86	28
ICP287	28.7	4.38	11.84	28
ICP288	28.8	4.4	11.82	28
ICP289	28.9	4.41	11.81	28
ICP290	29	4.43	12.37	29
ICP291	29.1	4.45	12.35	29
ICP292	29.2	4.47	12.33	29
ICP293	29.3	4.48	12.32	29
ICP294	29.4	4.5	12.3	29
ICP295	29.5	4.52	12.28	29
ICP296	29.6	4.54	12.26	29
ICP297	29.7	4.56	12.24	29
ICP298	29.8	4.58	12.22	29
ICP299	29.9	4.59	12.21	29
ICP300	30	4.59	12.79	30
ICP301	30.1	4.61	12.77	30
ICP302	30.2	4.63	12.75	30
ICP303	30.3	4.64	12.74	30
ICP304	30.4	4.66	12.72	30
ICP305	30.5	4.68	12.7	30
ICP306	30.6	4.7	12.68	30
ICP307	30.7	4.72	12.66	30
ICP308	30.8	4.74	12.64	30
ICP309	30.9	4.75	12.63	30
ICP310	31	4.76	13.2	31
ICP311	31.1	4.78	13.18	31
ICP312	31.2	4.8	13.16	31
ICP313	31.3	4.81	13.15	31
ICP314	31.4	4.83	13.13	31
ICP315	31.5	4.85	13.11	31
ICP316	31.6	4.87	13.09	31
ICP317	31.7	4.89	13.07	31
ICP318	31.8	4.91	13.05	31
ICP319	31.9	4.92	13.04	31
ICP320	32	4.86	13.68	32
ICP321	32.1	4.88	13.66	32
ICP322	32.2	4.9	13.64	32
ICP323	32.3	4.91	13.63	32
ICP324	32.4	4.93	13.61	32
ICP325	32.5	4.95	13.59	32
ICP326	32.6	4.97	13.57	32
ICP327	32.7	4.99	13.55	32
ICP328	32.8	5.01	13.53	32
ICP329	32.9	5.02	13.52	32

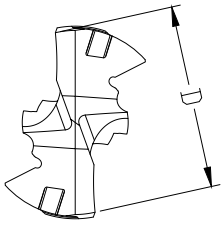
FCP自锁式平底钻尖

FCP Crown Drill, side-locking flat-bottom drill insert









型号 Cat.No	尺寸（mm） Dimension				
	Dmin(1)	d	d_2	L	SSC
FCP080	8	1.2	2.44	4.2	8
FCP081	8.1	1.22	2.44	4.18	8
FCP082	8.2	1.24	2.44	4.16	8
FCP083	8.3	1.25	2.44	4.15	8
FCP084	8.4	1.27	2.44	4.13	8
FCP085	8.5	1.29	2.44	4.11	8
FCP086	8.6	1.31	2.44	4.09	8
FCP087	8.7	1.33	2.44	4.07	8
FCP088	8.8	1.35	2.44	4.05	8
FCP089	8.9	1.36	2.44	4.04	8
FCP090	9	1.35	2.55	4.45	9
FCP091	9.1	1.37	2.55	4.43	9
FCP092	9.2	1.39	2.55	4.41	9
FCP093	9.3	1.4	2.55	4.4	9
FCP094	9.4	1.42	2.55	4.38	9
FCP095	9.5	1.44	2.55	4.36	9
FCP096	9.6	1.46	2.55	4.34	9
FCP097	9.7	1.48	2.55	4.32	9
FCP098	9.8	1.5	2.55	4.3	9
FCP099	9.9	1.51	2.55	4.29	9
FCP100	10	1.5	2.89	4.7	10
FCP101	10.1	1.52	2.89	4.68	10
FCP102	10.2	1.54	2.89	4.66	10
FCP103	10.3	1.55	2.89	4.65	10
FCP104	10.4	1.57	2.89	4.63	10
FCP105	10.5	1.59	2.89	4.61	10
FCP106	10.6	1.61	2.89	4.59	10
FCP107	10.7	1.63	2.89	4.57	10
FCP108	10.8	1.65	2.89	4.55	10
FCP109	10.9	1.66	2.89	4.54	10
FCP110	11	1.67	2.98	4.93	11
FCP111	11.1	1.69	2.98	4.91	11
FCP112	11.2	1.71	2.98	4.89	11
FCP113	11.3	1.72	2.98	4.88	11
FCP114	11.4	1.74	2.98	4.86	11
FCP115	11.5	1.76	2.98	4.84	11
FCP116	11.6	1.78	2.98	4.82	11
FCP117	11.7	1.8	2.98	4.8	11
FCP118	11.8	1.82	2.98	4.78	11
FCP119	11.9	1.83	2.98	4.77	11

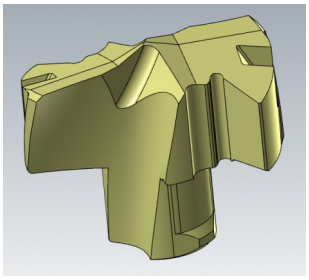
型号 Cat.No	尺寸（mm） Dimension				
	Dmin(1)	d	d_2	L	SSC
FCP120	12	1.82	3.13	5.18	12
FCP121	12.1	1.84	3.13	5.16	12
FCP122	12.2	1.86	3.13	5.14	12
FCP123	12.3	1.87	3.13	5.13	12
FCP124	12.4	1.89	3.13	5.11	12
FCP125	12.5	1.91	3.13	5.09	12
FCP126	12.6	1.93	3.13	5.07	12
FCP127	12.7	1.95	3.13	5.05	12
FCP128	12.8	1.97	3.13	5.03	12
FCP129	12.9	1.98	3.13	5.02	12
FCP130	13	1.96	3.52	5.64	13
FCP131	13.1	1.98	3.52	5.62	13
FCP132	13.2	2	3.52	5.6	13
FCP133	13.3	2.01	3.52	5.59	13
FCP134	13.4	2.03	3.52	5.57	13
FCP135	13.5	2.05	3.52	5.55	13
FCP136	13.6	2.07	3.52	5.53	13
FCP137	13.7	2.09	3.52	5.51	13
FCP138	13.8	2.11	3.52	5.49	13
FCP139	13.9	2.12	3.52	5.48	13
FCP140	14	2.12	3.81	6.03	14
FCP141	14.1	2.14	3.81	6.01	14
FCP142	14.2	2.16	3.81	5.99	14
FCP143	14.3	2.17	3.81	5.98	14
FCP144	14.4	2.19	3.81	5.96	14
FCP145	14.5	2.21	3.81	5.94	14
FCP146	14.6	2.23	3.81	5.92	14
FCP147	14.7	2.25	3.81	5.9	14
FCP148	14.8	2.27	3.81	5.88	14
FCP149	14.9	2.28	3.81	5.87	14
FCP150	15	2.27	4.24	6.46	15
FCP151	15.1	2.29	4.24	6.44	15
FCP152	15.2	2.31	4.24	6.42	15
FCP153	15.3	2.32	4.24	6.41	15
FCP154	15.4	2.34	4.24	6.39	15
FCP155	15.5	2.36	4.24	6.37	15
FCP156	15.6	2.38	4.24	6.35	15
FCP157	15.7	2.4	4.24	6.33	15
FCP158	15.8	2.42	4.24	6.31	15
FCP159	15.9	2.43	4.24	6.3	15

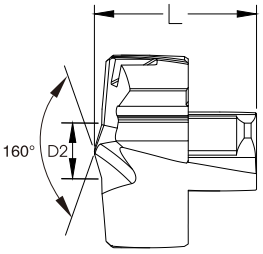
型号 Cat.No	尺寸（mm） Dimension				
	Dmin(1)	d	d_2	L	SSC
FCP160	16	2.42	4.06	6.88	16
FCP161	16.1	2.44	4.06	6.86	16
FCP162	16.2	2.46	4.06	6.84	16
FCP163	16.3	2.47	4.06	6.83	16
FCP164	16.4	2.49	4.06	6.81	16
FCP165	16.5	2.51	4.06	6.79	16
FCP166	16.6	2.53	4.06	6.77	16
FCP167	16.7	2.55	4.06	6.75	16
FCP168	16.8	2.57	4.06	6.73	16
FCP169	16.9	2.58	4.06	6.72	16
FCP170	17	2.59	4.14	7.31	17
FCP171	17.1	2.61	4.14	7.29	17
FCP172	17.2	2.63	4.14	7.27	17
FCP173	17.3	2.64	4.14	7.26	17
FCP174	17.4	2.66	4.14	7.24	17
FCP175	17.5	2.68	4.14	7.22	17
FCP176	17.6	2.7	4.14	7.2	17
FCP177	17.7	2.72	4.14	7.18	17
FCP178	17.8	2.74	4.14	7.16	17
FCP179	17.9	2.75	4.14	7.15	17
FCP180	18	2.73	4.16	7.77	18
FCP181	18.1	2.75	4.16	7.75	18
FCP182	18.2	2.77	4.16	7.73	18
FCP183	18.3	2.78	4.16	7.72	18
FCP184	18.4	2.8	4.16	7.7	18
FCP185	18.5	2.82	4.16	7.68	18
FCP186	18.6	2.84	4.16	7.66	18
FCP187	18.7	2.86	4.16	7.64	18
FCP188	18.8	2.88	4.16	7.62	18
FCP189	18.9	2.89	4.16	7.61	18
FCP190	19	2.88	4.25	8.12	19
FCP191	19.1	2.9	4.25	8.10	19
FCP192	19.2	2.92	4.25	8.08	19
FCP193	19.3	2.93	4.25	8.07	19
FCP194	19.4	2.95	4.25	8.05	19
FCP195	19.5	2.97	4.25	8.03	19
FCP196	19.6	2.99	4.25	8.01	19
FCP197	19.7	3.01	4.25	7.99	19
FCP198	19.8	3.03	4.25	7.97	19
FCP199	19.9	3.04	4.25	7.96	19

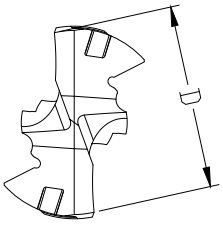
FCP自锁式平底钻尖

FCP Crown Drill, side-locking flat-bottom drill insert









型号 Cat.No	尺寸（mm） Dimension				
	Dmin(1)	d	d2	L	SSC
FCP200	20	3.02	6.56	8.58	20
FCP201	20.1	3.04	6.56	8.56	20
FCP202	20.2	3.06	6.56	8.54	20
FCP203	20.3	3.07	6.56	8.53	20
FCP204	20.4	3.09	6.56	8.51	20
FCP205	20.5	3.11	6.56	8.49	20
FCP206	20.6	3.13	6.56	8.47	20
FCP207	20.7	3.15	6.56	8.45	20
FCP208	20.8	3.17	6.56	8.43	20
FCP209	20.9	3.18	6.56	8.42	20
FCP210	21	3.18	6.92	9	21
FCP211	21.1	3.2	6.92	8.98	21
FCP212	21.2	3.22	6.92	8.96	21
FCP213	21.3	3.23	6.92	8.95	21
FCP214	21.4	3.25	6.92	8.93	21
FCP215	21.5	3.27	6.92	8.91	21
FCP216	21.6	3.29	6.92	8.89	21
FCP217	21.7	3.31	6.92	8.87	21
FCP218	21.8	3.33	6.92	8.85	21
FCP219	21.9	3.34	6.92	8.84	21
FCP220	22	3.32	7.13	9.44	22
FCP221	22.1	3.34	7.13	9.42	22
FCP222	22.2	3.36	7.13	9.4	22
FCP223	22.3	3.37	7.13	9.39	22
FCP224	22.4	3.39	7.13	9.37	22
FCP225	22.5	3.41	7.13	9.35	22
FCP226	22.6	3.43	7.13	9.33	22
FCP227	22.7	3.45	7.13	9.31	22
FCP228	22.8	3.47	7.13	9.29	22
FCP229	22.9	3.48	7.13	9.28	22
FCP230	23	3.46	7.42	9.87	23
FCP231	23.1	3.48	7.42	9.85	23
FCP232	23.2	3.5	7.42	9.83	23
FCP233	23.3	3.51	7.42	9.82	23
FCP234	23.4	3.53	7.42	9.8	23
FCP235	23.5	3.55	7.42	9.78	23
FCP236	23.6	3.57	7.42	9.76	23
FCP237	23.7	3.59	7.42	9.74	23
FCP238	23.8	3.61	7.42	9.72	23
FCP239	23.9	3.62	7.42	9.71	23

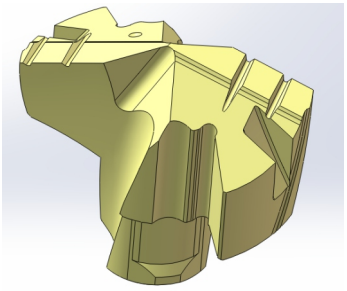
型号 Cat.No	尺寸（mm） Dimension				
	Dmin(1)	d	d2	L	SSC
FCP240	24	3.62	7.45	10.28	24
FCP241	24.1	3.64	7.45	10.26	24
FCP242	24.2	3.66	7.45	10.24	24
FCP243	24.3	3.67	7.45	10.23	24
FCP244	24.4	3.69	7.45	10.21	24
FCP245	24.5	3.71	7.45	10.19	24
FCP246	24.6	3.73	7.45	10.17	24
FCP247	24.7	3.75	7.45	10.15	24
FCP248	24.8	3.77	7.45	10.13	24
FCP249	24.9	3.78	7.45	10.12	24
FCP250	25	3.8	7.54	10.7	25
FCP251	25.1	3.82	7.54	10.68	25
FCP252	25.2	3.84	7.54	10.66	25
FCP253	25.3	3.85	7.54	10.65	25
FCP254	25.4	3.87	7.54	10.63	25
FCP255	25.5	3.89	7.54	10.61	25
FCP256	25.6	3.91	7.54	10.59	25
FCP257	25.7	3.93	7.54	10.57	25
FCP258	25.8	3.95	7.54	10.55	25
FCP259	25.9	3.96	7.54	10.54	25
FCP260	26	3.95	8	11.12	26
FCP261	26.1	3.97	8	11.1	26
FCP262	26.2	3.99	8	11.08	26
FCP263	26.3	4	8	11.07	26
FCP264	26.4	4.02	8	11.05	26
FCP265	26.5	4.04	8	11.03	26
FCP266	26.6	4.06	8	11.01	26
FCP267	26.7	4.08	8	10.99	26
FCP268	26.8	4.1	8	10.97	26
FCP269	26.9	4.11	8	10.96	26
FCP270	27	4.1	8.1	11.55	27
FCP271	27.1	4.12	8.1	11.53	27
FCP272	27.2	4.14	8.1	11.51	27
FCP273	27.3	4.15	8.1	11.5	27
FCP274	27.4	4.17	8.1	11.48	27
FCP275	27.5	4.19	8.1	11.46	27
FCP276	27.6	4.21	8.1	11.44	27
FCP277	27.7	4.23	8.1	11.42	27
FCP278	27.8	4.25	8.1	11.4	27
FCP279	27.9	4.26	8.1	11.39	27
FCP280	28	4.25	8.8	11.97	28
FCP281	28.1	4.27	8.8	11.95	28
FCP282	28.2	4.29	8.8	11.93	28
FCP283	28.3	4.3	8.8	11.92	28
FCP284	28.4	4.32	8.8	11.9	28

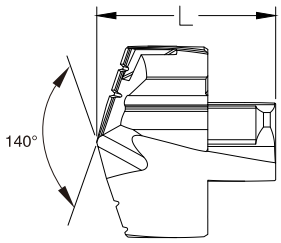
型号 Cat.No	尺寸（mm） Dimension				
	Dmin(1)	d	d2	L	SSC
FCP285	28.5	4.34	8.8	11.88	28
FCP286	28.6	4.36	8.8	11.86	28
FCP287	28.7	4.38	8.8	11.84	28
FCP288	28.8	4.4	8.8	11.82	28
FCP289	28.9	4.41	8.8	11.81	28
FCP290	29	4.43	9	12.37	29
FCP291	29.1	4.45	9	12.35	29
FCP292	29.2	4.47	9	12.33	29
FCP293	29.3	4.48	9	12.32	29
FCP294	29.4	4.5	9	12.3	29
FCP295	29.5	4.52	9	12.28	29
FCP296	29.6	4.54	9	12.26	29
FCP297	29.7	4.56	9	12.24	29
FCP298	29.8	4.58	9	12.22	29
FCP299	29.9	4.59	9	12.21	29
FCP300	30	4.59	9.1	12.79	30
FCP301	30.1	4.61	9.1	12.77	30
FCP302	30.2	4.63	9.1	12.75	30
FCP303	30.3	4.64	9.1	12.74	30
FCP304	30.4	4.66	9.1	12.72	30
FCP305	30.5	4.68	9.1	12.7	30
FCP306	30.6	4.7	9.1	12.68	30
FCP307	30.7	4.72	9.1	12.66	30
FCP308	30.8	4.74	9.1	12.64	30
FCP309	30.9	4.75	9.1	12.63	30
FCP310	31	4.76	9.1	13.2	31
FCP311	31.1	4.78	9.1	13.18	31
FCP312	31.2	4.8	9.1	13.16	31
FCP313	31.3	4.81	9.1	13.15	31
FCP314	31.4	4.83	9.1	13.13	31
FCP315	31.5	4.85	9.1	13.11	31
FCP316	31.6	4.87	9.1	13.09	31
FCP317	31.7	4.89	9.1	13.07	31
FCP318	31.8	4.91	9.1	13.05	31
FCP319	31.9	4.92	9.1	13.04	31
FCP320	32	4.86	9.8	13.68	32
FCP321	32.1	4.88	9.8	13.66	32
FCP322	32.2	4.9	9.8	13.64	32
FCP323	32.3	4.91	9.8	13.63	32
FCP324	32.4	4.93	9.8	13.61	32
FCP325	32.5	4.95	9.8	13.59	32
FCP326	32.6	4.97	9.8	13.57	32
FCP327	32.7	4.99	9.8	13.55	32
FCP328	32.8	5.01	9.8	13.53	32
FCP329	32.9	5.02	9.8	13.52	32

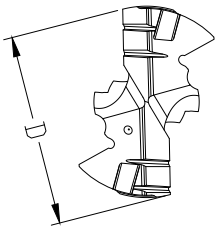
ICG自锁式带齿钻尖

ICG Crown Drill, side-locking flat-bottom drill insert









型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICG080	8	1.2	4.2	8
ICG081	8.1	1.22	4.18	8
ICG082	8.2	1.24	4.16	8
ICG083	8.3	1.25	4.15	8
ICG084	8.4	1.27	4.13	8
ICG085	8.5	1.29	4.11	8
ICG086	8.6	1.31	4.09	8
ICG087	8.7	1.33	4.07	8
ICG088	8.8	1.35	4.05	8
ICG089	8.9	1.36	4.04	8
ICG090	9	1.35	4.45	9
ICG091	9.1	1.37	4.43	9
ICG092	9.2	1.39	4.41	9
ICG093	9.3	1.4	4.4	9
ICG094	9.4	1.42	4.38	9
ICG095	9.5	1.44	4.36	9
ICG096	9.6	1.46	4.34	9
ICG097	9.7	1.48	4.32	9
ICG098	9.8	1.5	4.3	9
ICG099	9.9	1.51	4.29	9
ICG100	10	1.5	4.7	10
ICG101	10.1	1.52	4.68	10
ICG102	10.2	1.54	4.66	10
ICG103	10.3	1.55	4.65	10
ICG104	10.4	1.57	4.63	10
ICG105	10.5	1.59	4.61	10
ICG106	10.6	1.61	4.59	10
ICG107	10.7	1.63	4.57	10
ICG108	10.8	1.65	4.55	10
ICG109	10.9	1.66	4.54	10
ICG110	11	1.67	4.93	11
ICG111	11.1	1.69	4.91	11
ICG112	11.2	1.71	4.89	11
ICG113	11.3	1.72	4.88	11
ICG114	11.4	1.74	4.86	11
ICG115	11.5	1.76	4.84	11
ICG116	11.6	1.78	4.82	11
ICG117	11.7	1.8	4.8	11
ICG118	11.8	1.82	4.78	11
ICG119	11.9	1.83	4.77	11

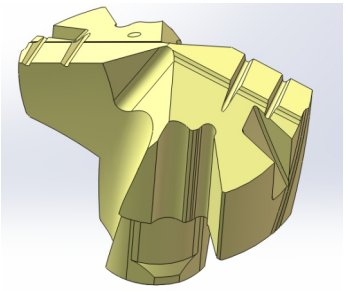
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICG120	12	1.82	5.18	12
ICG121	12.1	1.84	5.16	12
ICG122	12.2	1.86	5.14	12
ICG123	12.3	1.87	5.13	12
ICG124	12.4	1.89	5.11	12
ICG125	12.5	1.91	5.09	12
ICG126	12.6	1.93	5.07	12
ICG127	12.7	1.95	5.05	12
ICG128	12.8	1.97	5.03	12
ICG129	12.9	1.98	5.02	12
ICG130	13	1.96	5.64	13
ICG131	13.1	1.98	5.62	13
ICG132	13.2	2	5.6	13
ICG133	13.3	2.01	5.59	13
ICG134	13.4	2.03	5.57	13
ICG135	13.5	2.05	5.55	13
ICG136	13.6	2.07	5.53	13
ICG137	13.7	2.09	5.51	13
ICG138	13.8	2.11	5.49	13
ICG139	13.9	2.12	5.48	13
ICG140	14	2.12	6.03	14
ICG141	14.1	2.14	6.01	14
ICG142	14.2	2.16	5.99	14
ICG143	14.3	2.17	5.98	14
ICG144	14.4	2.19	5.96	14
ICG145	14.5	2.21	5.94	14
ICG146	14.6	2.23	5.92	14
ICG147	14.7	2.25	5.9	14
ICG148	14.8	2.27	5.88	14
ICG149	14.9	2.28	5.87	14
ICG150	15	2.27	6.46	15
ICG151	15.1	2.29	6.44	15
ICG152	15.2	2.31	6.42	15
ICG153	15.3	2.32	6.41	15
ICG154	15.4	2.34	6.39	15
ICG155	15.5	2.36	6.37	15
ICG156	15.6	2.38	6.35	15
ICG157	15.7	2.4	6.33	15
ICG158	15.8	2.42	6.31	15
ICG159	15.9	2.43	6.3	15

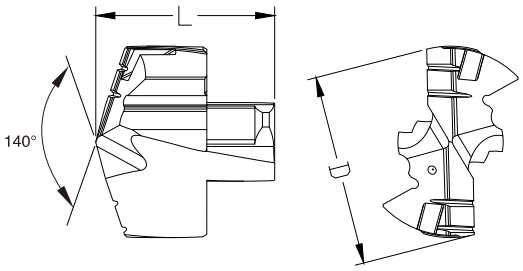
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICG160	16	2.42	6.88	16
ICG161	16.1	2.44	6.86	16
ICG162	16.2	2.46	6.84	16
ICG163	16.3	2.47	6.83	16
ICG164	16.4	2.49	6.81	16
ICG165	16.5	2.51	6.79	16
ICG166	16.6	2.53	6.77	16
ICG167	16.7	2.55	6.75	16
ICG168	16.8	2.57	6.73	16
ICG169	16.9	2.58	6.72	16
ICG170	17	2.59	7.31	17
ICG171	17.1	2.61	7.29	17
ICG172	17.2	2.63	7.27	17
ICG173	17.3	2.64	7.26	17
ICG174	17.4	2.66	7.24	17
ICG175	17.5	2.68	7.22	17
ICG176	17.6	2.7	7.2	17
ICG177	17.7	2.72	7.18	17
ICG178	17.8	2.74	7.16	17
ICG179	17.9	2.75	7.15	17
ICG180	18	2.73	7.77	18
ICG181	18.1	2.75	7.75	18
ICG182	18.2	2.77	7.73	18
ICG183	18.3	2.78	7.72	18
ICG184	18.4	2.8	7.7	18
ICG185	18.5	2.82	7.68	18
ICG186	18.6	2.84	7.66	18
ICG187	18.7	2.86	7.64	18
ICG188	18.8	2.88	7.62	18
ICG189	18.9	2.89	7.61	18
ICG190	19	2.88	8.12	19
ICG191	19.1	2.9	8.10	19
ICG192	19.2	2.92	8.08	19
ICG193	19.3	2.93	8.07	19
ICG194	19.4	2.95	8.05	19
ICG195	19.5	2.97	8.03	19
ICG196	19.6	2.99	8.01	19
ICG197	19.7	3.01	7.99	19
ICG198	19.8	3.03	7.97	19
ICG199	19.9	3.04	7.96	19

ICG自锁式带齿钻尖

ICG Crown Drill, side-locking flat-bottom drill insert







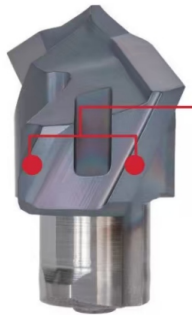
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICG200	20	3.02	8.58	20
ICG201	20.1	3.04	8.56	20
ICG202	20.2	3.06	8.54	20
ICG203	20.3	3.07	8.53	20
ICG204	20.4	3.09	8.51	20
ICG205	20.5	3.11	8.49	20
ICG206	20.6	3.13	8.47	20
ICG207	20.7	3.15	8.45	20
ICG208	20.8	3.17	8.43	20
ICG209	20.9	3.18	8.42	20
ICG210	21	3.18	9	21
ICG211	21.1	3.2	8.98	21
ICG212	21.2	3.22	8.96	21
ICG213	21.3	3.23	8.95	21
ICG214	21.4	3.25	8.93	21
ICG215	21.5	3.27	8.91	21
ICG216	21.6	3.29	8.89	21
ICG217	21.7	3.31	8.87	21
ICG218	21.8	3.33	8.85	21
ICG219	21.9	3.34	8.84	21
ICG220	22	3.32	9.44	22
ICG221	22.1	3.34	9.42	22
ICG222	22.2	3.36	9.4	22
ICG223	22.3	3.37	9.39	22
ICG224	22.4	3.39	9.37	22
ICG225	22.5	3.41	9.35	22
ICG226	22.6	3.43	9.33	22
ICG227	22.7	3.45	9.31	22
ICG228	22.8	3.47	9.29	22
ICG229	22.9	3.48	9.28	22
ICG230	23	3.46	9.87	23
ICG231	23.1	3.48	9.85	23
ICG232	23.2	3.5	9.83	23
ICG233	23.3	3.51	9.82	23
ICG234	23.4	3.53	9.8	23
ICG235	23.5	3.55	9.78	23
ICG236	23.6	3.57	9.76	23
ICG237	23.7	3.59	9.74	23
ICG238	23.8	3.61	9.72	23
ICG239	23.9	3.62	9.71	23

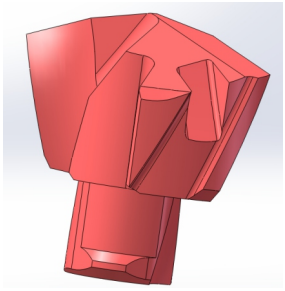
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICG240	24	3.62	10.28	24
ICG241	24.1	3.64	10.26	24
ICG242	24.2	3.66	10.24	24
ICG243	24.3	3.67	10.23	24
ICG244	24.4	3.69	10.21	24
ICG245	24.5	3.71	10.19	24
ICG246	24.6	3.73	10.17	24
ICG247	24.7	3.75	10.15	24
ICG248	24.8	3.77	10.13	24
ICG249	24.9	3.78	10.12	24
ICG250	25	3.8	10.7	25
ICG251	25.1	3.82	10.68	25
ICG252	25.2	3.84	10.66	25
ICG253	25.3	3.85	10.65	25
ICG254	25.4	3.87	10.63	25
ICG255	25.5	3.89	10.61	25
ICG256	25.6	3.91	10.59	25
ICG257	25.7	3.93	10.57	25
ICG258	25.8	3.95	10.55	25
ICG259	25.9	3.96	10.54	25
ICG260	26	3.95	11.12	26
ICG261	26.1	3.97	11.1	26
ICG262	26.2	3.99	11.08	26
ICG263	26.3	4	11.07	26
ICG264	26.4	4.02	11.05	26
ICG265	26.5	4.04	11.03	26
ICG266	26.6	4.06	11.01	26
ICG267	26.7	4.08	10.99	26
ICG268	26.8	4.1	10.97	26
ICG269	26.9	4.11	10.96	26
ICG270	27	4.1	11.55	27
ICG271	27.1	4.12	11.53	27
ICG272	27.2	4.14	11.51	27
ICG273	27.3	4.15	11.5	27
ICG274	27.4	4.17	11.48	27
ICG275	27.5	4.19	11.46	27
ICG276	27.6	4.21	11.44	27
ICG277	27.7	4.23	11.42	27
ICG278	27.8	4.25	11.4	27
ICG279	27.9	4.26	11.39	27
ICG280	28	4.25	11.97	28
ICG281	28.1	4.27	11.95	28
ICG282	28.2	4.29	11.93	28
ICG283	28.3	4.3	11.92	28
ICG284	28.4	4.32	11.9	28

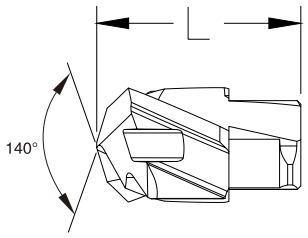
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICG285	28.5	4.34	11.88	28
ICG286	28.6	4.36	11.86	28
ICG287	28.7	4.38	11.84	28
ICG288	28.8	4.4	11.82	28
ICG289	28.9	4.41	11.81	28
ICG290	29	4.43	12.37	29
ICG291	29.1	4.45	12.35	29
ICG292	29.2	4.47	12.33	29
ICG293	29.3	4.48	12.32	29
ICG294	29.4	4.5	12.3	29
ICG295	29.5	4.52	12.28	29
ICG296	29.6	4.54	12.26	29
ICG297	29.7	4.56	12.24	29
ICG298	29.8	4.58	12.22	29
ICG299	29.9	4.59	12.21	29
ICG300	30	4.59	12.79	30
ICG301	30.1	4.61	12.77	30
ICG302	30.2	4.63	12.75	30
ICG303	30.3	4.64	12.74	30
ICG304	30.4	4.66	12.72	30
ICG305	30.5	4.68	12.7	30
ICG306	30.6	4.7	12.68	30
ICG307	30.7	4.72	12.66	30
ICG308	30.8	4.74	12.64	30
ICG309	30.9	4.75	12.63	30
ICG310	31	4.76	13.2	31
ICG311	31.1	4.78	13.18	31
ICG312	31.2	4.8	13.16	31
ICG313	31.3	4.81	13.15	31
ICG314	31.4	4.83	13.13	31
ICG315	31.5	4.85	13.11	31
ICG316	31.6	4.87	13.09	31
ICG317	31.7	4.89	13.07	31
ICG318	31.8	4.91	13.05	31
ICG319	31.9	4.92	13.04	31
ICG320	32	4.86	13.68	32
ICG321	32.1	4.88	13.66	32
ICG322	32.2	4.9	13.64	32
ICG323	32.3	4.91	13.63	32
ICG324	32.4	4.93	13.61	32
ICG325	32.5	4.95	13.59	32
ICG326	32.6	4.97	13.57	32
ICG327	32.7	4.99	13.55	32
ICG328	32.8	5.01	13.53	32
ICG329	32.9	5.02	13.52	32

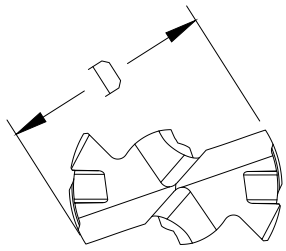
ICM自锁式双刃带钻尖

ICM Crown Drill, side-locking flat-bottom drill insert









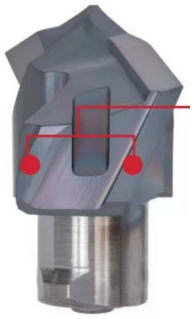
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICM080	8	1.2	4.2	8
ICM081	8.1	1.22	4.18	8
ICM082	8.2	1.24	4.16	8
ICM083	8.3	1.25	4.15	8
ICM084	8.4	1.27	4.13	8
ICM085	8.5	1.29	4.11	8
ICM086	8.6	1.31	4.09	8
ICM087	8.7	1.33	4.07	8
ICM088	8.8	1.35	4.05	8
ICM089	8.9	1.36	4.04	8
ICM090	9	1.35	4.45	9
ICM091	9.1	1.37	4.43	9
ICM092	9.2	1.39	4.41	9
ICM093	9.3	1.4	4.4	9
ICM094	9.4	1.42	4.38	9
ICM095	9.5	1.44	4.36	9
ICM096	9.6	1.46	4.34	9
ICM097	9.7	1.48	4.32	9
ICM098	9.8	1.5	4.3	9
ICM099	9.9	1.51	4.29	9
ICM100	10	1.5	4.7	10
ICM101	10.1	1.52	4.68	10
ICM102	10.2	1.54	4.66	10
ICM103	10.3	1.55	4.65	10
ICM104	10.4	1.57	4.63	10
ICM105	10.5	1.59	4.61	10
ICM106	10.6	1.61	4.59	10
ICM107	10.7	1.63	4.57	10
ICM108	10.8	1.65	4.55	10
ICM109	10.9	1.66	4.54	10
ICM110	11	1.67	4.93	11
ICM111	11.1	1.69	4.91	11
ICM112	11.2	1.71	4.89	11
ICM113	11.3	1.72	4.88	11
ICM114	11.4	1.74	4.86	11
ICM115	11.5	1.76	4.84	11
ICM116	11.6	1.78	4.82	11
ICM117	11.7	1.8	4.8	11
ICM118	11.8	1.82	4.78	11
ICM119	11.9	1.83	4.77	11

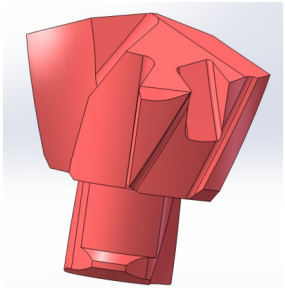
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICM120	12	1.82	5.18	12
ICM121	12.1	1.84	5.16	12
ICM122	12.2	1.86	5.14	12
ICM123	12.3	1.87	5.13	12
ICM124	12.4	1.89	5.11	12
ICM125	12.5	1.91	5.09	12
ICM126	12.6	1.93	5.07	12
ICM127	12.7	1.95	5.05	12
ICM128	12.8	1.97	5.03	12
ICM129	12.9	1.98	5.02	12
ICM130	13	1.96	5.64	13
ICM131	13.1	1.98	5.62	13
ICM132	13.2	2	5.6	13
ICM133	13.3	2.01	5.59	13
ICM134	13.4	2.03	5.57	13
ICM135	13.5	2.05	5.55	13
ICM136	13.6	2.07	5.53	13
ICM137	13.7	2.09	5.51	13
ICM138	13.8	2.11	5.49	13
ICM139	13.9	2.12	5.48	13
ICM140	14	2.12	6.03	14
ICM141	14.1	2.14	6.01	14
ICM142	14.2	2.16	5.99	14
ICM143	14.3	2.17	5.98	14
ICM144	14.4	2.19	5.96	14
ICM145	14.5	2.21	5.94	14
ICM146	14.6	2.23	5.92	14
ICM147	14.7	2.25	5.9	14
ICM148	14.8	2.27	5.88	14
ICM149	14.9	2.28	5.87	14
ICM150	15	2.27	6.46	15
ICM151	15.1	2.29	6.44	15
ICM152	15.2	2.31	6.42	15
ICM153	15.3	2.32	6.41	15
ICM154	15.4	2.34	6.39	15
ICM155	15.5	2.36	6.37	15
ICM156	15.6	2.38	6.35	15
ICM157	15.7	2.4	6.33	15
ICM158	15.8	2.42	6.31	15
ICM159	15.9	2.43	6.3	15

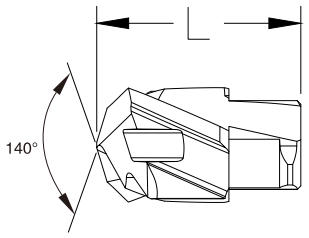
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICM160	16	2.42	6.88	16
ICM161	16.1	2.44	6.86	16
ICM162	16.2	2.46	6.84	16
ICM163	16.3	2.47	6.83	16
ICM164	16.4	2.49	6.81	16
ICM165	16.5	2.51	6.79	16
ICM166	16.6	2.53	6.77	16
ICM167	16.7	2.55	6.75	16
ICM168	16.8	2.57	6.73	16
ICM169	16.9	2.58	6.72	16
ICM170	17	2.59	7.31	17
ICM171	17.1	2.61	7.29	17
ICM172	17.2	2.63	7.27	17
ICM173	17.3	2.64	7.26	17
ICM174	17.4	2.66	7.24	17
ICM175	17.5	2.68	7.22	17
ICM176	17.6	2.7	7.2	17
ICM177	17.7	2.72	7.18	17
ICM178	17.8	2.74	7.16	17
ICM179	17.9	2.75	7.15	17
ICM180	18	2.73	7.77	18
ICM181	18.1	2.75	7.75	18
ICM182	18.2	2.77	7.73	18
ICM183	18.3	2.78	7.72	18
ICM184	18.4	2.8	7.7	18
ICM185	18.5	2.82	7.68	18
ICM186	18.6	2.84	7.66	18
ICM187	18.7	2.86	7.64	18
ICM188	18.8	2.88	7.62	18
ICM189	18.9	2.89	7.61	18
ICM190	19	2.88	8.12	19
ICM191	19.1	2.9	8.10	19
ICM192	19.2	2.92	8.08	19
ICM193	19.3	2.93	8.07	19
ICM194	19.4	2.95	8.05	19
ICM195	19.5	2.97	8.03	19
ICM196	19.6	2.99	8.01	19
ICM197	19.7	3.01	7.99	19
ICM198	19.8	3.03	7.97	19
ICM199	19.9	3.04	7.96	19

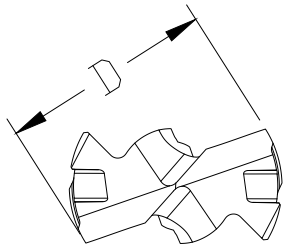
ICM自锁式双刃带钻尖

ICM Crown Drill, side-locking flat-bottom drill insert









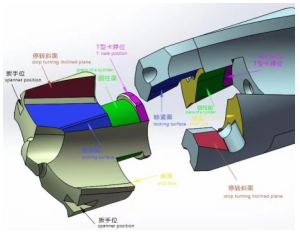
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICM200	20	3.02	8.58	20
ICM201	20.1	3.04	8.56	20
ICM202	20.2	3.06	8.54	20
ICM203	20.3	3.07	8.53	20
ICM204	20.4	3.09	8.51	20
ICM205	20.5	3.11	8.49	20
ICM206	20.6	3.13	8.47	20
ICM207	20.7	3.15	8.45	20
ICM208	20.8	3.17	8.43	20
ICM209	20.9	3.18	8.42	20
ICM210	21	3.18	9	21
ICM211	21.1	3.2	8.98	21
ICM212	21.2	3.22	8.96	21
ICM213	21.3	3.23	8.95	21
ICM214	21.4	3.25	8.93	21
ICM215	21.5	3.27	8.91	21
ICM216	21.6	3.29	8.89	21
ICM217	21.7	3.31	8.87	21
ICM218	21.8	3.33	8.85	21
ICM219	21.9	3.34	8.84	21
ICM220	22	3.32	9.44	22
ICM221	22.1	3.34	9.42	22
ICM222	22.2	3.36	9.4	22
ICM223	22.3	3.37	9.39	22
ICM224	22.4	3.39	9.37	22
ICM225	22.5	3.41	9.35	22
ICM226	22.6	3.43	9.33	22
ICM227	22.7	3.45	9.31	22
ICM228	22.8	3.47	9.29	22
ICM229	22.9	3.48	9.28	22
ICM230	23	3.46	9.87	23
ICM231	23.1	3.48	9.85	23
ICM232	23.2	3.5	9.83	23
ICM233	23.3	3.51	9.82	23
ICM234	23.4	3.53	9.8	23
ICM235	23.5	3.55	9.78	23
ICM236	23.6	3.57	9.76	23
ICM237	23.7	3.59	9.74	23
ICM238	23.8	3.61	9.72	23
ICM239	23.9	3.62	9.71	23

型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICM240	24	3.62	10.28	24
ICM241	24.1	3.64	10.26	24
ICM242	24.2	3.66	10.24	24
ICM243	24.3	3.67	10.23	24
ICM244	24.4	3.69	10.21	24
ICM245	24.5	3.71	10.19	24
ICM246	24.6	3.73	10.17	24
ICM247	24.7	3.75	10.15	24
ICM248	24.8	3.77	10.13	24
ICM249	24.9	3.78	10.12	24
ICM250	25	3.8	10.7	25
ICM251	25.1	3.82	10.68	25
ICM252	25.2	3.84	10.66	25
ICM253	25.3	3.85	10.65	25
ICM254	25.4	3.87	10.63	25
ICM255	25.5	3.89	10.61	25
ICM256	25.6	3.91	10.59	25
ICM257	25.7	3.93	10.57	25
ICM258	25.8	3.95	10.55	25
ICM259	25.9	3.96	10.54	25
ICM260	26	3.95	11.12	26
ICM261	26.1	3.97	11.1	26
ICM262	26.2	3.99	11.08	26
ICM263	26.3	4	11.07	26
ICM264	26.4	4.02	11.05	26
ICM265	26.5	4.04	11.03	26
ICM266	26.6	4.06	11.01	26
ICM267	26.7	4.08	10.99	26
ICM268	26.8	4.1	10.97	26
ICM269	26.9	4.11	10.96	26
ICM270	27	4.1	11.55	27
ICM271	27.1	4.12	11.53	27
ICM272	27.2	4.14	11.51	27
ICM273	27.3	4.15	11.5	27
ICM274	27.4	4.17	11.48	27
ICM275	27.5	4.19	11.46	27
ICM276	27.6	4.21	11.44	27
ICM277	27.7	4.23	11.42	27
ICM278	27.8	4.25	11.4	27
ICM279	27.9	4.26	11.39	27
ICM280	28	4.25	11.97	28
ICM281	28.1	4.27	11.95	28
ICM282	28.2	4.29	11.93	28
ICM283	28.3	4.3	11.92	28
ICM284	28.4	4.32	11.9	28

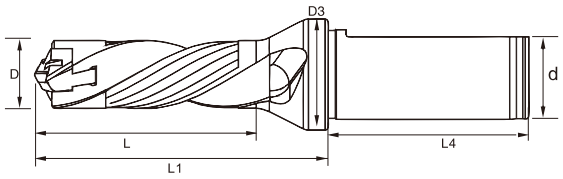
型号 Cat.No	尺寸（mm） Dimension			
	Dmin(1)	d	L	SSC
ICM285	28.5	4.34	11.88	28
ICM286	28.6	4.36	11.86	28
ICM287	28.7	4.38	11.84	28
ICM288	28.8	4.4	11.82	28
ICM289	28.9	4.41	11.81	28
ICM290	29	4.43	12.37	29
ICM291	29.1	4.45	12.35	29
ICM292	29.2	4.47	12.33	29
ICM293	29.3	4.48	12.32	29
ICM294	29.4	4.5	12.3	29
ICM295	29.5	4.52	12.28	29
ICM296	29.6	4.54	12.26	29
ICM297	29.7	4.56	12.24	29
ICM298	29.8	4.58	12.22	29
ICM299	29.9	4.59	12.21	29
ICM300	30	4.59	12.79	30
ICM301	30.1	4.61	12.77	30
ICM302	30.2	4.63	12.75	30
ICM303	30.3	4.64	12.74	30
ICM304	30.4	4.66	12.72	30
ICM305	30.5	4.68	12.7	30
ICM306	30.6	4.7	12.68	30
ICM307	30.7	4.72	12.66	30
ICM308	30.8	4.74	12.64	30
ICM309	30.9	4.75	12.63	30
ICM310	31	4.76	13.2	31
ICM311	31.1	4.78	13.18	31
ICM312	31.2	4.8	13.16	31
ICM313	31.3	4.81	13.15	31
ICM314	31.4	4.83	13.13	31
ICM315	31.5	4.85	13.11	31
ICM316	31.6	4.87	13.09	31
ICM317	31.7	4.89	13.07	31
ICM318	31.8	4.91	13.05	31
ICM319	31.9	4.92	13.04	31
ICM320	32	4.86	13.68	32
ICM321	32.1	4.88	13.66	32
ICM322	32.2	4.9	13.64	32
ICM323	32.3	4.91	13.63	32
ICM324	32.4	4.93	13.61	32
ICM325	32.5	4.95	13.59	32
ICM326	32.6	4.97	13.57	32
ICM327	32.7	4.99	13.55	32
ICM328	32.8	5.01	13.53	32
ICM329	32.9	5.02	13.52	32

ICD A-3D 自锁式皇冠钻杆

ICD-3D Self-locking interchange head drill



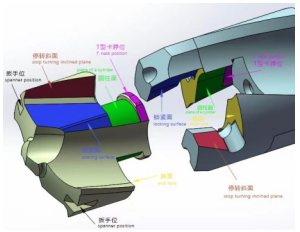




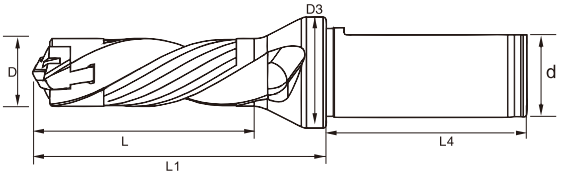
型号 Cat.No	重量 Kg	尺寸（mm） Dimension								扳手 Wrench	刀片 Insert
		最小直径 Min dia	最大直径 Max dia	L	d	D3	L1	L4	Po.Size		
ICD 080-024-12A-3D		8.00	8.40	24.0	12.00	16.00	39.4	45.0	8.00	ICD060099	ICD 080~084
ICD 085-025-12A-3D		8.50	8.90	25.0	12.00	16.00	40.9	45.0	8.50	ICD060099	ICD 085~089
ICD 090-027-12A-3D		9.00	9.40	27.0	12.00	16.00	42.8	45.0	9.00	ICD060099	ICD 090~094
ICD 095-029-12A-3D		9.50	9.90	29.0	12.00	16.00	44.3	45.0	9.50	ICD060099	ICD 095~099
ICD 100-030-16A-3D		10.00	10.40	30.0	16.00	20.00	46.2	48.0	10.00	ICD100199	ICD 100~104
ICD 105-032-16A-3D		10.50	10.90	32.0	16.00	20.00	47.7	48.0	10.50	ICD100199	ICD 105~109
ICD 110-033-16A-3D		11.00	11.40	33.0	16.00	20.00	49.6	48.0	11.00	ICD100199	ICD 110~114
ICD 115-035-16A-3D		11.50	11.90	35.0	16.00	20.00	51.1	48.0	11.50	ICD100199	ICD 115~119
ICD 120-036-16A-3D		12.00	12.40	38.0	16.00	20.00	53.0	48.0	12.00	ICD100199	ICD 120~124
ICD 125-037-16A-3D		12.50	12.90	37.0	16.00	20.00	54.5	48.0	12.50	ICD100199	ICD 125~129
ICD 130-039-16A-3D		13.00	13.40	39.0	16.00	20.00	56.6	48.0	13.00	ICD100199	ICD 130~134
ICD 135-041-16A-3D		13.50	13.90	41.0	16.00	20.00	58.1	48.0	13.50	ICD100199	ICD 135~139
ICD 140-042-16A-3D		14.00	14.40	42.0	16.00	20.00	62.1	48.0	14.00	ICD100199	ICD 140~144
ICD 145-044-16A-3D		14.50	14.90	44.0	16.00	20.00	63.6	48.0	14.50	ICD100199	ICD 145~149
ICD 150-045-20A-3D		15.00	15.90	45.0	20.00	25.00	68.7	50.0	15.00	ICD100199	ICD 150~159
ICD 160-048-20A-3D		16.00	16.90	48.0	20.00	25.00	73.3	50.0	16.00	ICD100199	ICD 160~169
ICD 170-051-20A-3D		17.00	17.90	51.0	20.00	25.00	77.9	50.0	17.00	ICD100199	ICD 170~179
ICD 180-054-25A-3D		18.00	18.90	54.0	25.00	32.00	82.5	56.0	18.00	ICD100199	ICD 180~189
ICD 190-057-25A-3P		19.00	19.90	57.0	25.00	32.00	87.0	56.0	19.00	ICD100199	ICD 190~199
ICD 200-060-25A-3D		20.00	20.90	60.0	25.00	32.00	91.6	56.0	20.00	ICD200269	ICD 200~209
ICD 210-063-25A-3D		21.00	21.90	63.0	25.00	32.00	96.2	56.0	21.00	ICD200269	ICD 210~219
ICD 220-066-25A-3D		22.00	22.90	66.0	25.00	32.00	100.8	56.0	22.00	ICD200269	ICD 220~229
ICD 230-069-32A-3D		23.00	23.90	69.0	32.00	42.00	105.4	60.0	23.00	ICD200269	ICD 230~239
ICD 240-072-32A-3D		24.00	24.90	72.0	32.00	42.00	110.0	60.0	24.00	ICD200269	ICD 240~249
ICD 250-075-32A-3D		25.00	25.90	75.0	32.00	42.00	114.5	60.0	25.00	ICD200269	ICD 250~259
ICD 260-078-32A-3D		26.00	26.90	78.0	32.00	42.00	119.0	60.0	26.00	ICD200269	ICD 260~269
ICD 270-081-32A-3D		27.00	27.90	81.0	32.00	42.00	123.7	60.0	27.00	ICD270329	ICD 270~279
ICD 280-084-32A-3D		28.00	28.90	84.0	32.00	42.00	128.2	60.0	28.00	ICD270329	ICD 280~289
ICD 290-087-32A-3D		29.00	29.90	87.0	32.00	42.00	132.8	60.0	29.00	ICD270329	ICD 290~299
ICD 300-090-32A-3D		30.00	30.90	90.0	32.00	42.00	137.4	60.0	30.00	ICD270329	ICD 300~309
ICD 310-093-32A-3D		31.00	31.90	93.0	32.00	42.00	142.0	60.0	31.00	ICD270329	ICD 310~319
ICD 320-096-32A-3D		32.00	32.90	96.0	32.00	42.00	146.5	60.0	32.00	ICD270329	ICD 320~329

ICD A-5D 自锁式皇冠钻杆

ICD-5D Self-locking interchange head drill



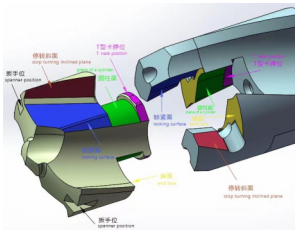




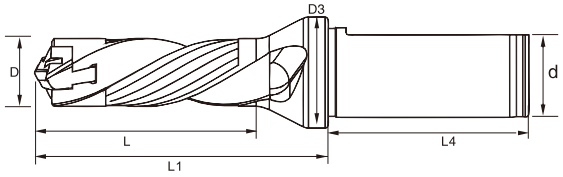
型号 Cat.No	重量 Kg	尺寸（mm） Dimension								扳手 Wrench	刀片 Insert
		最小直径 Min dia	最大直径 Max dia	L	d	D3	L1	L4	Po.Size		
ICD 080-040-12A-5D		8.00	8.40	40.0	12.00	16.00	55.4	45.0	8.00	ICD060099	ICD 080~084
ICD 085-042-12A-5D		8.50	8.90	42.5	12.00	16.00	57.9	45.0	8.50	ICD060099	ICD 085~089
ICD 090-045-12A-5D		9.00	9.40	45.0	12.00	16.00	60.8	45.0	9.00	ICD060099	ICD 090~094
ICD 095-048-12A-5D		9.50	9.90	48.0	12.00	16.00	63.3	45.0	9.50	ICD060099	ICD 095~099
ICD 100-050-16A-5D		10.00	10.40	50.0	16.00	20.00	66.2	48.0	10.00	ICD100199	ICD 100~104
ICD 105-053-16A-5D		10.50	10.90	53.0	16.00	20.00	68.7	48.0	10.50	ICD100199	ICD 105~109
ICD 110-055-16A-5D		11.00	11.40	55.0	16.00	20.00	71.6	48.0	11.00	ICD100199	ICD 110~114
ICD 115-058-16A-5D		11.50	11.90	58.0	16.00	20.00	74.1	48.0	11.50	ICD100199	ICD 115~119
ICD 120-060-16A-5D		12.00	12.40	60.0	16.00	20.00	77.0	48.0	12.00	ICD100199	ICD 120~124
ICD 125-062-16A-5D		12.50	12.90	62.0	16.00	20.00	79.5	48.0	12.50	ICD100199	ICD 125~129
ICD 130-065-16A-5D		13.00	13.40	65.0	16.00	20.00	82.6	48.0	13.00	ICD100199	ICD 130~134
ICD 135-068-16A-5D		13.50	13.90	68.0	16.00	20.00	85.1	48.0	13.50	ICD100199	ICD 135~139
ICD 140-070-16A-5D		14.00	14.40	70.0	16.00	20.00	90.2	48.0	14.00	ICD100199	ICD 140~144
ICD 145-073-16A-5D		14.50	14.90	73.0	16.00	20.00	92.7	48.0	14.50	ICD100199	ICD 145~149
ICD 150-075-20A-5D		15.00	15.90	75.0	20.00	25.00	98.7	50.0	15.00	ICD100199	ICD 150~159
ICD 160-080-20A-5D		16.00	16.90	80.0	20.00	25.00	105.3	50.0	16.00	ICD100199	ICD 160~169
ICD 170-085-20A-5D		17.00	17.90	85.0	20.00	25.00	111.9	50.0	17.00	ICD100199	ICD 170~179
ICD 180-090-25A-5D		18.00	18.90	90.0	25.00	32.00	118.5	56.0	18.00	ICD100199	ICD 180~189
ICD 190-095-25A-5D		19.00	19.90	95.0	25.00	32.00	125.0	56.0	19.00	ICD100199	ICD 190~199
ICD 200-100-25A-5D		20.00	20.90	100.0	25.00	32.00	131.6	56.0	20.00	ICD200269	ICD 200~209
ICD 210-105-25A-5D		21.00	21.90	105.0	25.00	32.00	138.2	56.0	21.00	ICD200269	ICD 210~219
ICD 220-110-25A-5D		22.00	22.90	110.0	25.00	32.00	144.8	56.0	22.00	ICD200269	ICD 220~229
ICD 230-115-32A-5D		23.00	23.90	115.0	32.00	42.00	151.4	60.0	23.00	ICD200269	ICD 230~239
ICD 240-120-32A-5D		24.00	24.90	120.0	32.00	42.00	158.0	60.0	24.00	ICD200269	ICD 240~249
ICD 250-125-32A-5D		25.00	25.90	125.0	32.00	42.00	164.5	60.0	25.00	ICD200269	ICD 250~259
ICD 260-130-32A-5D		26.00	26.90	130.0	32.00	42.00	171.0	60.0	26.00	ICD200269	ICD 260~269
ICD 270-135-32A-5D		27.00	27.90	135.0	32.00	42.00	177.7	60.0	27.00	ICD270329	ICD 270~279
ICD 280-140-32A-5D		28.00	28.90	140.0	32.00	42.00	184.2	60.0	28.00	ICD270329	ICD 280~289
ICD 290-145-32A-5D		29.00	29.90	145.0	32.00	42.00	190.8	60.0	29.00	ICD270329	ICD 290~299
ICD 300-150-32A-5D		30.00	30.90	150.0	32.00	42.00	197.4	60.0	30.00	ICD270329	ICD 300~309
ICD 310-155-32A-5D		31.00	31.90	155.0	32.00	42.00	204.0	60.0	31.00	ICD270329	ICD 310~319
ICD 320-160-32A-5D		32.00	32.90	160.0	32.00	42.00	210.5	60.0	32.00	ICD270329	ICD 320~329

ICD A-8D 自锁式皇冠钻杆

ICD-8D Self-locking interchange head drill





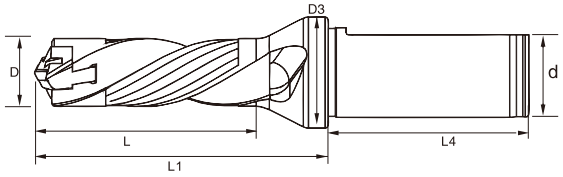


型号 Cat.No	重量 Kg	尺寸（mm） Dimension								扳手 Wrench	刀片 Insert
		最小直径 Min dia	最大直径 Max dia	L	d	D3	L1	L4	Po.Size		
ICD 080-064-12A-8D		8.00	8.40	64.0	12.00	16.00	79.4	45.0	8.00	ICD060099	ICD 080~084
ICD 085-068-12A-8D		8.50	8.90	68.0	12.00	16.00	83.4	45.0	8.50	ICD060099	ICD 085~089
ICD 090-072-12A-8D		9.00	9.40	72.0	12.00	16.00	87.8	45.0	9.00	ICD060099	ICD 090~094
ICD 095-076-12A-8D		9.50	9.90	76.0	12.00	16.00	91.8	45.0	9.50	ICD060099	ICD 095~099
ICD 100-080-16A-8D		10.00	10.40	80.0	16.00	20.00	96.2	48.0	10.00	ICD100199	ICD 100~104
ICD 105-084-16A-8D		10.50	10.90	84.0	16.00	20.00	100.2	48.0	10.50	ICD100199	ICD 105~109
ICD 110-088-16A-8D		11.00	11.40	88.0	16.00	20.00	104.6	48.0	11.00	ICD100199	ICD 110~114
ICD 115-092-16A-8D		11.50	11.90	92.0	16.00	20.00	108.6	48.0	11.50	ICD100199	ICD 115~119
ICD 120-096-16A-8D		12.00	12.40	96.0	16.00	20.00	113.0	48.0	12.00	ICD100199	ICD 120~124
ICD 125-100-16A-8D		12.50	12.90	100.0	16.00	20.00	117.0	48.0	12.50	ICD100199	ICD 125~129
ICD 130-104-16A-8D		13.00	13.40	104.0	16.00	20.00	121.6	48.0	13.00	ICD100199	ICD 130~134
ICD 135-108-16A-8D		13.50	13.90	108.0	16.00	20.00	125.6	48.0	13.50	ICD100199	ICD 135~139
ICD 140-112-16A-8D		14.00	14.40	112.0	16.00	20.00	132.1	48.0	14.00	ICD100199	ICD 140~144
ICD 145-116-16A-8D		14.50	14.90	116.0	16.00	20.00	136.2	48.0	14.50	ICD100199	ICD 145~149
ICD 150-120-20A-8D		15.00	15.90	120.0	20.00	25.00	143.7	50.0	15.00	ICD100199	ICD 150~159
ICD 160-128-20A-8D		16.00	16.90	128.0	20.00	25.00	153.3	50.0	16.00	ICD100199	ICD 160~169
ICD 170-136-20A-8D		17.00	17.90	136.0	20.00	25.00	162.9	50.0	17.00	ICD100199	ICD 170~179
ICD 180-144-25A-8D		18.00	18.90	144.0	25.00	32.00	172.5	56.0	18.00	ICD100199	ICD 180~189
ICD 190-152-25A-8D		19.00	19.90	152.0	25.00	32.00	182.0	56.0	19.00	ICD100199	ICD 190~199
ICD 200-160-25A-8D		20.00	20.90	160.0	25.00	32.00	191.6	56.0	20.00	ICD200269	ICD 200~209
ICD 210-168-25A-8D		21.00	21.90	168.0	25.00	32.00	201.2	56.0	21.00	ICD200269	ICD 210~219
ICD 220-176-25A-8D		22.00	22.90	176.0	25.00	32.00	210.8	56.0	22.00	ICD200269	ICD 220~229
ICD 230-184-32A-8D		23.00	23.90	184.0	32.00	42.00	220.4	60.0	23.00	ICD200269	ICD 230~239
ICD 240-192-32A-8D		24.00	24.90	192.0	32.00	42.00	230.0	60.0	24.00	ICD200269	ICD 240~249
ICD 250-200-32A-8D		25.00	25.90	200.0	32.00	42.00	239.5	60.0	25.00	ICD200269	ICD 250~259
ICD 260-208-32A-8D		26.00	26.90	208.0	32.00	42.00	249.3	60.0	26.00	ICD200269	ICD 260~269
ICD 270-216-32A-8D		27.00	27.90	216.0	32.00	42.00	258.6	60.0	27.00	ICD270329	ICD 270~279
ICD 280-224-32A-8D		28.00	28.90	224.0	32.00	42.00	268.2	60.0	28.00	ICD270329	ICD 280~289
ICD 290-232-32A-8D		29.00	29.90	232.0	32.00	42.00	277.8	60.0	29.00	ICD270329	ICD 290~299
ICD 300-240-32A-8D		30.00	30.90	240.0	32.00	42.00	287.4	60.0	30.00	ICD270329	ICD 300~309
ICD 310-248-32A-8D		31.00	31.90	248.0	32.00	42.00	297.0	60.0	31.00	ICD270329	ICD 310~319
ICD 320-256-32A-8D		32.00	32.90	256.0	32.00	42.00	306.5	60.0	32.00	ICD270329	ICD 320~329

ICD A-10D 自锁式皇冠钻杆

ICD-10D Self-locking interchange head drill

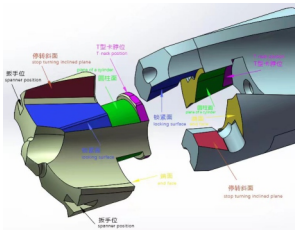




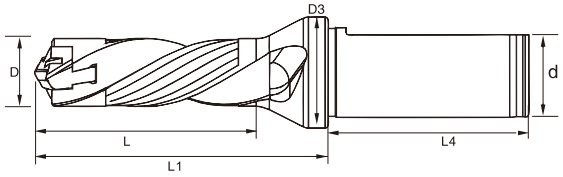
型号 Cat.No	重量 Kg	尺寸（mm） Dimension							扳手 Wrench	刀片 Insert
		最小直径 Min dia	最大直径 Max dia	L	d	D3	L1	L4		
ICD100-100-16A-10D		10	10.5	100	16	20	116.2	48	ICD100199	ICD100~104
ICD105-105-16A-10D		10.5	11	105	16	20	121.6	48	ICD100199	ICD105~109
ICD110-110-16A-10D		11	11.5	110	16	20	127	48	ICD100199	ICD110~114
ICD115-115-16A-10D		11.5	12	115	16	20	132.4	48	ICD100199	ICD115~119
ICD120-120-16A-10D		12	12.5	120	16	20	137.8	48	ICD100199	ICD120~124
ICD125-125-16A-10D		12.5	13	125	16	20	143.2	48	ICD100199	ICD125~129
ICD130-130-16A-10D		13	13.5	130	16	20	148.6	48	ICD100199	ICD130~134
ICD135-135-16A-10D		13.5	14	135	16	20	154	48	ICD100199	ICD135~139
ICD140-140-16A-10D		14	14.5	140	16	20	159.4	48	ICD100199	ICD140~144
ICD145-145-16A-10D		14.5	15	145	16	20	165.2	48	ICD100199	ICD145~149
ICD150-150-20A-10D		15	15.9	150	20	25	173.7	50	ICD100199	ICD150~159
ICD160-160-20A-10D		16	16.9	160	20	25	185.3	50	ICD100199	ICD160~169
ICD170-170-20A-10D		17	17.9	170	20	25	196.9	50	ICD100199	ICD170~179
ICD180-180-25A-10D		18	18.9	180	25	32	208.5	56	ICD100199	ICD180~189
ICD190-190-25A-10D		19	19.9	190	25	32	220.1	56	ICD100199	ICD190~199
ICD200-200-25A-10D		20	20.9	200	25	32	231.7	56	ICD200269	ICD200~209
ICD210-210-25A-10D		21	21.9	210	25	32	243.3	56	ICD200269	ICD210~219
ICD220-220-25A-10D		22	22.9	220	25	32	254.8	56	ICD200269	ICD220~229
ICD230-230-32A-10D		23	23.9	230	32	32	266.4	60	ICD200269	ICD230~239
ICD240-240-32A-10D		24	24.9	240	32	32	278	60	ICD200269	ICD240~249
ICD250-250-32A-10D		25	25.9	250	32	32	289.6	60	ICD200269	ICD250~259
ICD260-260-32A-10D		26	26.9	260	32	32	301.2	60	ICD200269	ICD260~269
ICD270-270-32A-10D		27	27.9	270	32	32	312.8	60	ICD270329	ICD270~279
ICD280-280-32A-10D		28	28.9	280	32	32	324.4	60	ICD270329	ICD280~289
ICD290-290-32A-10D		29	29.9	290	32	32	335.8	60	ICD270329	ICD290~299
ICD300-300-32A-10D		30	30.9	300	32	32	347.4	60	ICD270329	ICD300~309
ICD310-310-32A-10D		31	31.9	310	32	32	359	60	ICD270329	ICD310~319
ICD320-320-32A-10D		32	32.9	320	32	32	370.5	60	ICD270329	ICD320~329

ICD A-12D 自锁式皇冠钻杆

ICD-10D Self-locking interchange head drill



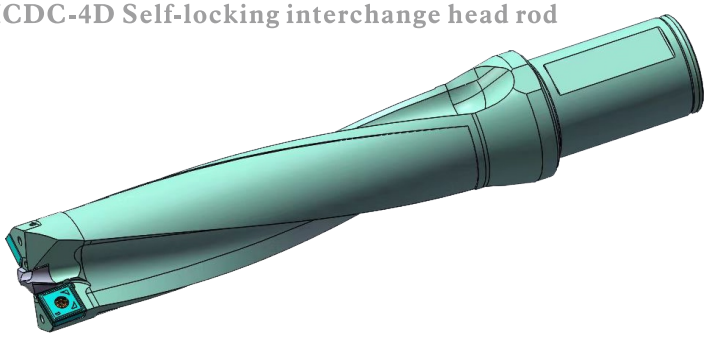


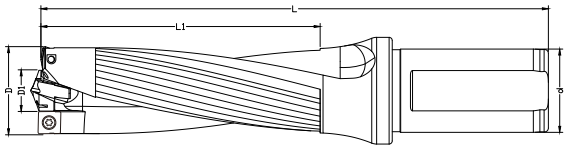


型号 Cat.No	重量 Kg	尺寸（mm） Dimension								扳手 Wrench	刀片 Insert
		最小直径 Min dia	最大直径 Max dia	L	d	D3	L1	L4	Po.Size		
ICD 100-120-16R-12D		10.00	1040	120.0	16.00	20.00	136.2	48.0	10.0	ICD060099	ICD 100~104
ICD 105-126-16R-12D		10.50	10.90	126.0	16.00	20.00	142.2	48.0	10.0	ICD100199	ICD 105~109
ICD 110-132-16R-12D		11.00	11.40	132.0	16.00	20.00	146.6	48.0	11.0	ICD100199	ICD 110~114
ICD 115-138-16R-12D		11.50	11.90	138.0	16.00	20.00	154.6	48.0	11.0	ICD100199	ICD 115~119
ICD 120-144-16R-12D		12.00	12.40	144.0	16.00	20.00	161.0	45.0	12.0	ICD100199	ICD 120~124
ICD 125-150-16R-12D		12.50	12.90	150.0	16.00	20.00	167.0	48.0	12.0	ICD100199	ICD 125~129
ICD 130-156-16R-12D		13.00	13.40	156.0	16.00	20.00	173.6	48.0	13.0	ICD100199	ICD 130~134
ICD 135-162-16R-12D		13.50	13.90	162.0	16.00	20.00	179.0	48.0	13.0	ICD100199	ICD 135~139
ICD 140-168-16R-12D		14.00	14.40	168.0	16.00	20.00	188.0	48.0	14.0	ICD100199	ICD 140~144
ICD 145-174-16R-12D		14.50	14.90	174.0	16.00	20.00	194.0	48.0	14.0	ICD100199	ICD 145~149
ICD 150-180-20R-12D		15.00	15.90	180.0	20.00	25.00	210.0	50.0	15.0	ICD100199	ICD 150~159
ICD 160-192-20R-12D		16.00	16.90	192.0	20.00	25.00	217.3	50.0	16.0	ICD100199	ICD 160~169
ICD 170-204-20R-12D		17.00	17.90	204.0	20.00	25.00	230.9	50.0	17.0	ICD100199	ICD 170~179
ICD 180-216-25R-12D		18.00	18.90	216.0	25.00	32.00	244.5	56.0	18.0	ICD100199	ICD 180~189
ICD 190-228-25R-12D		19.00	19.90	228.0	25.00	32.00	258.0	56.0	19.0	ICD100199	ICD 190~199
ICD 200-240-25R-12D		20.00	20.90	240.0	25.00	32.00	271.6	56.0	20.0	ICD200269	ICD 200~209
ICD 210-252-25R-12D		21.00	21.90	252.0	25.00	32.00	285.2	56.0	21.0	ICD200269	ICD 210~219
ICD 220-264-25R-12D		22.00	22.90	264.0	25.00	32.00	298.8	56.0	22.0	ICD200269	ICD 220~229
ICD 230-276-32R-12D		23.00	23.90	276.0	32.00	42.00	302.4	60.0	23.0	ICD200269	ICD 230~239
ICD 240-288-32R-12D		24.00	24.90	288.0	32.00	42.00	326.0	60.0	24.0	ICD200269	ICD 240~249
ICD 250-300-32R-12D		25.00	25.90	300.0	32.00	42.00	339.5	60.0	25.0	ICD200269	ICD 250~259
ICD 260-312-32R-12D		26.00	26.90	312.0	32.00	42.00	353.1	60.0	26.0	ICD200269	ICD 260~269
ICD 270-324-32R-12D		27.00	27.90	324.0	32.00	42.00	366.7	60.0	27.0	ICD270329	ICD 270~279
ICD 280-336-32R-12D		28.00	28.90	336.0	32.00	42.00	380.2	60.0	28.0	ICD270329	ICD 280~289
ICD 290-348-32R-12D		29.00	29.90	348.0	32.00	42.00	393.8	60.0	29.0	ICD270329	ICD 290~299
ICD 300-360-32R-12D		30.00	30.90	360.0	32.00	42.00	407.4	60.0	30.0	ICD270329	ICD 300~309
ICD 310-372-32R-12D		31.00	31.90	372.0	32.00	42.00	421.0	60.0	31.0	ICD270329	ICD 310~319
ICD 320-384-32R-12D		32.00	32.90	384.0	32.00	42.00	434.5	60.0	32.0	ICD270329	ICD 320~329

ICDC-4D 自锁式皇冠钻刀杆

ICDC-4D Self-locking interchange head rod

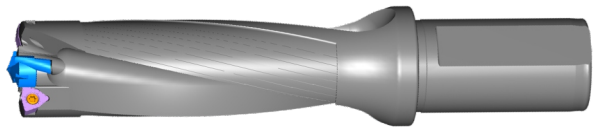


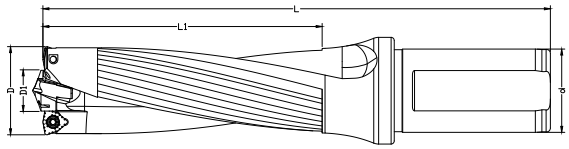


型号 Cat.No	中心钻尖 Pilot drill tips	尺寸（mm） Dimension				边刀片 Edge insert	中心钻尖扳手 Wrench	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
		直径 D	L1	L	d					
ICDC.260.A32.150.06.4D	15	26	130	164	32	SOGT060304	ICD100199	M2.5*5	T8	
ICDC.265.A32.155.06.4D	15.5	26.5	132	164	32	SOGT060304	ICD100199	M2.5*5	T8	
ICDC.270.A32.160.06.4D	16	27	135	167	32	SOGT060304	ICD100199	M2.5*5	T8	
ICDC.280.A32.170.07.4D	17	28	140	171	32	SOGT060304	ICD100199	M2.5*5	T8	
ICDC.290.A32.160.07.4D	16	29	145	177	32	SOGT070304	ICD100199	M2.5*5	T8	
ICDC.295.A32.165.07.4D	16.5	29.5	148	180	32	SOGT070304	ICD100199	M2.5*5	T8	
ICDC.300.A32.165.07.4D	16.5	30	150	183	32	SOGT070304	ICD100199	M2.5*5	T8	
ICDC.310.A32.175.07.4D	17.5	31	155	190	32	SOGT070304	ICD100199	M2.5*5	T8	
ICDC.320.A32.185.07.4D	18.5	32	160	195	32	SOGT070304	ICD100199	M2.5*5	T8	
ICDC.330.A32.175.09.4D	17.5	33	165	200	32	SOGT09T304	ICD100199	M3.0*7	T10	
ICDC.340.A32.180.09.4D	18	34	170	205	32	SOGT09T304	ICD100199	M3.0*7	T10	
ICDC.350.A32.189.09.5D	18.9	35	175	210	32	SOGT09T304	ICD100199	M3.0*7	T10	
ICDC.360.A32.190.10.5D	19	36	180	215	32	SOGT110408	ICD100199	M3.0*7	T10	
ICDC.370.A32.200.10.4D	20	37	185	220	32	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.375.A32.205.10.4D	20.5	37.5	188	223	32	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.380.A40.209.10.4D	20.9	38	190	227	40	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.390.A40.215.10.4D	21.5	39	195	233	40	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.400.A40.225.10.4D	22.5	40	200	240	40	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.405.A40.235.10.4D	23.5	40.5	203	243	40	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.410.A40.239.10.4D	23.9	41	205	245	40	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.420.A40.249.10.4D	24.9	42	210	250	40	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.430.A40.259.10.4D	25.9	43	215	258	40	SOGT110408	ICD200269	M3.0*7	T10	
ICDC.440.A40.210.12.4D	21	44	220	259	40	SOGT120408	ICD200269	M4.0*10	T15	
ICDC.450.A40.219.12.4D	21.9	45	225	264	40	SOGT120408	ICD200269	M4.0*10	T15	
ICDC.460.A40.229.12.4D	22.9	46	230	269	40	SOGT120408	ICD200269	M4.0*10	T15	
ICDC.470.A40.239.12.4D	23.9	47	235	275	40	SOGT120408	ICD200269	M4.0*10	T15	
ICDC.480.A40.249.12.4D	24.9	48	240	279	40	SOGT120408	ICD200269	M4.0*10	T15	
ICDC.490.A40.259.12.4D	25.9	49	245	286	40	SOGT120408	ICD200269	M4.0*10	T15	
ICDC.500.A40.269.12.4D	26.9	50	250	291	40	SOGT120408	ICD200269	M4.0*10	T15	

ICDC-5D 自锁式皇冠钻刀杆

ICDC-5D Self-locking interchange head rod



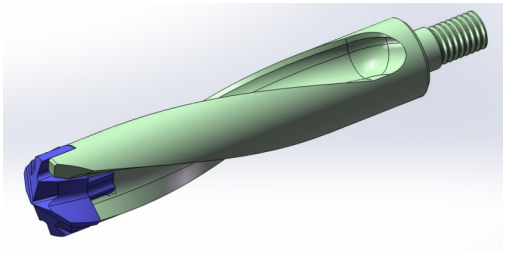


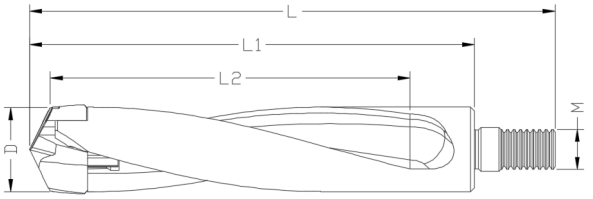
型号 Cat.No	中心钻尖 Pilot drill tips	尺寸（mm） Dimension				边刀片 Edge insert	中心钻尖扳手 Wrench	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
		直径 D	L1	L	d					
ICDC.260.A32.150.06.5D	15	26	130	164	32		ICD100199	M2.5*5	T8	
ICDC.265.A32.155.06.5D	15.5	26.5	132	164	32		ICD100199	M2.5*5	T8	
ICDC.270.A32.160.06.5D	16	27	135	167	32		ICD100199	M2.5*5	T8	
ICDC.280.A32.170.07.5D	17	28	140	171	32		ICD100199	M2.5*5	T8	
ICDC.290.A32.160.07.5D	16	29	145	177	32		ICD100199	M2.5*5	T8	
ICDC.295.A32.165.07.5D	16.5	29.5	148	180	32		ICD100199	M2.5*5	T8	
ICDC.300.A32.165.07.5D	16.5	30	150	183	32		ICD100199	M2.5*5	T8	
ICDC.310.A32.175.07.5D	17.5	31	155	190	32		ICD100199	M2.5*5	T8	
ICDC.320.A32.185.07.5D	18.5	32	160	195	32		ICD100199	M2.5*5	T8	
ICDC.330.A32.175.09.5D	17.5	33	165	200	32		ICD100199	M3.0*7	T10	
ICDC.340.A32.180.09.5D	18	34	170	205	32		ICD100199	M3.0*7	T10	
ICDC.350.A32.189.09.5D	18.9	35	175	210	32		ICD100199	M3.0*7	T10	
ICDC.360.A32.190.10.5D	19	36	180	215	32		ICD100199	M3.0*7	T10	
ICDC.370.A32.200.10.5D	20	37	185	220	32		ICD200269	M3.0*7	T10	
ICDC.375.A32.205.10.6D	20.5	37.5	188	223	32		ICD200269	M3.0*7	T10	
ICDC.380.A40.209.10.5D	20.9	38	190	227	40		ICD200269	M3.0*7	T10	
ICDC.390.A40.215.10.5D	21.5	39	195	233	40		ICD200269	M3.0*7	T10	
ICDC.400.A40.225.10.5D	22.5	40	200	240	40		ICD200269	M3.0*7	T10	
ICDC.405.A40.235.10.5D	23.5	40.5	203	243	40		ICD200269	M3.0*7	T10	
ICDC.410.A40.239.10.5D	23.9	41	205	245	40		ICD200269	M3.0*7	T10	
ICDC.420.A40.249.10.5D	24.9	42	210	250	40		ICD200269	M3.0*7	T10	
ICDC.430.A40.259.10.5D	25.9	43	215	258	40		ICD200269	M3.0*7	T10	
ICDC.440.A40.210.12.5D	21	44	220	259	40		ICD200269	M4.0*10	T15	
ICDC.450.A40.219.12.5D	21.9	45	225	264	40		ICD200269	M4.0*10	T15	
ICDC.460.A40.229.12.5D	22.9	46	230	269	40		ICD200269	M4.0*10	T15	
ICDC.470.A40.239.12.5D	23.9	47	235	275	40		ICD200269	M4.0*10	T15	
ICDC.480.A40.249.12.5D	24.9	48	240	279	40		ICD200269	M4.0*10	T15	
ICDC.490.A40.259.12.5D	25.9	49	245	286	40		ICD200269	M4.0*10	T15	
ICDC.500.A40.269.12.5D	26.9	50	250	291	40		ICD200269	M4.0*10	T15	

ICD 锁牙式皇冠钻

HLD Pull back interchangeable drill tips







型 号 Cat.No	尺寸（mm） Dimension			中心钻尖 Insert	扳手 Wrench	重量 Kg
	直径 D	L1	M			
ICD 100–M05–3D	10.0 ~ 10.4		M5	ICD/FCP/ICM/ICG100~104		
ICD 105–M05–3D	0.5 ~ 10.9		M5	ICD/FCP/ICM/ICG105~109		
ICD 110–M05–3D	11.0 ~ 11.4		M5	ICD/FCP/ICM/ICG110~114		
ICD 115–M05–3D	11.5 ~ 11.9		M5	ICD/FCP/ICM/ICG115~119		
ICD 120–M06–3D	12.0 ~ 12.4		M6	ICD/FCP/ICM/ICG120~124		
ICD 125–M06–3D	12.5 ~ 12.9		M6	ICD/FCP/ICM/ICG125~129		
ICD 130–M06–3D	13.0 ~ 13.4		M6	ICD/FCP/ICM/ICG130~134		
ICD 135–M06–3D	13.5 ~ 13.9		M6	ICD/FCP/ICM/ICG135~139		
ICD 140–M06–3D	14.0 ~ 14.4		M6	ICD/FCP/ICM/ICG140~144		
ICD 145–M06–3D	14.5 ~ 14.9		M6	ICD/FCP/ICM/ICG145~149		
ICD 150–M06–3D	15.0 ~ 15.9		M6	ICD/FCP/ICM/ICG150~159		
ICD 160–M08–3D	16.0 ~ 16.9		M8	ICD/FCP/ICM/ICG160~169		
ICD 170–M08–3D	17.0 ~ 17.9		M8	ICD/FCP/ICM/ICG170~179		
ICD 180–M08–3D	18.0 ~ 18.9		M8	ICD/FCP/ICM/ICG180~189		
ICD 190–M08–3D	19.0 ~ 19.9		M8	ICD/FCP/ICM/ICG190~199		
ICD 200–M10–3D	20.0 ~ 20.9		M10	ICD/FCP/ICM/ICG200~209		
ICD 210–M10–3D	21.0 ~ 21.9		M10	ICD/FCP/ICM/ICG210~219		
ICD 220–M10–3D	22.0 ~ 22.9		M10	ICD/FCP/ICM/ICG220~229		
ICD 230–M10–3D	23.0 ~ 23.9		M10	ICD/FCP/ICM/ICG230~239		
ICD 240–M12–3D	24.0 ~ 24.9		M12	ICD/FCP/ICM/ICG240~249		
ICD 250–M12–3D	25.0 ~ 25.9		M12	ICD/FCP/ICM/ICG250~259		
ICD 260–M12–3D	26.0 ~ 26.9		M12	ICD/FCP/ICM/ICG260~269		
ICD 270–M12–3D	27.0 ~ 27.9		M12	ICD/FCP/ICM/ICG270~279		
ICD 280–M12–3D	28.0 ~ 28.9		M12	ICD/FCP/ICM/ICG280~289		
ICD 290–M12–3D	29.0 ~ 29.9		M12	ICD/FCP/ICM/ICG290~299		
ICD 300–M16–3D	30.0 ~ 30.9		M16	ICD/FCP/ICM/ICG300~309		
ICD 310–M16–3D	31.0 ~ 31.9		M16	ICD/FCP/ICM/ICG310~319		
ICD 320–M16–3D	32.0 ~ 32.9		M16	ICD/FCP/ICM/ICG320~329		

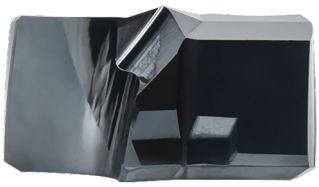


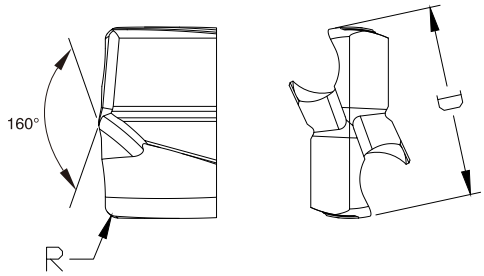
ICD扳手 ICD Wrench

型 号 Cat.No	直径 Diameter
ICD080–119	8.0~11.9
ICD120–179	12.0~17.9
ICD180–209	18.0~20.9
ICD210–260	21.0~26.0
ICD260–340	26.0~34.0

HLF 后拉式皇冠钻刀片

HLF Pull back interchangeable drill tips





型 号 Cat.No	直径 Dmin(1)	接口 Interfaces	双头螺丝 Screw	扳手 Wrench
HLF1200	12	C#	m3.0>m2.5	1.5mm
HLF1250	12.5	C#	m3.0>m2.5	1.5mm
HLF1300	13	C#	m3.0>m2.5	1.5mm
HLF1350	13.5	C#	m3.0>m2.5	1.5mm
HLF1400	14	B#	m3.0>m2.5	1.5mm
HLF1450	14.5	B#	m3.0>m2.5	1.5mm
HLE1500	15	A#	m3.0>m2.5	1.5mm
HLF1550	15.5	A#	m3.0>m2.5	1.5mm
HLF1600	16	1#	m3.5>m2.5	1.5mm
HLF1650	16.5	1#	m3.5>m2.5	1.5mm
HLF1700	17	1#	m3.5>m2.5	1.5mm
HLF1750	17.5	1#	m3.5>m2.5	1.5mm
HLF1800	18	1#	m4.0>m3.0	2.0mm
HLF1850	18.5	2#	m4.0>m3.0	2.0mm
HLF1900	19	2#	m4.0>m3.0	2.0mm
HLF1950	19.5	2#	m4.0>m3.0	2.0mm
HLF2000	20	3#	m4.0>m3.0	2.0mm
HLF2050	20.5	3#	m4.0>m3.0	2.0mm
HLF2100	21	4#	m4.0>m3.0	2.0mm
HLF2150	21.5	4#	m4.0>m3.0	2.0mm
HLF2200	22	4#	m4.0>m3.0	2.0mm
HLF2250	22.5	4#	m4.0>m3.0	2.0mm
HLF2300	23	4#	m4.0>m3.0	2.0mm
HLF2350	23.5	4#	m4.0>m3.0	2.0mm
HLF2400	24	4#	m4.0>m3.0	2.0mm
HLF2450	24.5	5#	m5.0>m4.0	2.5mm
HLF2500	25	5#	m5.0>m4.0	2.5mm
HLF2550	25.5	5#	m5.0>m4.0	2.5mm
HLF2600	26	5#	m5.0>m4.0	2.5mm
HLF2650	26.5	6#	m5.0>m4.0	2.5mm

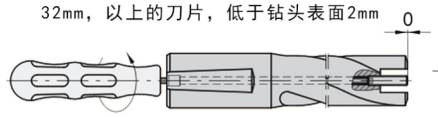
型 号 Cat.No	直径 Dmin(1)	接口 Interfaces	双头螺丝 Screw	扳手 Wrench
HLF2700	27	6#	m5.0>m4.0	2.5mm
HLF2750	27.5	6#	m5.0>m4.0	2.5mm
HLF2800	28	7#	m6.0>m5.0	3mm
HLF2850	28.5	7#	m6.0>m5.0	3mm
HLF2900	29	7#	m6.0>m5.0	3mm
HLF2950	29.5	7#	m6.0>m5.0	3mm
HLF3000	30	7#	m6.0>m5.0	3mm
HLF3050	30.5	8#	m6.0>m5.0	3mm
HLF3100	31	8#	m6.0>m5.0	3mm
HLF3150	31.5	8#	m6.0>m5.0	3mm
HLF3200	32	8#	m6.0>m5.0	3mm
HLF3250	32.5	8#	m6.0>m5.0	3mm
HLF3300	33	9#	m6.0>m6.0	3mm
HLF3350	33.5	9#	m6.0>m6.0	3mm
HLF3400	34	9#	m6.0>m6.0	3mm
HLF3450	34.5	9#	m6.0>m6.0	3mm
HLF3500	35	9#	m6.0>m6.0	3mm
HLF3550	35.5	9#	m6.0>m6.0	3mm
HLF3600	36	9#	m6.0>m6.0	3mm
HLF3650	36.5	10#	m6.0>m6.0	3mm
HLF3700	37	10#	m6.0>m6.0	3mm
HLF3750	37.5	10#	m6.0>m6.0	3mm
HLF3800	38	10#	m6.0>m6.0	3mm
HLF3850	38.5	10#	m6.0>m6.0	3mm
HLF3900	39	10#	m6.0>m6.0	3mm
HLF3950	39.5	10#	m6.0>m6.0	3mm
HLF4000	40	10#	m6.0>m6.0	3mm

HLF/HLD后拉皇冠钻安装指南

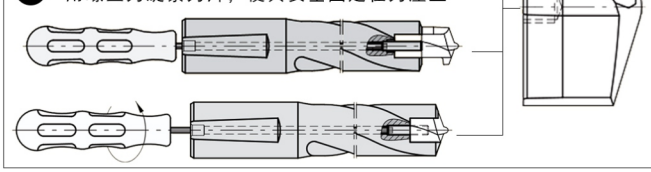
❶ 用螺丝刀设置螺纹销

32mm，以下的刀片，与钻头表面齐平

32mm，以上的刀片，低于钻头表面2mm



❷ 用螺丝刀旋紧刀片，使其安全固定在刀座上





螺丝刀

如需更换刀片，逆时针旋转夹持螺钉，直至刀片松动

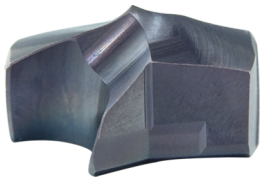
修复破损的螺纹销

如果中心螺纹销破损 ，可以从刀体上分割开然后移除。如需这样做，要从刀体的刀座下钻削。然后就可以移除刀片和纹销如需了解有关维修孔的位置和直径详情

HLD 后拉式皇冠钻刀片

HLD Pull back interchangeable drill tips

PT



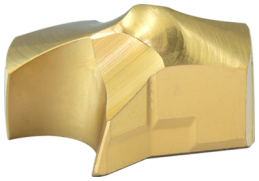
S–高温合金
M–不锈钢
P–合金钢

DR

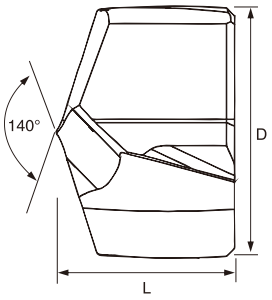


H–高硬材料
K–铸铁
M–不锈钢

SZR



P–碳钢及软材料

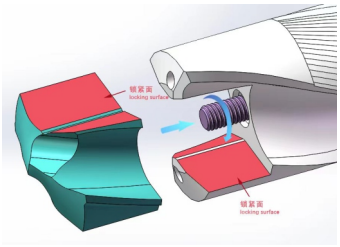


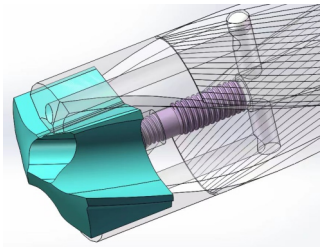
型 号 Cat.No HLD	D 直径 公制 mm	英制 inch	十进制 inch	钻杆接口 interfaces	双头螺丝 Screw	扳手 Wrench
HLD1200	12.00			C	m3>m2.5	1.5mm
HLD1250	12.50		4921"	C	m3>m2.5	1.5mm
HLD1270	12.70	1/2"	5000"	C	m3>m2.5	1.5mm
HLD1300	13.00		5118"	C	m3>m2.5	1.5mm
HLD1310	13.10	33/64"	5156"	C	m3>m2.5	1.5mm
HLD1350	13.50		5315"	C	m3>m2.5	1.5mm
HLD1400	14.00		5512"	B	m3>m2.5	1.5mm
HLD1450	14.50		5709"	B	m3>m2.5	1.5mm
HLD1500	15.00		5906"	A	m3>m2.5	1.5mm
HLD1548	15.48	39/64"	6094"	A	m3>m2.5	1.5mm
HLD1550	15.50		6102"	A	m3 >m2.5	1.5mm
HLD1600	16.00		6299"	1	m3.5>m2.5	1.5mm
HLD1650	16.50		6496"	1	m3.5>m2.5	1.5mm
HLD1700	17.00		6693"	1	m3.5>m2.5	1.5mm
HLD1750	17.50		6890”	1	m3.5> m2.5	1.5mm
HLD1800	18.00		7087"	1	m3.5>m2.5	1.5mm
HLD1850	18.50		7283"	2	m4>m3	2mm
HLD1900	19.00		7480"	2	m4>m3	2mm
HLD1945	19.45	49/64"	7656″	2	m4>m3	2mm
HLD1950	19.50		7677"	2	m4>m3	2mm
HLD2000	20.00		7874"	3	m4>m3	2mm
HLD2050	20.50		8071"	3	m4>m3	2mm
HLD2100	21.00		8268"	3	m4>m3	2mm
HLD2183	21.83	55/64"	8594"	3	m4>m3	2mm
HLD2200	22.00		8661"	3	m4>m3	2mm
HLD2223	22.23	7/8 "	8750"	4	m4>m3	2mm
HLD2262	22.62	57/64"	8906"	4	m4>m3	2mm
HLD2300	23.00		9055"	4	m4>m3	2mm

型 号 Cat.No HLD	D 直径 公制 mm	英制 inch	十进制 inch	钻杆接口 interfaces	双头螺丝 Screw	扳手 Wrench
HLD2302	23.02	29/32	9063"	4	m4>m3	2mm
HLD2342	23.42	59/64	9219"	4	m4>m3	2mm
HLD2400	24.00		9449"	4	m4>m3	2mm
HLD2410	24.10		9488"	5	m5>m4	2.5mm
HLD2500	25.00	63/64	9843"	5	m5>m4	2.5mm
HLD2540	25.40	1	1.0000"	5	m5>m4	2.5mm
HLD2580	25.80	1–1/64	1.0156"	5	m5>m4	2.5mm
HLD2600	26.00		1.0236"	5	m5>m4	2.5mm
HLD2699	26.99	36907	1.0625"	6	m5>m4	2.5mm
HLD2700	27.00		1.0630"	6	m5>m4	2.5mm
HLD2800	28.00		1.1024"	7	m6>m5	3mm
HLD2858	28.58	1–1/8"	1.1250"	7	m6>m5	3mm
HLD2900	29.00		1.1417"	7	m6>m5	3mm
HLD3000	30.00		1.1811"	7	m6>m5	3mm
HLD3016	30.16	1–3/16"	1.1875"	8	m6>m5	3mm
HLD3100	31.00		1.2205"	8	m6>m5	3mm
HLD3175	31.75	1–1/4"	1.2500"	8	m6>m5	3mm
HLD3200	32.00		1.2598"	8	m6>m5	3mm
HLD3254	32.54	1–9/32"	1.2813"	9	m6>m6	3mm
HLD3300	33.00		1.2992"	9	m6>m6	3mm
HLD3400	34.00		1.3386"	9	m6>m6	3mm
HLD3493	34.93	1–3/8"	1.3750"	9	m6>m6	3mm
HLD3500	35.00		1.3780"	9	m6>m6	3mm
HLD3600	36.00		1.4173"	9	m6>m6	3mm
HLD3651	36.51	1–7/16"	1.4375"	10	m6>m6	3mm
HLD3700	37.00		1.4567"	10	m6>m6	3mm
HLD3800	38.00		1.4961"	10	m6>m6	3mm
HLD3810	38.10	1–1/2"	1.5000"	10	m6>m6	3mm
HLD3900	39.00		1.5354"	10	m6>m6	3mm
HLD4000	40.00		1.5748"	10	m6>m6	3mm
HLD4200				11	m6>m6	3mm
HLD4500				11	m6>m6	3mm
HLD5000				12	m6>m6	3mm
HLD5300				12	m6>m6	3mm

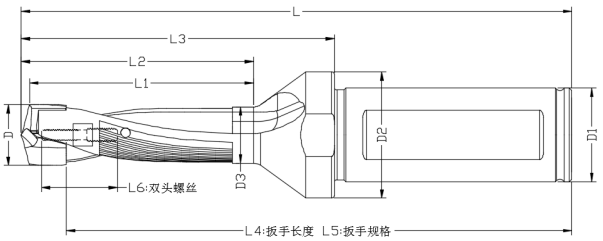
HLD 后拉式皇冠钻

HLD-1.5D Pull back interchangeable drill





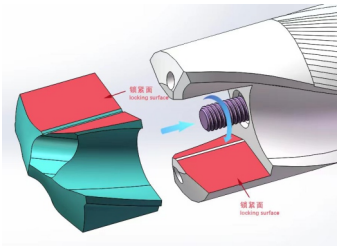


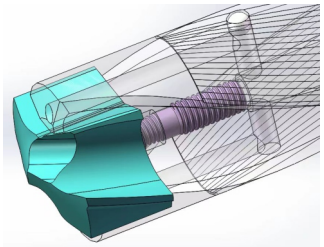


型 号 Cat.No	倍径 D*L	直径 D Dia	柄径D1 Shank	D2	D3	全长L Full lenght	刃长L1 Edge lenght	L2	L3	扳 手 Wrench	双头螺丝 Screw	重量 Kg
HLD125-135-20A-1.5D-C	1.5D	Φ12.20~13.50	20	27	12	86	25	29	36	T6	m3.0>m2.5	
HLD136-145-20A-1.5D-B		Φ13.51~14.50	20	27	13	98	27	31	48	T6	m3.0>m2.5	
HLD146-156-20A-1.5D-A		Φ14.51~15.87	20	27	14	101	30	34	51	T6	m3.0>m2.5	
HLD159-180-20A-1.5D-1		Φ15.88~18.00	20	27	15	104	34	37	54	1.5*150L	m3.5>m2.5	
HLD183-198-25A-1.5D-2		Φ18.01~19.99	25	31	17	115	37	40	59	2.0*150L	m4.0>m3.0	
HLD200-220-25A-1.5D-3		Φ20.00~22.00	25	31	19	118	40	43	62	2.0*150L	m4.0>m3.0	
HLD222-240-25A-1.5D-4		Φ22.01~24.00	25	31	21	120	41	45	64	2.0*150L	m4.0>m3.0	
HLD245-260-32A-1.5D-5		Φ24.01~26.00	32	41	23	131	44	48	71	2.5*150L	m5.0>m4.0	
HLD262-280-32A-1.5D-6		Φ26.01~28.00	32	41	25	134	47	51	74	2.5*150L	m5.0>m4.0	
HLD281-300-32A-1.5D-7		Φ28.01~30.00	32	41	27	137	50	54	77	3.0*150L	m6.0>m5.0	
HLD302-320-32A-1.5D-8		Φ30.01~32.00	32	41	29	141	53	58	81	3.0*150L	m6.0>m6.0	
HLD325-360-40A-1.5D-9		Φ32.01~36.00	40	49	31	159	59	66	89	3.0*200L	m6.0>m6.0	
HLD370-400-40A-1.5D-10		Φ36.01~40.00	40	49	35	165	64	72	95	3.0*200L	m6.0>m6.0	
HLD125-135-20A-3D-C	3D	Φ12.20~13.50	20	27	12	116	47	49	66	T6	m3.0>m2.5	
HLD136-145-20A-3D-B		Φ13.51~14.50	20	27	13	120	50	53	70	T6	m3.0>m2.5	
HLD146-156-20A-3D-A		Φ14.51~15.87	20	27	14	122	52	55	72	T6	m3.0>m2.5	
HLD159-180-20A-3D-1		Φ15.88~18.00	20	27	15	131	61	64	81	1.5*150L	m3.5>m2.5	
HLD183-198-25A-3D-2		Φ18.01~19.99	25	31	17	145	67	70	89	2.0*150L	m4.0>m3.0	
HLD200-220-25A-3D-3		Φ20.00~22.00	25	31	19	151	73	76	95	2.0*150L	m4.0>m3.0	
HLD222-240-25A-3D-4		Φ22.01~24.00	25	31	21	156	77	81	100	2.0*200L	m4.0>m3.0	
HLD245-260-32A-3D-5		Φ24.01~26.00	32	41	23	170	83	87	110	2.5*200L	m5.0>m4.0	
HLD262-280-32A-3D-6		Φ26.01~28.00	32	41	25	176	89	93	116	2.5*200L	m5.0>m4.0	
HLD281-300-32A-3D-7		Φ28.01~30.00	32	41	27	182	95	99	122	3.0*200L	m6.0>m5.0	
HLD302-320-32A-3D-8		Φ30.01~32.00	32	41	29	189	101	106	129	3.0*200L	m6.0>m6.0	
HLD325-360-40A-3D-9		Φ32.01~36.00	40	49	31	213	113	120	143	3.0*250L	m6.0>m6.0	
HLD370-400-40A-3D-10		Φ36.01~40.00	40	49	35	225	124	132	155	3.0*250L	m6.0>m6.0	
HLD125-135-20A-5D-C	5D	Φ12.20~13.50	20	27	12	144	75	77	94	T6	m3.0>m2.5	
HLD136-145-20A-5D-B		Φ13.51~14.50	20	27	13	150	80	83	100	T6	m3.0>m2.5	
HLD146-156-20A-5D-A		Φ14.51~15.87	20	27	14	154	84	87	104	T6	m3.0>m2.5	
HLD159-180-20A-5D-1		Φ15.88~18.00	20	27	15	167	97	100	117	1.5*200L	m3.5>m2.5	
HLD183-198-25A-5D-2		Φ18.01~19.99	25	31	17	185	107	110	129	2.0*200L	m4.0>m3.0	
HLD200-220-25A-5D-3		Φ20.00~22.00	25	31	19	195	117	120	139	2.0*200L	m4.0>m3.0	
HLD222-240-25A-5D-4		Φ22.01~24.00	25	31	21	204	125	129	148	2.0*250L	m4.0>m3.0	
HLD245-260-32A-5D-5		Φ24.01~26.00	32	41	23	222	135	139	162	2.5*250L	m5.0>m4.0	
HLD262-280-32A-5D-6		Φ26.01~28.00	32	41	25	232	145	149	172	2.5*250L	m5.0>m4.0	
HLD281-300-32A-5D-7		Φ28.01~30.00	32	41	27	242	155	159	182	3.0*250L	m6.0>m5.0	
HLD302-320-32A-5D-8		Φ30.01~32.00	32	41	29	253	165	170	193	3.0*250L	m6.0>m5.0	
HLD325-360-40A-5D-9		Φ32.01~36.00	40	49	31	285	185	192	215	3.0*300L	m6.0>m6.0	
HLD370-400-40A-5D-10		Φ36.01~40.00	40	49	35	305	204	212	235	3.0*300L	m6.0>m6.0	

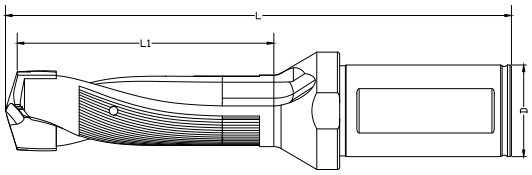
HLD 后拉式皇冠钻

HLD-3D Pull back interchangeable drill





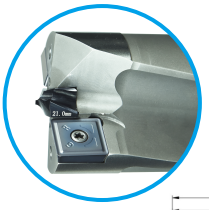




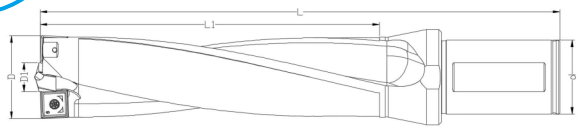
型 号 Cat.No	倍径 D*L	直径 D Dia	柄径D1 Shank	D2	D3	全长L Full lenght	刃长L1 Edge lenght	L2	L3	扳 手 Wrench	双头螺丝 Screw	重量 Kg
HLD125-135-20A-8D-C	8D	Φ12.20~13.50	20	27	12	186	117	119	136	1.5*200L	m3.0>m2.5	
HLD136-145-20A-8D-B		Φ13.51~14.50	20	27	13	195	125	128	145	1.5*200L	m3.0>m2.5	
HLD146-156-20A-8D-A		Φ14.51~15.87	20	27	14	202	132	1325	152	1.5*250L	m3.0>m2.5	
HLD159-180-20A-8D-1		Φ15.88~18.00	20	27	15	221	151	154	171	1.5*250L	m3.5>m2.5	
HLD183-198-25A-8D-2		Φ18.01~19.99	25	31	17	245	167	170	189	2.0*250L	m4.0>m3.0	
HLD200-220-25A-8D-3		Φ20.00~22.00	25	31	19	261	183	186	205	2.0*300L	m4.0>m3.0	
HLD222-240-25A-8D-4		Φ22.01~24.00	25	31	21	276	197	201	220	2.0*300L	m4.0>m3.0	
HLD245-260-32A-8D-5		Φ24.01~26.00	32	41	23	300	213	217	240	2.5*300L	m5.0>m4.0	
HLD262-280-32A-8D-6		Φ26.01~28.00	32	41	25	316	229	233	256	2.5*350L	m5.0>m4.0	
HLD281-300-32A-8D-7		Φ28.01~30.00	32	41	27	332	245	249	272	3.0*350L	m6.0>m5.0	
HLD302-320-32A-8D-8		Φ30.01~32.00	32	41	29	349	261	266	289	3.0*350L	m6.0>m5.0	
HLD325-360-40A-8D-9		Φ32.01~36.00	40	49	31	393	293	300	323	3.0*400L	m6.0>m6.0	
HLD370-400-40A-8D-10		Φ36.01~40.00	40	49	35	425	324	332	355	3.0*450L	m6.0>m6.0	
HLD125-135-20A-10D-C	10D	Φ12.20~13.50	20	27	12	214	145	147	164	1.5*250L	m3.0>m2.5	
HLD136-145-20A-10D-B		Φ13.51~14.50	20	27	13	225	155	158	175	1.5*250L	m3.0>m2.5	
HLD146-156-20A-10D-A		Φ14.51~15.87	20	27	14	234	164	167	184	1.5*250L	m3.0>m2.5	
HLD159-180-20A-10D-1		Φ15.88~18.00	20	27	15	257	187	190	207	1.5*300L	m3.5>m2.5	
HLD183-198-25A-10D-2		Φ18.01~19.99	25	31	17	285	207	210	229	2.0*300L	m4.0>m3.0	
HLD200-220-25A-10D-3		Φ20.00~22.00	25	31	19	305	227	230	249	2.0*350L	m4.0>m3.0	
HLD222-240-25A-10D-4		Φ22.01~24.00	25	31	21	324	245	249	268	2.0*350L	m4.0>m3.0	
HLD245-260-32A-10D-5		Φ24.01~26.00	32	41	23	352	265	269	292	2.5*350L	m5.0>m4.0	
HLD262-280-32A-10D-6		Φ26.01~28.00	32	41	25	372	285	289	312	2.5*400L	m5.0>m4.0	
HLD281-300-32A-10D-7		Φ28.01~30.00	32	41	27	392	305	309	332	3.0*400L	m6.0>m5.0	
HLD302-320-32A-10D-8		Φ30.01~32.00	32	41	29	413	325	330	353	3.0*450L	m6.0>m5.0	
HLD325-360-40A-10D-9		Φ32.01~36.00	40	49	31	465	365	372	395	3.0*500L	m6.0>m6.0	
HLD370-400-40A-10D-10		Φ36.01~40.00	40	49	35	505	404	412	435	3.0*500L	m6.0>m6.0	
HLD146-156-20A-12D-A	12D	Φ14.51~15.87	20	27	14	266	193	199	216	1.5*300L	m3.0>m2.5	
HLD159-180-20A-12D-1		Φ15.88~18.00	20	27	15	293	219	226	243	1.5*300L	m3.5>m2.5	
HLD183-198-25A-12D-2		Φ18.01~19.99	25	31	17	325	243	250	269	2.0*350L	m4.0>m3.0	
HLD200-220-25A-12D-3		Φ20.00~22.00	25	31	19	349	266	273	293	2.0*350L	m4.0>m3.0	
HLD222-240-25A-12D-4		Φ22.01~24.00	25	31	21	372	288	295	316	2.0*400L	m4.0>m3.0	
HLD245-260-32A-12D-5		Φ24.01~26.00	32	41	23	406	313	323	346	2.5*450L	m5.0>m4.0	
HLD262-280-32A-12D-6		Φ26.01~28.00	32	41	25	429	337	346	369	2.5*450L	m5.0>m4.0	
HLD281-300-32A-12D-7		Φ28.01~30.00	32	41	27	453	360	370	393	3.0*450L	m6.0>m5.0	
HLD302-320-32A-12D-8		Φ30.01~32.00	32	41	29	477	384	394	417	3.0*500L	m6.0>m5.0	
HLD325-360-40A-12D-9		Φ32.01~36.00	40	49	31	535	432	443	465	3.0*550L	m6.0>m6.0	
HLD370-400-40A-12D-10		Φ36.01~40.00	40	49	35	589	480	491	519	3.0*600L	m6.0>m6.0	

HLB-4D皇冠钻杆

HLB-4D Pull back interchangeable drill rod



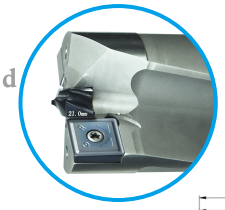




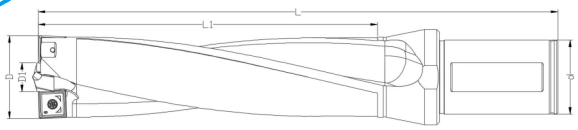
型 号 Cat.No	直径 Dia D	中心钻尖D1 Centering drill tip	刃长 Edge lenght L1	全长 Full lenght L	柄径 Shank d	边刀片 Edge inser	双头螺丝 Stud screw	中心钻尖扳手 Wrench	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
HLB280-4D-C32	28	14	112	195	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB285-4D-C32	28.5	14.5	114	197	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB290-4D-C32	29	15	116	199	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB295-4D-C32	29.5	15.5	118	201	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB300-4D-C32	30	16	120	203	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB305-4D-C32	30.5	16.5	122	205	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB310-4D-C32	31	17	124	207	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB315-4D-C32	31.5	17.5	126	209	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB320-4D-C32	32	15.5	128	211	32	880-050305-H-P	M3>M2.5	1.5MM	M2.5*6	T8	
HLB325-4D-C40	32.5	16	130	228	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB330-4D-C40	33	16.5	132	230	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB335-4D-C40	33.5	17	134	232	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB340-4D-C40	34	17.5	136	234	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB345-4D-C40	34.5	18	138	236	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB350-4D-C40	35	18.5	140	238	40	880-050305-H-P	M4>M3	2.0MM	M2.5*6	T8	
HLB355-4D-C40	35.5	19	142	240	40	880-050305-H-P	M4>M3	2.0MM	M2.5*6	T8	
HLB360-4D-C40	36	17	144	242	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB365-4D-C40	36.5	17	146	244	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB370-4D-C40	37	18	148	246	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB375-4D-C40	37.5	18	150	248	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB380-4D-C40	38	19	152	250	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB385-4D-C40	38.5	19	154	252	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB390-4D-C40	39	20	156	254	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB395-4D-C40	39.5	20	158	256	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB400-4D-C40	40	16	160	258	40	880-070406-H-P	M3>M2.5	1.5MM	M5.0*11	T20	
HLB405-4D-C40	40.5	16	162	260	40	880-070406-H-P	M3>M2.5	1.5MM	M5.0*11	T20	
HLB410-4D-C40	41	17	164	262	40	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB415-4D-C40	41.5	17	166	264	40	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB420-4D-C40	42	18	168	266	40	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB425-4D-C50	42.5	18	170	270	50	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB430-4D-C50	43	19	172	272	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB435-4D-C50	43.5	19	174	274	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB440-4D-C50	44	20	176	276	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB445-4D-C50	44.5	20	178	278	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB450-4D-C50	45	21	180	280	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB455-4D-C50	45.5	21	182	282	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB460-4D-C50	46	22	184	284	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	

HLB-4D皇冠钻杆

HLB-4D Pull back interchangeable drill rod



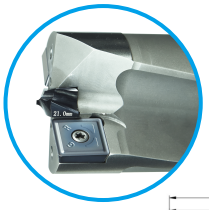




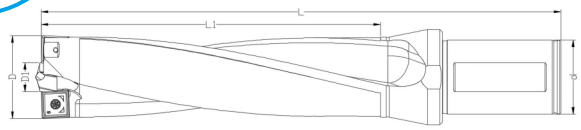
型 号 Cat.No	直径 Dia D	中心钻尖D1 Centering drill tip	刃长 Edge lenght L1	全长 Full lenght L	柄径 Shank d	边刀片 Edge inser	双头螺丝 Stud screw	中心钻尖扳手 Wrench	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
HLB465-4D-C50	46.5	22	186	286	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB470-4D-C50	47	23	188	288	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB475-4D-C50	47.5	23	190	290	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB480-4D-C50	48	24	192	292	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB485-4D-C50	48.5	24	194	294	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB490-4D-C50	49	25	196	296	50	880-070406-H-P	M5>M4	2.5MM	M5.0*11	T20	
HLB495-4D-C50	49.5	25	198	298	50	880-070406-H-P	M5>M4	2.5MM	M5.0*11	T20	
HLB500-4D-C50	50	21	200	300	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB505-4D-C50	50.5	21	202	302	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB510-4D-C50	51	22	204	304	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB515-4D-C50	51.5	22	206	306	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB520-4D-C50	52	23	208	308	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB525-4D-C50	52.5	23	210	310	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB530-4D-C50	53	24	212	312	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB535-4D-C50	53.5	24	214	314	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB540-4D-C50	54	25	216	316	50	880-0805086-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB545-4D-C50	54.5	25	218	318	50	880-0805086-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB550-4D-C50	55	26	220	320	50	880-0805086-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB560-4D-C50	56	21	224	324	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB570-4D-C50	57	22	228	328	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB580-4D-C50	58	23	232	332	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB590-4D-C50	59	24	236	336	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB600-4D-C50	60	25	240	340	50	880-090608-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB610-4D-C50	61	26	248	344	50	880-090608-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB620-4D-C50	62	27	252	348	50	880-090608-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB630-4D-C50	63	28	252	352	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB640-4D-C50	64	29	256	356	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB650-4D-C50	65	30	260	360	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB660-4D-C50	66	31	264	364	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB670-4D-C50	67	32	268	368	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB680-4D-C50	68	33	272	372	50	880-090608-H-P	M6>M6	3.0MM	M6.0*14	T25	
HLB690-4D-C50	69	34	276	376	50	880-090608-H-P	M6>M6	3.0MM	M6.0*14	T25	
HLB700-4D-C50	70	35	280	380	50	880-090608-H-P	M6>M6	3.0MM	M6.0*14	T25	

HLB-6D皇冠钻杆

HLB-6D Pull back interchangeable drill rod



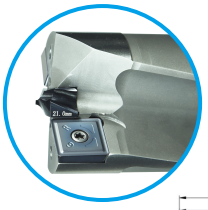




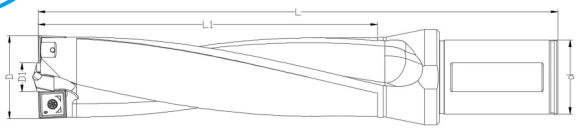
型 号 Cat.No	直径 Dia D	中心钻尖D1 Centering drill tip	刃长 Edge lenght L1	全长 Full lenght L	柄径 Shank d	边刀片 Edge inser	双头螺丝 Stud screw	中心钻尖扳手 Wrench	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
HLB280-6D-C32	28	14	168	251	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB285-6D-C32	28.5	14.5	171	254	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB290-6D-C32	29	15	174	257	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB295-6D-C32	29.5	15.5	177	260	32	880-040305-H-P	M3>M2.5	1.5MM	M2.2*5	T7	
HLB300-6D-C32	30	16	180	263	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB305-6D-C32	30.5	16.5	183	266	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB310-6D-C32	31	17	186	269	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB315-6D-C32	31.5	17.5	189	272	32	880-040305-H-P	M3.5>M2.5	1.5MM	M2.2*5	T7	
HLB320-6D-C32	32	15.5	192	275	32	880-050305-H-P	M3>M2.5	1.5MM	M2.5*6	T8	
HLB325-6D-C40	32.5	16	195	293	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB330-6D-C40	33	16.5	198	296	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB335-6D-C40	33.5	17	201	299	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB340-6D-C40	34	17.5	204	302	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB345-6D-C40	34.5	18	207	305	40	880-050305-H-P	M3.5>M2.5	1.5MM	M2.5*6	T8	
HLB350-6D-C40	35	18.5	210	308	40	880-050305-H-P	M4>M3	2.0MM	M2.5*6	T8	
HLB355-6D-C40	35.5	19	213	311	40	880-050305-H-P	M4>M3	2.0MM	M2.5*6	T8	
HLB360-6D-C40	36	17	216	314	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB365-6D-C40	36.5	17	219	317	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB370-6D-C40	37	18	222	320	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB375-6D-C40	37.5	18	225	323	40	880-060406-H-P	M3.5>M2.5	1.5MM	M3.5*8	T15	
HLB380-6D-C40	38	19	228	326	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB385-6D-C40	38.5	19	231	329	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB390-6D-C40	39	20	234	332	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB395-6D-C40	39.5	20	237	335	40	880-060406-H-P	M4>M3	2.0MM	M3.5*8	T15	
HLB400-6D-C40	40	16	240	338	40	880-070406-H-P	M3>M2.5	1.5MM	M5.0*11	T20	
HLB405-6D-C40	40.5	16	243	341	40	880-070406-H-P	M3>M2.5	1.5MM	M5.0*11	T20	
HLB410-6D-C40	41	17	246	344	40	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB415-6D-C40	41.5	17	249	347	40	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB420-6D-C40	42	18	252	350	40	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB425-6D-C50	42.5	18	255	355	50	880-070406-H-P	M3.5>M2.5	1.5MM	M5.0*11	T20	
HLB430-6D-C50	43	19	258	358	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB435-6D-C50	43.5	19	261	361	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB440-6D-C50	44	20	264	364	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB445-6D-C50	44.5	20	267	367	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB450-6D-C50	45	21	270	370	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB455-6D-C50	45.5	21	273	373	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB460-6D-C50	46	22	276	376	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	

HLB-6D皇冠钻杆

HLB-6D Pull back interchangeable drill rod



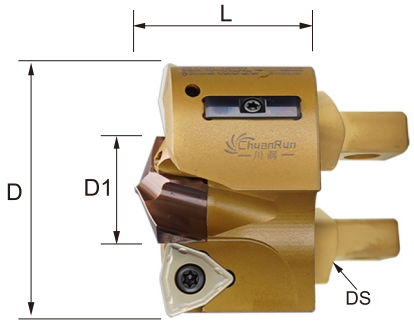


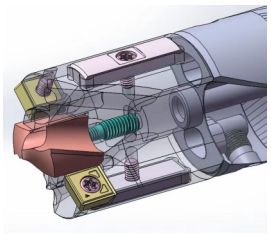


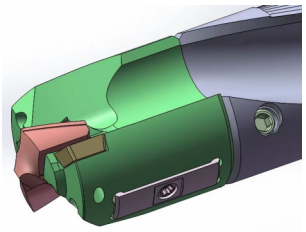
型 号 Cat.No	直径 Dia D	中心钻尖D1 Centering drill tip	刃长 Edge lenght L1	全长 Full lenght L	柄径 Shank d	边刀片 Edge inser	双头螺丝 Stud screw	中心钻尖扳手 Wrench	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
HLB465-6D-C50	46.5	22	279	379	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB470-6D-C50	47	23	282	382	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB475-6D-C50	47.5	23	285	385	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB480-6D-C50	48	24	288	388	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB485-6D-C50	48.5	24	291	391	50	880-070406-H-P	M4>M3	2.0MM	M5.0*11	T20	
HLB490-6D-C50	49	25	294	394	50	880-070406-H-P	M5>M4	2.5MM	M5.0*11	T20	
HLB495-6D-C50	49.5	25	297	397	50	880-070406-H-P	M5>M4	2.5MM	M5.0*11	T20	
HLB500-6D-C50	50	21	300	400	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB505-6D-C50	50.5	21	303	403	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB510-6D-C50	51	22	306	406	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB515-6D-C50	51.5	22	309	409	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB520-6D-C50	52	23	312	412	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB525-6D-C50	52.5	23	315	415	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB530-6D-C50	53	24	318	418	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB535-6D-C50	53.5	24	321	421	50	880-0805086-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB540-6D-C50	54	25	324	424	50	880-0805086-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB545-6D-C50	54.5	25	327	427	50	880-0805086-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB550-6D-C50	55	26	330	430	50	880-0805086-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB560-6D-C50	56	21	336	430	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB570-6D-C50	57	22	342	436	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB580-6D-C50	58	23	348	448	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB590-6D-C50	59	24	354	454	50	880-090608-H-P	M4>M3	2.0MM	M6.0*14	T25	
HLB600-6D-C50	60	25	360	460	50	880-090608-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB610-6D-C50	61	26	366	466	50	880-090608-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB620-6D-C50	62	27	372	472	50	880-090608-H-P	M5>M4	2.5MM	M6.0*14	T25	
HLB630-6D-C50	63	28	378	478	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB640-6D-C50	64	29	384	484	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB650-6D-C50	65	30	390	490	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB660-6D-C50	66	31	396	496	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB670-6D-C50	67	32	402	502	50	880-090608-H-P	M6>M5	3.0MM	M6.0*14	T25	
HLB680-6D-C50	68	33	408	508	50	880-090608-H-P	M6>M6	3.0MM	M6.0*14	T25	
HLB690-6D-C50	69	34	414	514	50	880-090608-H-P	M6>M6	3.0MM	M6.0*14	T25	
HLB700-6D-C50	70	35	420	520	50	880-090608-H-P	M6>M6	3.0MM	M6.0*14	T25	

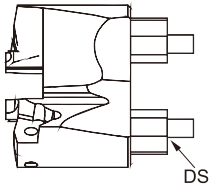
HLC 可换钻头

HLC interchangeable drill head

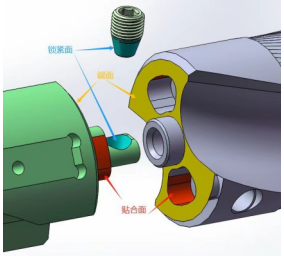


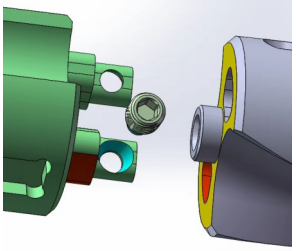


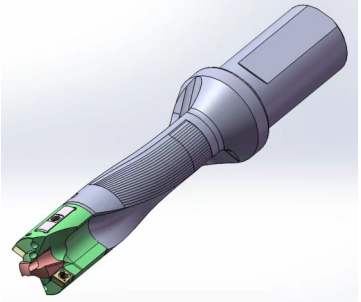




直径 D	中心钻尖D1 Centering drill tip	中心刃接口 Tips interface	L	L1	刀杆接口 Rod interface	中心钻尖扳手 Centering tips wrench	双头螺丝 Stud screw	边刀片 Edge inser	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
HLC28.0	14	B	24.9	22	DS28		M3>M2.5				
HLC28.5	14.5	B	25	22	DS28		M3>M2.5				
HLC29.0	15	A	25	22	DS28		M3>M2.5				
HLC29.5	15.5	A	25.2	22	DS28		M3>M2.5	880-040305-H-P	M2.5X6	T8	
HLC30.0	16	1	25.2	22	DS28		M3.5>M2.5				
HLC30.5	16.5	1	25.2	22	DS28		M3.5>M2.5				
HLC31.0	17	1	25.4	22	DS28		M3.5>M2.5				
HLC31.5	17.5	1	25.4	22	DS28		M3.5>M2.5				
HLC32.0	15.5	A	23	20	DS32		M3>M2.5				
HLC32.5	16	1	23	20	DS32		M3.5>M2.5				
HLC33.0	16.5	1	23	20	DS32		M3.5>M2.5				
HLC33.5	17	1	23	20	DS32		M3.5>M2.5	880-050305-H-P	M3X8	T10	
HLC34.0	17.5	1	24	20	DS32		M3.5>M2.5				
HLC34.5	18	1	24	20	DS32		M3.5>M2.5				
HLC35.0	18.5	2	24	20	DS32		M4>M3				
HLC35.5	19	2	24	20	DS32		M4>M3				
HLC36.0	17	1	25	25	DS36		M3.5>M2.5				
HLC36.5	17	1	25	25	DS36		M3.5>M2.5				
HLC37.0	18	1	25	25	DS36		M3.5>M2.5				
HLC37.5	18	1	25	25	DS36		M3.5>M2.5	880-060406-H-P	M3.5X10	T15	
HLC38.0	19	2	25	25	DS36		M4>M3				
HLC38.5	19	2	25	25	DS36		M4>M3				
HLC39.0	20	3	25	25	DS36		M4>M3				
HLC39.5	20	3	25	25	DS36		M4>M3				
HLC40.0	16	1	29	25	DS40		M3>M2.5				
HLC40.5	16	1	29	25	DS40		M3>M2.5				
HLC41.0	17	1	29	25	DS40		M3.5>M2.5				
HLC41.5	17	1	29	25	DS40		M3.5>M2.5				
HLC42.0	18	1	29	25	DS40		M3.5>M2.5	880-070406-H-P	M3.5X10	T15	
HLC42.5	18	1	29	25	DS40		M3.5>M2.5				
HLC43.0	19	2	29	25	DS40		M4>M3				
HLC43.5	19	2	29	25	DS40		M4>M3				
HLC44.0	20	3	29	25	DS40		M4>M3				
HLC44.5	20	3	29	25	DS40		M4>M3				

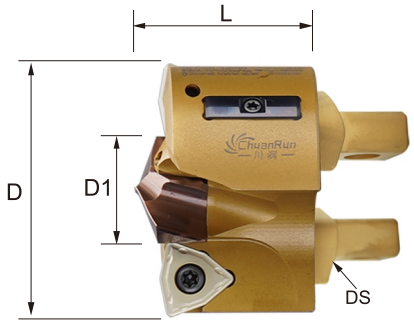


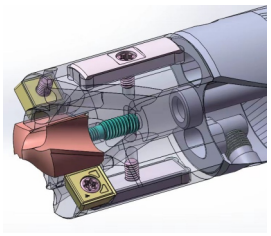


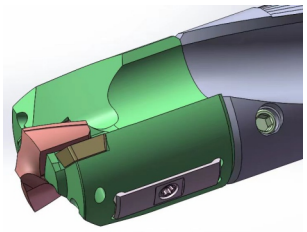


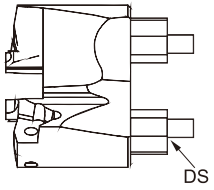
HLC 可换钻头

HLC interchangeable drill head







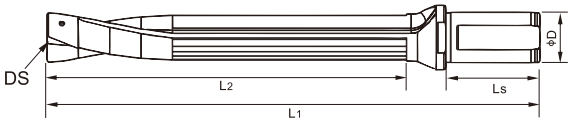


直径 D	中心钻尖D1 Centering drill tip	中心刃接口 Tips interface	L	L1	刀杆接口 Rod interface	中心钻尖扳手 Centering tips wrench	双头螺丝 Stud screw	边刀片Edge inser	边刀片螺丝 Screw	边刀片扳手 Wrench	重量 Kg
HLC45.0	21	3	30	25	DS45		M4>M3				
HLC45.5	21	3	30	25	DS45		M4>M3				
HLC46.0	22	3	30	25	DS45		M4>M3				
HLC46.5	22	3	30	25	DS45		M4>M3				
HLC47.0	23	4	30	25	DS45		M4>M3	880-070406-H-P	M3.5X10	T15	
HLC47.5	23	4	30	25	DS45		M4>M3				
HLC48.0	24	4	30	25	DS45		M4>M3				
HLC48.5	24	4	30	25	DS45		M4>M3				
HLC49.0	25	5	30	25	DS45		M5-M4				
HLC49.5	25	5	30	25	DS45		M5-M4				
HLC50.0	21	3	35	30	DS50		M4>M3				
HLC50.5	21	3	35	30	DS50		M4>M3				
HLC51.0	22	3	35	30	DS50		M4>M3				
HLC51.5	22	3	35	30	DS50		M4>M3				
HLC52.0	23	4	35	30	DS50		M4>M3				
HLC52.5	23	4	35	30	DS50		M4>M3				
HLC53.0	24	4	35	30	DS50		M4>M3	880-080508-H-P	M4.0X10	T15	
HLC53.5	24	4	35	30	DS50		M4>M3				
HLC54.0	25	5	35	30	DS50		M5-M4				
HLC54.5	25	5	35	30	DS50		M5-M4				
HLC55.0	26	5	35	30	DS50		M5-M4				
HLC55.5	26	5	35	30	DS50		M5-M4				
HLC56.0	21	3	42	36	DS56		M4>M3				
HLC57.0	22	3	42	36	DS56		M4>M3				
HLC58.0	23	4	42	36	DS56		M4>M3				
HLC59.0	24	4	42	36	DS56		M4>M3	880 090608-H-P	M4.0X10	T15	
HLC60.0	25	5	42	36	DS56		M5-M4				
HLC61.0	26	5	42	36	DS56		M5-M4				
HLC62.0	27	6	42	36	DS56		M5-M4				
HLC63.0	28	6	42	36	DS63		M6-M5				
HLC64.0	29	7	42	36	DS63		M6-M5				
HLC65.0	30	7	42	36	DS63		M6-M5				
HLC66.0	31	8	42	36	DS63		M6-M5	880 090608-H-P	M4.0X10	T15	
HLC67.0	32	8	42	36	DS63		M6-M5				
HLC68.0	33	9	42	36	DS63		M6-M6				
HLC69.0	34	9	42	36	DS63		M6-M6				
HLC70.0	35	9	42	36	DS63		M6-M6				

HLC 连接杆

HLC connecting rod





3xD · 公制 Metric system

型号 Cat.No	尺寸（mm） Dimension						重量 Kg
	D	L1	L2	LS	螺丝 Screw	扳手 Wrench	
DS28*3D-C32	32	128	71	58			
DS32*3D-C32	32	146	85	58			
DS36*3D-C32	32	166	97	58			
DS40*3D-C50	50	183	107	68			
DS45*3D-C50	50	206	122	68			
DS50*3D-C50	50	228	135	68			
DS56*3D-C50	50	259	156	68			
DS63*3D-C50	50	289	174	68			

5xD · 公制 Metric system

型号 Cat.No	尺寸（mm） Dimension						重量 Kg
	D	L1	L2	LS	螺丝 Screw	扳手 Wrench	
DS28*5D-C32	32	190	133	58			
DS32*5D-C32	32	216	155	58			
DS36*5D-C32	32	244	175	58			
DS40*5D-C50	50	271	195	68			
DS45*5D-C50	50	304	220	68			
DS50*5D-C50	50	338	245	68			
DS56*5D-C50	50	383	280	68			
DS63*5D-C50	50	429	314	68			

8xD · 公制 Metric system

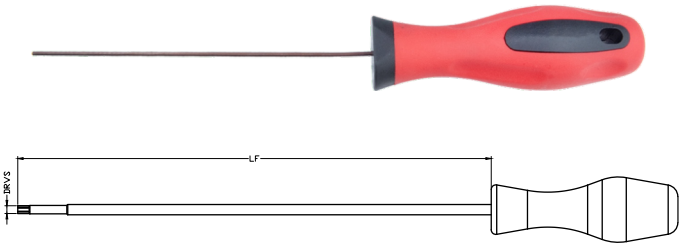
型号 Cat.No	尺寸（mm） Dimension						重量 Kg
	D	L1	L2	LS	螺丝 Screw	扳手 Wrench	
DS28*8D-C32	32	283	226	58			
DS32*8D-C32	32	321	260	58			
DS36*8D-C32	32	361	292	58			
DS40*8D-C50	50	403	327	68			
DS45*8D-C50	50	451	367	68			
DS50*8D-C50	50	503	410	68			
DS56*8D-C50	50	569	466	68			
DS63*8D-C50	50	639	524	68			

10xD · 公制 Metric system

型号 Cat.No	尺寸（mm） Dimension						重量 Kg
	D	L1	L2	LS	螺丝 Screw	扳手 Wrench	
DS28*10D-C32		345	288	58			
DS32*10D-C32		391	330	58			
DS36*10D-C32		439	370	58			
DS40*10D-C50		491	415	68			
DS45*10D-C50		549	465	68			
DS50*10D-C50		613	520	68			
DS56*10D-C50		693	590	68			
DS63*10D-C50		779	664	68			

HLD 备用扳手

HLD Spare wrench

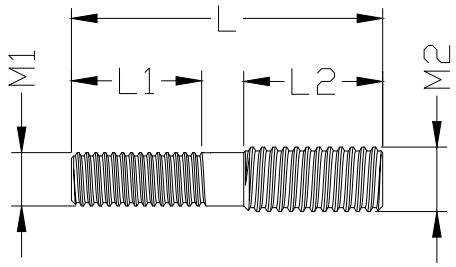


DRVS	L	in	重量 Kg
1.5mm	150L	7	
1.5mm	200L	9	
1.5mm	250L	12	
1.5mm	300L	14	
2mm	150L	8	
2mm	200L	10	
2mm	250L	14	
2mm	300/350/400L	16	
2.5mm	150L	9	
2.5mm	200L	12	
2.5mm	250L	15	
2.5mm	300/350/400/450L	18	
3mm	150/200L	10	
3mm	250/300L	13	
3mm	350/400L	17	
3mm	450/500/550/600L	20	
T5		6	
T5		7	
T5		11	
T6		6	
T6		7	
T6		11	

HLD 双头牙专用螺丝

HLD double-ended threaded screws





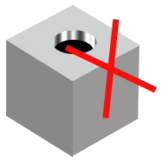
钻头直径 Matching tips dia	接口 Screw thread interface	M2	M1	L2	L1	L	螺丝 Screw	扳手 Wrench	重量 Kg
12.5~13.5	C	m2.5	m3	7.5	7.5	16	CR2530	T6	
13.6~14.5	B	m2.5	m3	7.5	7.5	16	CR2530	T6	
14.6~15.8	A	m2.5	m3	7.5	7.5	16	CR2530	T6	
15.9~18.0	1	m2.5	m3.5	7.5	7.5	16	CR2535	1.5	
18.1~19.9	2	m3	m4	8.5	8.5	19	CR3040	2	
20.0~22.0	3	m3	m4	8.5	8.5	19	CR3040	2	
22.1~24.0	4	m3	m4	8.5	8.5	19	CR3040	2	
24.1~26.0	5	m4	m5	10	10	23	CR4050	2.5	
26.1~28.0	6	m4	m5	10	10	23	CR4050	2.5	
28.1~30.0	7	m5	m6	13	13	28	CR5060	3	
30.1~32.0	8	m6	m6	13	13	28	CR5060	3	
32.5~36.0	9	m6	m6	15	15	32	CR6060	3	
36.5~40.0	10	m6	m6	15	15	32	CR6060	3	

HLC Crown Drill Application Notes

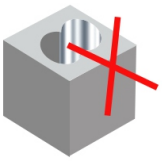
HLC皇冠钻应用注意事项



半圆柱孔
semi-cylindrical hole



型芯孔
Core Hole



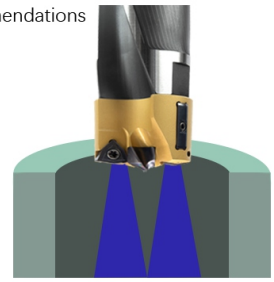
在中心轴上进行扩孔
Reaming on the centre shaft

Coolant Application Recommendations

冷却剂应用建议

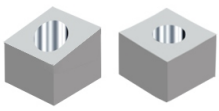
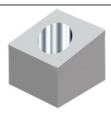
推荐使用内冷冷却方式可以获得最优化的切屑排出性能，以及最长的刀具寿命。

Internal cooling is recommended for optimum chip evacuation and maximum tool life.



Application and guide hole machining

应用与导孔加工

应用		L/D<6×D	L/D<8×D	L/D>8×D
	规则进刀与退刀 Rule feed and retract	无需导孔 No guide holes required	降低进给量50% Reduced feed by 50%	HLC导孔钻孔 HLC guide hole drilling
	斜孔倾角＜3° Inclination angle of inclined hole < 3°	HLC导孔钻孔 HLC guide hole drilling	HLC导孔钻孔 HLC guide hole drilling	HLC导孔钻孔 HLC guide hole drilling
	钻斜孔与沉头窝＞3° Drill inclined holes with countersinks > 3°.	端铣与钻HLC导孔 End milling and drilling of HLC guide holes	端铣与钻HLC导孔 End milling and drilling of HLC guide holes	立铣与钻HLC导孔 Vertical milling and drilling of HLC guide holes
	退刀角 Angle of withdrawal	规则进刀与退刀 Rule feed and retract	降低进给量75% Reduced feed by 75%	不推荐 not recommended
	双金属材料 bimetallic material	双金属材料需要用户自己解决适于S2S刀片的刀头 Bimetallic materials need to be solved by the user for heads suitable for S2S inserts.		

HLC Centering blades must not be resharpened

HLC 定心刀片不得再修磨



只有在使用新 HLD刀片时，HLD模块化钻系统才具有良好的加工一致性和安全性。

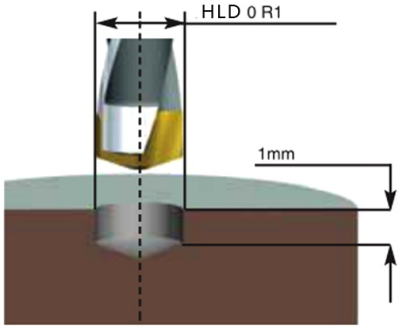
The HLD modular drilling system offers good machining consistency and safety only when new HLD inserts are used.

*经过修磨的HLD刀片可以用于HLD钻

*Reconditioned HLD inserts can be used for HLD drilling.

HLD Centering Drill Processing Instructions

HLD 定心钻加工说明



1. HLC定心钻直径与 HLC 直径PDD相同

1. HLC centring drill diameter is the same as HLC diameter PDD.

2. 以大直径 进行1毫米深度的钻孔

2. Drilling of 1 mm depth holes with large diameters

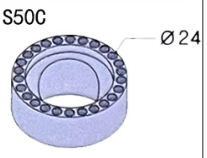
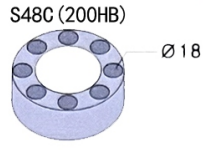
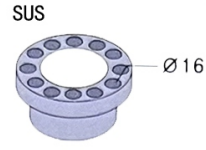
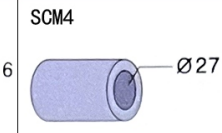
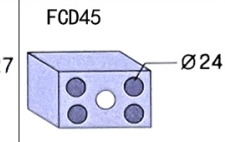
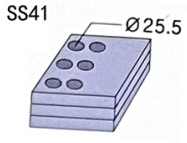
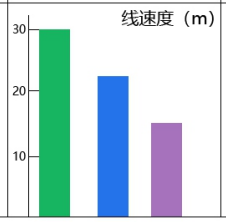
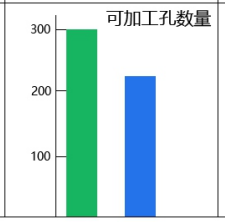
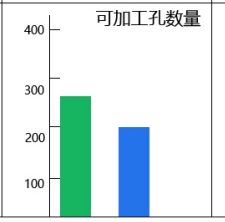
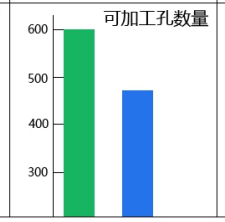
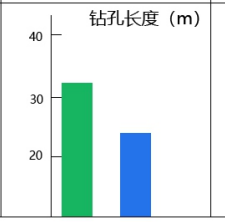
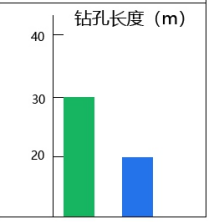
HLD Crown Drill Cutting Data Reference Table

HLD皇冠钻切削数据参考表

材料	钻孔直径	5-15mm			16-25mm			26-30mm			31-35mm		
	条件	Vc线速度	F 转进给	R.P.M	Vc线速度	F 转进给	R.P.M	Vc线速度	F 转进给	R.P.M	Vc线速度	F 转进给	R.P.M
球墨铸铁（FCD）	K	50-80	0.15-0.25	1698	60-100	0.25-0.45	1273	60-100	0.32-0.55	1061	60-110	0.35-0.60	1000
灰铸铁（FC）	K	50-90	0.2-0.35	1910	70-110	0.25-0.45	1401	70-110	0.35-0.55	1167	70-120	0.35-0.60	1091
碳钢（S45C）	P	60-80	0.15-0.4	1698	70-110	0.2-0.40	1401	70-120	0.20-0.40	1508	70-120	0.25-0.45	1091
合金钢（SCM440）	P	60-90	0.15-0.4	1910	70-110	0.2-0.40	1401	70-110	0.20-0.40	1401	70-115	0.25-0.50	1046
硬质钢（SKD）	P	50-60	0.1-0.25	1273	60-80	0.15-0.30	1019	60-80	0.15-0.35	849	60-90	0.20-0.40	818
不锈钢（SUS）	M	30-50	0.1-0.25	1061	30-70	0.10-0.25	891	30-75	0.15-0.30	796	40-60	0.17-0.30	545
铝材（AL）	N	80-110	0.2-0.35	2335	80-120	0.25-0.45	1528	80-120	0.3-0.50	1273	90-110	0.30-0.50	1137

线速度 $V=\frac{\pi DN}{1000}$　　转进给 $f=\frac{F}{N}$ （mm/rev）

V=线速度（m/min）　　f=转进给（mm/rev）
D=孔直径（mm）　　F=进给（mm/min）
N=每分钟转数（rpm）　　N=每分钟转数（rpm）

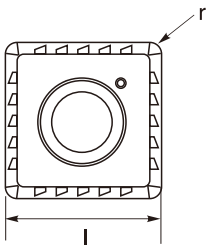
型号	HLD222-240-25A-5D-4	HLD159-180-20A-5D-1	HLD159-180-20A-5D-1	HLD262-280-32A-7D-6	HLD222-240-25A-7D-4	HLD245-260-32A-7D-5
钻尖	24	18	16	27	24	25.5
工件材料	S50C 	S48C (200HB) 	SUS 	SCM4 	FCD45 	SS41 
线速度 (m/min)	98	90	60	60	90	80
进给 (m/rev)	0.2	0.16	0.1	0.13	0.25	0.18
转进给 (mm/rev)	260	256	120		300	180
主轴转速 (rpm)	1300	1600	1200	707	1200	1000
机器	CNC加工中心	CNC加工中心	CNC加工中心	NC数控车床	CNC加工中心	数控镗孔中心
结果						

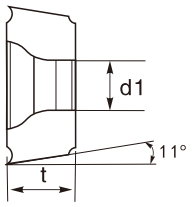
TE系列

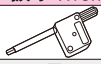
TE series indexable drill

SPMT 外刃刀片 Outer edge insert



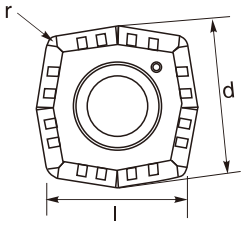


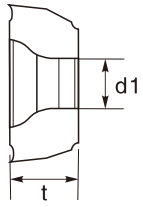


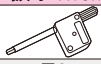
型 号 Cat.No	尺寸（mm） Dimension				配件 Accessories	
					螺丝 Screw	扳手 Wrench
	l	t	r	d_1		
SPMT040204 PD	4.7	2.4	0.4	2.3	M2.0x5	T6
SPMT050204 PD	5.1	2.4	0.4	2.3	M2.0x5	T6
SPMT060205 PD	6.2	2.5	0.5	2.5	M2.5x5	T6
SPMT07T208 PD	7.5	2.8	0.7	2.8	M2.5x5	T8
SPMT090308 PD	9.2	3.3	0.8	3.4	M3.0x7	T8
SPMT11T308 PD	11.0	4.0	0.8	4.0	M3.5x8	T15
SPMT130410 PD	13.0	4.5	1.0	4.5	M4.0x10	T15
SPMT15M510 PD	15.2	5.0	1.0	5.5	M5.0x12	T20
SPMT180510 PD	18.2	5.5	1.0	6.0	M5.0x12	T20

XOMT 内刃刀片 Inner edge insert







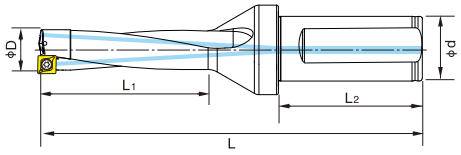
型 号 Cat.No	尺寸（mm） Dimension				配件 Accessories	
					螺丝 Screw	扳手 Wrench
	l	t	r	d_1		
XOMT040204 PD	4.3	4.9	2.4	2.3	M2.0x5	T6
XOMT050204 PD	4.8	5.4	2.4	2.3	M2.0x5	T6
XOMT060204 PD	5.8	6.6	2.5	2.5	M2.5x5	T6
XOMT07T205 PD	6.9	7.8	2.8	2.8	M2.5x5	T8
XOMT090305 PD	8.4	9.6	3.3	3.4	M3.0x7	T8
XOMT11T306PD	10.0	11.4	4.0	4.0	M3.5x8	T15
XOMT130406 PD	11.9	13.6	4.5	4.5	M4.0x10	T15
XOMT15M508 PD	13.9	15.9	5.0	5.5	M5.0x12	T20
XOMT180508 PD	16.5	18.9	5.5	6.0	M5.0x12	T20

TE系列 快速钻头

TE series indexable drill

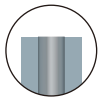
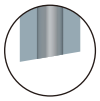
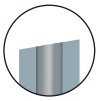
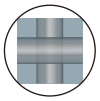
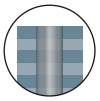
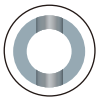
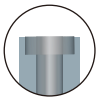
公差：0~±0.15mm
Tolerance





Dx2

型 号 Cat.No	尺寸（mm） Dimension					内刃刀片Inner insert	外刃刀片Outer insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	d					
TE13-2D-C20	13.0	99	29	50	20	XOMT040204 PD	SPMT040204 PD	M2.0X4	T6	0.2
TE13.5-2D-C20	13.5	100	30							0.2
TE14-2D-C20	14.0	101	31			XOMT050204 PD	SPMT050204 PD			0.22
TE14.5-2D-C20	14.5	102	32							0.22
TE15-2D-C20	15.0	103	33							0.24
TE15.5-2D-C20	15.5	104	34							0.24
TE16-2D-C20	16.0	105	35							0.26
TE16.5-2D-C25	16.5	117	36	56	25	XOMT060204 PD	SPMT060205 PD	M2.2X5		0.26
TE17-2D-C25	17.0	118	37							0.34
TE17.5-2D-C25	17.5	119	38							0.34
TE18-2D-C25	18.0	120	39							0.36
TE18.5-2D-C25	18.5	121	40							0.36
TE19-2D-C25	19.0	122	41							0.36
TE19.5-2D-C25	19.5	123	42							0.36
TE20-2D-C25	20.0	124	43							0.38
TE20.5-2D-C25	20.5	125	44							0.38
TE21-2D-C25	21.0	126	45			XOMT07T205 PD	SPMT07T208 PD	M2.5X5	T10	0.38
TE21.5-2D-C25	21.5	127	46							0.38
TE22-2D-C25	22.0	128	47							0.4
TE22.5-2D-C25	22.5	129	48							0.4
TE23-2D-C25	23.0	130	49							0.4
TE23.5-2D-C25	23.5	131	50							0.4
TE24-2D-C25	24.0	141	51	60	32	XOMT090305 PD	SPMT090308 PD	M3.0X7		0.68
TE24.5-2D-C25	24.5	142	52							0.68
TE25-2D-C32	25.0	143	53							0.68
TE25.5-2D-C32	25.5	144	54							0.68
TE26-2D-C32	26.0	145	55							0.68
TE26.5-2D-C32	26.5	146	56							068
TE27-2D-C32	27.0	147	57							0.7
TE27.5-2D-C32	27.5	148	58							0.7
TE28-2D-C32	28.0	149	59							0.72
TE28.5-2D-C32	28.5	150	60							0.72
TE29-2D-C32	29.0	151	61							0.74
TE29.5-2D-C32	29.5	152	62							0.74
TE30-2D-C32	30.0	155	65							0.74
TE31-2D-C32	31.0	157	67							0.78
TE32-2D-C32	32.0	159	69			XOMT11T306 PD	SPMT11T308 PD	M3.5X8	T15	0.78
TE33-2D-C32	33.0	161	71							0.84
TE34-2D-C32	34.0	163	73							0.84
TE35-2D-C32	35.0	165	75							0.84
TE36-2D-C40	36.0	182	77	70	40	XOMT130406 PD	SPMT130410 PD	M4.0X10		0.84
TE37-2D-C40	37.0	184	79							0.9
TE38-2D-C40	38.0	186	81							0.92
TE39-2D-C40	39.0	188	83							0.94
TE40-2D-C40	40.0	190	85							0.98
TE41-2D-C40	41.0	192	87							1.04
TE42-2D-C40	42.0	194	89							1.48
TE43-2D-C40	43.0	196	91			XOMT15M508 PD	SPMT15M510 PD	M5.0X12	T20	1.5
TE44-2D-C40	44.0	198	93							1.58
TE45-2D-C40	45.0	200	95							1.64
TE46-2D-C40	46.0	202	97							1.68
TE47-2D-C40	47.0	204	99							1.70
TE48-2D-C40	48.0	206	101							1.76
TE49-2D-C40	49.0	208	103							1.84
TE50-2D-C40	50.0	210	105							1.86
TE51-2D-C40	51.0	212	107							1.92
TE52-2D-C40	52.0	214	109			XOMT180508 PD	SPMT180510 PD			2
TE53-2D-C40	53.0	216	111							2.1
TE54-2D-C40	54.0	218	113							2.4
TE55-2D-C40	55.0	220	115							2.2
TE56-2D-C40	56.0	222	117							2.3
TE57-2D-C40	57.0	224	119							2.4
TE58-2D-C40	58.0	226	121							2.5
TE59-2D-C40	59.0	228	123							2.6
TE60-2D-C40	60.0	230	125							2.9

适合加工孔 Suitable for machining holes	实体孔 Solid pore	底部斜面孔 Bottom inclined face	顶部斜面孔 Top slant face	倒角孔 Chamfering hole	交叉孔 Cross hole	多层孔 Multilayer hole	凸面孔 Convex surface hole	扩孔 Expand hole
								

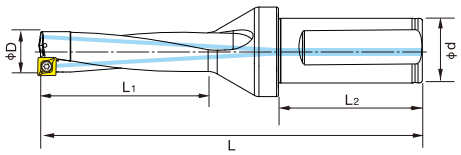
TE系列 快速钻头

TE series indexable drill

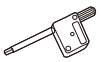
公差：0~±0.15mm

Tolerance





Dx3

型 号 Cat.No	尺寸（mm） Dimension					内刃刀片Inner insert	外刃刀片Outer insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	d					
TE13-3D-C20	13.0	112	42	50	20	XOMT040204 PD	SPMT040204 PD	M2.0X4	T6	0.22
TE13.5-3D-C20	13.5	114	44							0.22
TE14-3D-C20	14.0	115	45							0.22
TE14.5-3D-C20	14.5	117	47			XOMT050204 PD	SPMT050204 PD			0.22
TE15-3D-C20	15.0	118	48							0.26
TE15.5-3D-C20	15.5	120	50							0.26
TE16-3D-C20	16.0	121	51							0.26
TE16.5-3D-C25	16.5	134	53	56	25	XOMT060204 PD	SPMT060205 PD	M2.2X5		0.34
TE17-3D-C25	17.0	135	54							0.34
TE17.5-3D-C25	17.5	137	56							0.36
TE18-3D-C25	18.0	138	57							0.36
TE18.5-3D-C25	18.5	140	59							0.36
TE19-3D-C25	19.0	141	60							0.38
TE19.5-3D-C25	19.5	143	62							0.38
TE20-3D-C25	20.0	144	63			XOMT07T205 PD	SPMT07T208 PD	M2.5X5	T8	0.38
TE20.5-3D-C25	20.5	146	65							0.38
TE21-3D-C25	21.0	147	66							0.4
TE21.5-3D-C25	21.5	149	68							0.4
TE22-3D-C25	22.0	150	69							0.42
TE22.5-3D-C25	22.5	152	71							0.42
TE23-3D-C25	23.0	153	72							0.44
TE23.5-3D-C25	23.5	155	74							0.44
TE24-3D-C25	24.0	165	75	60	32	XOMT090305 PD	SPMT090308 PD	M3.0X7		0.7
TE24.5-3D-C25	24.5	167	77							0.7
TE25-3D-C32	25.0	168	78							0.72
TE25.5-3D-C32	25.5	170	80							0.72
TE26-3D-C32	26.0	171	81							0.72
TE26.5-3D-C32	26.5	173	83							0.72
TE27-3D-C32	27.0	174	84							0.76
TE27.5-3D-C32	27.5	176	86							0.76
TE28-3D-C32	28.0	177	87							0.8
TE28.5-3D-C32	28.5	179	89							0.8
TE29-3D-C32	29.0	180	90							0.82
TE29.5-3D-C32	29.5	182	92							0.82
TE30-3D-C32	30.0	185	95			XOMT11T306 PD	SPMT11T308 PD	M3.5X8	T15	0.84
TE31-3D-C32	31.0	188	98							0.84
TE32-3D-C32	32.0	191	101							0.92
TE33-3D-C32	33.0	194	104							0.94
TE34-3D-C32	34.0	197	107							0.98
TE35-3D-C32	35.0	200	110							1.02
TE36-3D-C40	36.0	218	113	70	40	XOMT130406 PD	SPMT130410 PD	M4.0X10		1.4
TE37-3D-C40	37.0	221	116							1.46
TE38-3D-C40	38.0	224	119							1.46
TE39-3D-C40	39.0	227	122							1.5
TE40-3D-C40	40.0	230	125							1.56
TE41-3D-C40	41.0	233	128							1.56
TE42-3D-C40	42.0	236	131							1.72
TE43-3D-C40	43.0	239	134			XOMT15M508 PD	SPMT15M510 PD	M5.0X12	T20	1.74
TE44-3D-C40	44.0	242	137							1.85
TE45-3D-C40	45.0	245	140							1.92
TE46-3D-C40	46.0	248	143							2
TE47-3D-C40	47.0	251	146							2.1
TE48-3D-C40	48.0	254	149							2.2
TE49-3D-C40	49.0	257	152							2.3
TE50-3D-C40	50.0	260	155							2.4
TE51-3D-C40	51.0	263	158			XOMT180508 PD	SPMT180510 PD			2.45
TE52-3D-C40	52.0	266	161							2.5
TE53-3D-C40	53.0	269	164							2.6
TE54-3D-C40	54.0	272	167							2.7
TE55-3D-C40	55.0	275	170							2.8
TE56-3D-C40	56.0	278	173							2.9
TE57-3D-C40	57.0	281	176							3.1
TE58-3D-C40	58.0	284	179							3.2
TE59-3D-C40	59.0	287	182							3.25
TE60-3D-C40	60.0	290	185							3.4

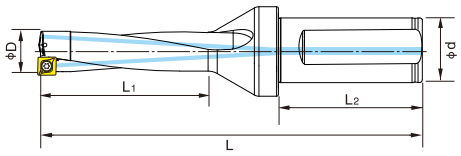
TE系列 快速钻头

TE series indexable drill

公差：0~±0.15mm

Tolerance





Dx4

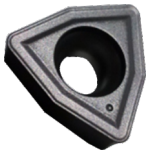
型 号 Cat.No	尺寸（mm） Dimension					内刃刀片Inner insert	外刃刀片Outer insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	d					
TE13-4D-C20	13.0	125	55	50	20	XOMT040204 PD	SPMT040204 PD	M2.0X4	T6	0.22
TE13.5-4D-C20	13.5	127	57							0.22
TE14-4D-C20	14.0	129	59							0.24
TE14.5-4D-C20	14.5	131	61			XOMT050204 PD	SPMT050204 PD			0.24
TE15-4D-C20	15.0	133	63							0.26
TE15.5-4D-C20	15.5	135	65							0.28
TE16-4D-C20	16.0	137	67							0.36
TE16.5-4D-C25	16.5	150	69	56	25	XOMT060204 PD	SPMT060205 PD	M2.2X5		0.36
TE17-4D-C25	17.0	152	71							0.36
TE17.5-4D-C25	17.5	154	73							0.36
TE18-4D-C25	18.0	156	75							0.38
TE18.5-4D-C25	18.5	158	77							0.38
TE19-4D-C25	19.0	160	79							0.4
TE19.5-4D-C25	19.5	162	81							0.4
TE20-4D-C25	20.0	164	83			XOMT07T205 PD	SPMT07T208 PD	M2.5X5	T8	0.42
TE20.5-4D-C25	20.5	166	85							0.42
TE21-4D-C25	21.0	168	87							0.42
TE21.5-4D-C25	21.5	170	89							0.44
TE22-4D-C25	22.0	172	91							0.46
TE22.5-4D-C25	22.5	174	93							0.48
TE23-4D-C25	23.0	176	95							0.48
TE23.5-4D-C25	23.5	178	97							0.48
TE24-4D-C25	24.0	189	99	60	32	XOMT090305 PD	SPMT090308 PD	M3.0X7		0.74
TE24.5-4D-C25	24.5	191	101							0.76
TE25-4D-C32	25.0	193	103							0.76
TE25.5-4D-C32	25.5	195	105							0.78
TE26-4D-C32	26.0	197	107							0.8
TE26.5-4D-C32	26.5	199	109							0.8
TE27-4D-C32	27.0	201	111							0.84
TE27.5-4D-C32	27.5	203	113							0.84
TE28-4D-C32	28.0	205	115							0.85
TE28.5-4D-C32	28.5	207	117							0.86
TE29-4D-C32	29.0	209	119							0.88
TE29.5-4D-C32	29.5	211	121							0.9
TE30-4D-C32	30.0	215	125			XOMT11T306 PD	SPMT11T308 PD	M3.5X8	T15	1.04
TE31-4D-C32	31.0	219	129							1.04
TE32-4D-C32	32.0	223	133							1.04
TE33-4D-C32	33.0	227	137							1.04
TE34-4D-C32	34.0	231	141							1.2
TE35-4D-C32	35.0	235	145							1.2
TE36-4D-C40	36.0	254	149	70	40	XOMT130406 PD	SPMT130410 PD	M4.0X10		1.2
TE37-4D-C40	37.0	258	153							1.3
TE38-4D-C40	38.0	262	157							1.7
TE39-4D-C40	39.0	266	161							1.7
TE40-4D-C40	40.0	270	165							1.8
TE41-4D-C40	41.0	274	169							1.85
TE42-4D-C40	42.0	278	173							1.95
TE43-4D-C40	43.0	282	177			XOMT15M508 PD	SPMT15M510 PD	M5.0X12	T20	2.1
TE44-4D-C40	44.0	286	181							2.2
TE45-4D-C40	45.0	290	185							2.3
TE46-4D-C40	46.0	294	189							2.4
TE47-4D-C40	47.0	298	193							2.5
TE48-4D-C40	48.0	302	197							2.56
TE49-4D-C40	49.0	306	201							2.65
TE50-4D-C40	50.0	310	205							2.75
TE51-4D-C40	51.0	314	209			XOMT180508 PD	SPMT180510 PD			2.9
TE52-4D-C40	52.0	318	213							3.0
TE53-4D-C40	53.0	322	217							3.1
TE54-4D-C40	54.0	326	221							3.25
TE55-4D-C40	55.0	330	225							3.4
TE56-4D-C40	56.0	334	229							3.5
TE57-4D-C40	57.0	338	233							3.65
TE58-4D-C40	58.0	342	237							4.0
TE59-4D-C40	59.0	346	241							4.1
TE60-4D-C40	60.0	350	245							4.2

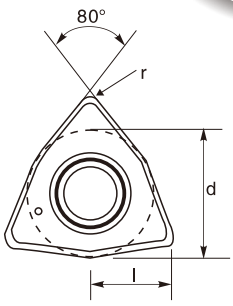
W形刀片

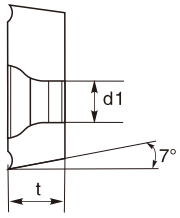
WC series indexable drill

WCMT









型 号 Cat.No	尺寸（mm） Dimension					配 件 Accessories	
						螺丝 Screw	扳手 Wrench
	l	d	t	r	d1		
WCMT020104–B				0.4			
WCMT030208 PA	3.8	5.56	2.38	0.8	2.5	M2.5x5	T8
WCMT040208 PA	4.3	6.35	2.38	0.8	2.8	M2.5x6	T8
WCMT050308 PA	5.4	7.94	3.18	0.8	3.4	M3.0x7	T10
WCMT06T308 PA	6.5	9.525	3.97	0.8	4.4	M3.5x8	T15
WCMT080412 PA	8.7	12.7	4.76	1.2	5.5	M4.0x10	T15





WC小钻头10.5开始

型 号 Cat.No	直 径 Diameter	有效长（mm） Effective length									配 件 Accessories		
		2倍长	重量Kg	3倍长	重量Kg	4倍长	重量Kg	5倍长	重量Kg	柄径	刀片 Insert	螺丝 Screw	扳手 Wrench
WC10.5-C20-WC02	10.5~11.9	21	0.18	31.5	0.2	42	0.2	52.5	0.2	20	WCMT020104CR	M1.8	T6
WC11.0-C20-WC02	11.0~11 .4	22	0.18	33	0.2	44	0.2	55	0.2	20			
WC11.5-C20-WC02	11.5~11.9	23	0.18	34.5	0.2	46	0.2	57.5	0.2	20			
WC12.0-C20-WC02	12.0~12.4	24	0.18	36	0.2	48	0.2	60	0.2	20			
WC12.5-C20-WC02	12.5~12.9	25	0.2	37.5	0.2	50	0.2	62.5	0.2	20			
WC13.0-C20-WC02	13.0~13.4	26	0.2	39	0.2	52	0.22	65	0.22	20	WCMT020104CR	M1.8	T6
WC13.5-C20-WC02	13.5~13.9	27	0.2	40.5	0.2	54	0.22	67.5	0.22	20			

WCMT020104CR-KL2150

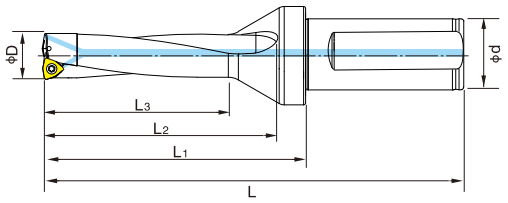
W形刀片 快速钻头

WC series indexable drill

公差：0~ ± 0.15mm

Tolerance





Dx2

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 14-2D-C25	14	106	50	45	28	25	WCMX 03 02 08	M2.5X5	T8	0.3
WC 14.5-2D-C25	14.5									0.3
WC 15-2D-C25	15	108	52	46.5	30					0.32
WC 15.5-2D-C25	15.5									0.32
WC 16-2D-C25	16	111	55	49.5	32					0.34
WC 16.5-2D-C25	16.5									0.34
WC 17-2D-C25	17	113	57	51.5	34					0.34
WC 17.5-2D-C25	17.5									0.34
WC 18-2D-C25	18	115	59	53.5	36					0.34
WC 18.5-2D-C25	18.5									0.34
WC 19-2D-C25	19	116	60	54.5	38					0.36
WC 19.5-2D-C25	19.5									0.36
WC 20-2D-C25	20	119	63	57.5	40	25	WCMX 04 02 08	M2.5X6	T8	0.36
WC 20.5-2D-C25	20.5									0.36
WC 21-2D-C25	21	121	65	59.5	42					0.38
WC 21.5-2D-C25	21.5									0.38
WC 22-2D-C25	22	120	64	58.5	44					0.38
WC 22.5-2D-C25	22.5									0.38
WC 23-2D-C25	23	125	69	63.5	46					0.4
WC 23.5-2D-C25	23.5									0.4
WC 24-2D-C25	24	127	71	65.5	48	25	WCMT 05 03 08	M3.0X8	T10	0.4
WC 24.5-2D-C25	24.5									0.4
WC 25-2D-C32	25	135	75	69	50	32				0.66
WC 25.5-2D-C32	25.5									0.66
WC 26-2D-C32	26	139	79	73	52					0.7
WC 27-2D-C32	27	141	81	75	54					0.7
WC 28-2D-C32	28	141	81	75	56					0.72
WC 29-2D-C32	29	143	83	77	58					0.74
WC 30-2D-C32	30	145	85	79	60					0.74
WC 31-2D-C32	31	145	85	79	62	32	WCMT 06 T3 08	M3.5X10	T15	0.76
WC 32-2D-C32	32	147	87	81	64					0.76
WC 33-2D-C32	33	149	89	83	66					0.78
WC 34-2D-C32	34	151	91	85	68					0.86
WC 35-2D-C32	35	153	93	87	70					0.86
WC 36-2D-C32	36	155	95	89	72					0.88
WC 37-2D-C32	37	159	99	93	74					0.90
WC 38-2D-C32	38	161	101	95	76					0.92
WC 39-2D-C32	39	161	101	95	78					0.98
WC 40-2D-C32	40	163	103	97	80					0.98
WC 41-2D-C32	41	165	105	99	82					1.02
WC 42-2D-C40	42	182	112	106	84	40	WCMT 08 04 12	M4.0X10	T15	1.48
WC 43-2D-C40	43	184	114	108	86					1.50
WC 44-2D-C40	44	186	116	110	88					1.58
WC 45-2D-C40	45	188	118	112	90					1.64
WC 46-2D-C40	46	190	120	114	92					1.68
WC 47-2D-C40	47	192	122	116	94					1.70
WC 48-2D-C40	48	194	124	118	96					1.76
WC 49-2D-C40	49	196	126	120	98					1.84
WC 50-2D-C40	50	198	128	122	100					1.86
WC 51-2D-C40	51	200	130	124	102					1.92
WC 52-2D-C40	52	202	132	126	104					2.0
WC 53-2D-C40	53	204	134	128	106					2.1
WC 54-2D-C40	54	206	136	130	108					2.14
WC 55-2D-C40	55	208	138	132	110					2.20
WC 56-2D-C40	56	210	140	134	112					2.28
WC 57-2D-C40	57	212	142	136	114					2.38
WC 58-2D-C40	58	214	144	138	116					2.50
WC 59-2D-C40	59	216	146	140	118					2.54
WC 60-2D-C40	60	220	150	144	120					2.58

W形刀片 快速钻头

WC series indexable drill

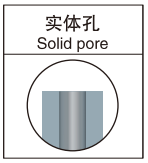
公差：0~±0.15mm

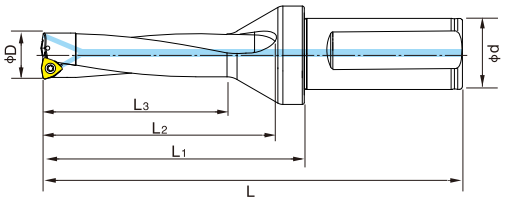
Tolerance



适合加工孔

Suitable for machining holes





Dx3

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC14-3D-C25	14	121	65	59.5	42	25	WCMX 03 02 08	M2.5X5	T8	0.32
WC14.5-3D-C25	14.5				43.5					0.32
WC15-3D-C25	15	123	67	61.5	45					0.34
WC15.5-3D-C25	15.5				46.5					0.34
WC16-3D-C25	16	127	71	65.5	48					0.34
WC16.5-3D-C25	16.5				49.5					0.34
WC17-3D-C25	17	130	74	68.5	51					0.36
WC17.5-3D-C25	17.5				52.5					0.36
WC18-3D-C25	18	133	77	71.5	54					0.36
WC18.5-3D-C25	18.5				55.5					0.36
WC19-3D-C25	19	135	79	73.5	57					0.36
WC19.5-3D-C25	19.5				58.5					0.38
WC20-3D-C25	20	139	83	77.5	60	25	WCMX 04 02 08	M2.5X6	T8	0.38
WC20.5-3D-C25	20.5				61.5					0.4
WC21-3D-C25	21	142	86	80.5	63					0.4
WC21.5-3D-C25	21.5				64.5					0.4
WC22-3D-C25	22	142	86	80.5	66					0.4
WC22.5-3D-C25	22.5				67.5					0.42
WC23-3D-C25	23	148	92	86.5	69					0.42
WC23.5-3D-C25	23.5				70.5					0.42
WC24-3D-C25	24	151	95	89.5	72	25	WCMT 05 03 08	M3.0X8	T10	0.42
WC24.5-3D-C25	24.5				73.5					0.44
WC25-3D-C25	25	160	100	94	75	32				0.44
WC25.5-3D-C25	25.5				76.5					0.7
WC26-3D-C32	26	165	105	99	78					0.7
WC26.5-3D-C32	26.5				79.5					0.74
WC27-3D-C32	27	168	108	102	81					0.74
WC27.5-3D-C32	27.5				82.5					0.76
WC28-3D-C32	28	169	109	103	84					0.76
WC28.5-3D-C32	28.5				85.5					0.78
WC29-3D-C32	29	172	112	106	87					0.78
WC29.5-3D-C32	29.5				88.5					0.82
WC30-3D-C32	30	175	115	109	90					0.82
WC30.5-3D-C32	30.5				91.5					0.82
WC31-3D-C32	31	176	116	110	93	32	WCMT 06 T3 08	M3.5X10	T15	0.84
WC31.5-3D-C32	31.5				94.5					0.84
WC32-3D-C32	32	179	119	113	96					0.86
WC32.5-3D-C32	32.5				97.5					0.86

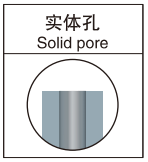
W形刀片 快速钻头

WC series indexable drill

公差：0~±0.15mm

Tolerance

适合加工孔
Suitable for machining holes



Dx3

FROM 接上页

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC33-3D-C32	33	182	122	116	99	32	WCMT 06 T3 08	M3.5X10	T15	0.9
WC33.5-3D-C32	33.5	182	122	116	100.5					0.92
WC34-3D-C32	34	185	125	119	102					0.94
WC34.5-3D-C32	34.5	185	125	119	103.5					0.96
WC35-3D-C32	35	188	128	122	105					0.98
WC35.5-3D-C32	35.5	188	128	122	106.5					0.98
WC36-3D-C32	36	191	131	125	108					1.0
WC36.5-3D-C32	36.5	191	131	125	109.5					1.04
WC37-3D-C32	37	196	136	130	111					1.08
WC37.5-3D-C32	37.5	196	136	130	112.5					1.10
WC38-3D-C32	38	199	139	133	114					1.12
WC38.5-3D-C32	38.5	199	139	133	115.5					1.14
WC39-3D-C32	39	200	140	134	117					1.16
WC39.5-3D-C32	39.5	200	140	134	118.5					1.18
WC40-3D-C32	40	203	143	137	120					1.22
WC41-3D-C40	41	206	146	140	123					1.28
WC42-3D-C40	42	224	154	148	126	40	WCMT 08 04 12	M4.0X10	T15	1.72
WC43-3D-C40	43	227	157	151	129					1.74
WC44-3D-C40	44	230	160	154	132					1.84
WC45-3D-C40	45	233	163	157	135					1.90
WC46-3D-C40	46	236	166	160	138					2
WC47-3D-C40	47	239	169	163	141					2.04
WC48-3D-C40	48	242	172	166	144					2.16
WC49-3D-C40	49	245	175	169	147					2.24
WC50-3D-C40	50	248	178	172	150					2.28
WC51-3D-C40	51	251	181	175	153					2.38
WC52-3D-C40	52	254	184	178	156					2.48
WC53-3D-C40	53	257	187	181	159					2.62
WC54-3D-C40	54	260	190	184	162					2.68
WC55-3D-C40	55	263	193	187	165					2.78
WC56-3D-C40	56	266	196	190	168					2.9
WC57-3D-C40	57	269	199	193	171					3.04
WC58-3D-C40	58	272	202	196	174					3.14
WC59-3D-C40	59	275	205	199	177					3.22
WC60-3D-C40	60	280	210	204	180					3.38
WC61-3D-C40	61	283	213	207	183	40	WCMT 06 T3 08	M3.5X10	T15	3.5
WC62-3D-C40	62	286	216	210	186					3.64
WC63-3D-C40	63	289	219	213	189					3.80
WC64-3D-C40	64	292	222	216	192					3.90
WC65-3D-C40	65	295	225	219	195					4.04
WC66-3D-C40	66	298	228	222	198					4.18
WC67-3D-C40	67	301	231	225	201					4.40
WC68-3D-C40	68	304	234	228	204					4.48
WC69-3D-C40	69	307	237	231	207					4.66
WC70-3D-C40	70	310	240	234	210					4.88
WC71-3D-C40	71	323	253	218	213					
WC72-3D-C40	72	323	256	221	216					
WC73-3D-C40	73	329	259	224	219					
WC74-3D-C40	74	332	262	227	222					
WC75-3D-C40	75	335	265	230	225					
WC76-3D-C40	76	338	268	233	228					
WC77-3D-C40	77	341	271	236	231					
WC78-3D-C40	78	344	274	239	234					
WC79-3D-C40	79	347	277	242	237					
WC80-3D-C40	80	350	280	245	240					
WC81-3D-C40	81	353	283	248	243					
WC82-3D-C40	82	356	286	251	246					
WC83-3D-C40	83	359	289	254	249					
WC84-3D-C40	84	362	292	257	252	40	WCMT 08 04 12	M4.0X10	T15	
WC85-3D-C40	85	365	295	260	255					

W形刀片 快速钻头

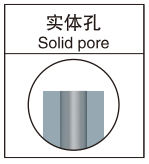
WC series indexable drill

公差：0~±0.15mm

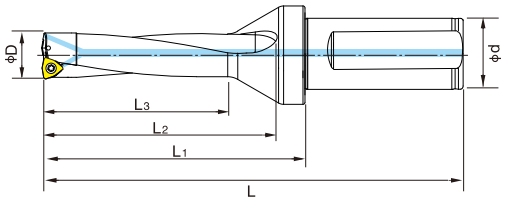
Tolerance

适合加工孔

Suitable for machining holes







Dx4

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC14-4D-C25	14	134	78	72.5	56	25	WCMT 03 02 08	M2.5X5	T8	0.30
WC14.5-4D-C25	14.5	135.5	79.5	74	58					0.30
WC15-4D-C25	15	138	82	76.5	60					0.32
WC15.5-4D-C25	15.5	138	82	76.5	62					0.32
WC16-4D-C25	16	143	87	81.5	64					0.36
WC16.5-4D-C25	16.5	143	87	81.5	66					0.36
WC17-4D-C25	17	147	91	85.5	68					0.36
WC17.5-4D-C25	17.5	147	91	85.5	70					0.36
WC18-4D-C25	18	151	95	89.5	72					0.38
WC18.5-4D-C25	18.5	151	95	89.5	74					0.38
WC19-4D-C25	19	154	98	92.5	76					0.40
WC19.5-4D-C25	19.5	154	98	92.5	78					0.40
WC20-4D-C25	20	159	103	97.5	80	25	WCMT 04 02 08	M2.5X6	T8	0.42
WC20.5-4D-C25	20.5	159	103	97.5	82					0.42
WC21-4D-C25	21	163	107	101.5	84					0.42
WC21.5-4D-C25	21.5	163	107	101.5	86					0.44
WC22-4D-C25	22	164	108	102.5	88					0.44
WC22.5-4D-C25	22.5	164	108	102.5	90					0.44
WC23-4D-C25	23	171	115	109.5	92					0.48
WC23.5-4D-C25	23.5	171	115	109.5	94					0.48
WC24-4D-C25	24	175	119	113.5	96	25	WCMT 05 03 08	M3.0X8	T10	0.52
WC24.5-4D-C25	24.5	175	119	113.5	98					0.64
WC25-4D-C32	25	185	125	119	100	32				0.74
WC25.5-4D-C32	25.5	185	125	119	102					0.80
WC26-4D-C32	26	191	131	125	104					0.80
WC26.5-4D-C32	26.5	191	131	125	106					0.80
WC27-4D-C32	27	195	135	129	108					0.84
WC27.5-4D-C32	27.5	195	135	129	110					0.84
WC28-4D-C32	28	197	137	131	112					0.84
WC28.5-4D-C32	28.5	197	137	131	114					0.86
WC29-4D-C32	29	201	141	135	116					0.88
WC29.5-4D-C32	29.5	201	141	135	118					0.88
WC30-4D-C32	30	205	145	139	120					0.94
WC30.5-4D-C32	30.5	205	145	139	122					0.94
WC31-4D-C32	31	207	147	141	124	32	WCMT 06 T3 08	M3.5X10	T15	0.96
WC31.5-4D-C32	31.5	207	147	141	126					0.98
WC32-4D-C32	32	211	151	145	128					0.98
WC32.5-4D-C32	32.5	211	151	145	130					1.02

W形刀片 快速钻头

WC series indexable drill

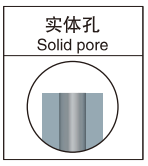
公差：0~ ± 0.15mm

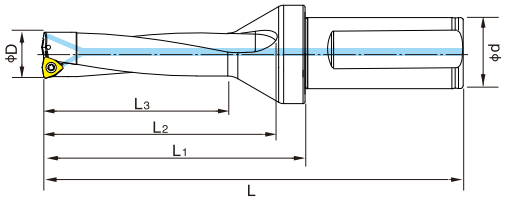
Tolerance



适合加工孔

Suitable for machining holes





Dx4

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 33-4D-C32	33	215	155	149	132	32	WCMT 06 T3 08	M3.5X10	T15	1.02
WC 33.5-4D-C32	33.5	215	155	149	134					1.04
WC 34-4D-C32	34	219	159	153	136					1.06
WC 34.5-4D-C32	34.5	219	159	153	138					1.08
WC 35-4D-C32	35	223	163	157	140					1.12
WC 35.5-4D-C32	35.5	223	163	157	142					1.14
WC 36-4D-C32	36	227	167	161	144					1.18
WC 36.5-4D-C32	36.5	227	167	161	146					1.2
WC 37-4D-C32	37	233	173	167	148					1.24
WC 37.5-4D-C32	37.5	233	173	167	150					1.26
WC 38-4D-C32	38	237	177	171	152					1.32
WC 38.5-4D-C32	38.5	237	177	171	154					1.32
WC 39-4D-C32	39	239	179	173	156					1.36
WC 39.5-4D-C32	39.5	239	179	173	158					1.38
WC 40-4D-C32	40	243	183	177	160					1.44
WC 41-4D-C32	41	247	187	181	164					1.52
WC 42-4D-C40	42	266	196	190	168	40	WCMT 08 04 12	M4.0X10	T15	1.94
WC 43-4D-C40	43	270	200	194	172					2.04
WC 44-4D-C40	44	274	204	198	176					2.10
WC 45-4D-C40	45	278	208	202	180					2.16
WC 46-4D-C40	46	282	212	206	184					2.28
WC 47-4D-C40	47	286	216	210	188					2.42
WC 48-4D-C40	48	290	220	214	192					2.50
WC 49-4D-C40	49	294	224	218	196					2.60
WC 50-4D-C40	50	298	228	222	200					2.70
WC 51-4D-C40	51	302	232	226	204					2.84
WC 52-4D-C40	52	306	236	230	208					2.96
WC 53-4D-C40	53	310	240	234	212					3.10
WC 54-4D-C40	54	314	244	238	216					3.22
WC 55-4D-C40	55	318	248	242	220					3.34
WC 56-4D-C40	56	322	252	246	224					3.42
WC 57-4D-C40	57	326	256	250	228					3.62
WC 58-4D-C40	58	330	260	254	232					3.94
WC 59-4D-C40	59	334	264	258	236					4.02
WC 60-4D-C40	60	340	270	264	240					4.18
WC 61-4D-C40	61	344	274	268	244	40	WCMT 06 T3 08	M3.5X10	T15	4.38
WC 62-4D-C40	62	348	278	272	248					4.54
WC 63-4D-C40	63	352	282	276	252					4.74
WC 64-4D-C40	64	356	286	280	256					4.86
WC 65-4D-C40	65	360	290	284	260					5.10
WC 66-4D-C40	66	364	294	288	264					5.24
WC 67-4D-C40	67	368	298	292	268					5.46
WC 68-4D-C40	68	372	302	296	272					5.70
WC 69-4D-C40	69	376	306	300	276					5.86
WC 70-4D-C40	70	380	310	304	280					6.08
WC 71-4D-C40	71	394	324	289	284					
WC 72-4D-C40	72	398	328	293	288					
WC 73-4D-C40	73	402	332	297	292					
WC 74-4D-C40	74	406	336	301	296					
WC 75-4D-C40	75	410	340	305	300					

W形刀片 快速钻头

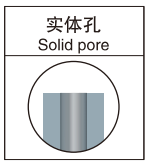
WC series indexable drill

公差：0~ ± 0.15mm

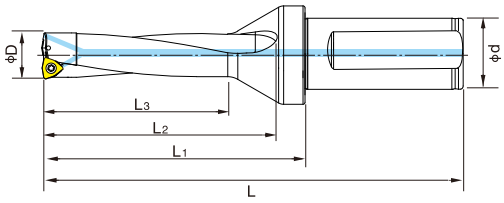
Tolerance

适合加工孔

Suitable for machining holes







Dx5

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 14-5D-C25	14	141	85	81.5	70	25	WCMT 03 02 08	M2.5X6	T8	0.32
WC 14.5-5D-C25	14.5	147	91	86.5	72.5					0.34
WC 15-5D-C25	15	153	97	91.5	75					0.36
WC 16-5D-C25	16	159	103	97.5	80					0.38
WC 17-5D-C25	17	164	108	102.5	85					0.38
WC 18-5D-C25	18	169	113	107.5	90					0.4
WC 19-5D-C25	19	173	117	111.5	95					0.42
WC 20-5D-C25	20	179	123	117.5	100	25	WCMT 04 02 08	M2.5X6	T8	0.46
WC 21-5D-C25	21	184	128	122.5	105					0.46
WC 22-5D-C25	22	186	130	124.5	110					0.5
WC 23-5D-C25	23	194	138	132.5	115					0.52
WC 24-5D-C25	24	199	143	137.5	120	32	WCMT 05 03 08	M3.0X8	T10	0.54
WC 25-5D-C32	25	210	150	144	125					0.58
WC 26-5D-C32	26	217	157	151	130					0.86
WC 27-5D-C32	27	222	162	156	135					0.9
WC 28-5D-C32	28	225	165	159	140					0.94
WC 29-5D-C32	29	230	170	164	145					0.94
WC 30-5D-C32	30	235	175	169	150					1.04
WC 31-5D-C32	31	238	178	172	155	32	WCMT 06 T3 08	M3.5X10	T15	1.08
WC 32-5D-C32	32	243	183	177	160					1.08
WC 33-5D-C32	33	248	188	182	165					1.14
WC 34-5D-C32	34	253	193	187	170					1.20
WC 35-5D-C32	35	258	198	192	175					1.28
WC 36-5D-C32	36	263	203	197	180					1.36
WC 37-5D-C32	37	270	210	204	185					1.46
WC 38-5D-C32	38	275	215	209	190					1.50
WC 39-5D-C32	39	278	218	212	195					1.58
WC 40-5D-C32	40	283	223	217	200					1.68
WC 41-5D-C32	41	288	228	222	205					1.80
WC 42-5D-C40	42	308	238	232	210	40	WCMT 08 04 12	M4.0X10	T15	2.26
WC 43-5D-C40	43	313	243	237	215					2.56
WC 44-5D-C40	44	318	248	242	220					2.44
WC 45-5D-C40	45	323	253	247	225					2.50
WC 46-5D-C40	46	328	258	252	230					2.68
WC 47-5D-C40	47	333	263	257	235					2.82
WC 48-5D-C40	48	338	268	262	240					2.88
WC 49-5D-C40	49	343	273	267	245					3.04
WC 50-5D-C40	50	348	278	272	250					3.30
WC 51-5D-C40	51	353	283	277	255					3.40
WC 52-5D-C40	52	358	288	282	260					3.46
WC 53-5D-C40	53	363	293	287	265					3.74
WC 54-5D-C40	54	368	298	292	270					3.98
WC 55-5D-C40	55	373	303	297	275					4.0
WC 56-5D-C40	56	378	308	302	280					4.26
WC 57-5D-C40	57	383	313	307	285					4.50
WC 58-5D-C40	58	388	318	312	290					4.60
WC 59-5D-C40	59	393	323	317	295					4.72
WC 60-5D-C40	60	400	330	324	300					4.90

W形刀片 快速钻头

WC series indexable drill

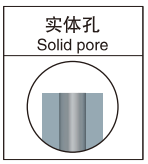
公差：0~ ± 0.15mm

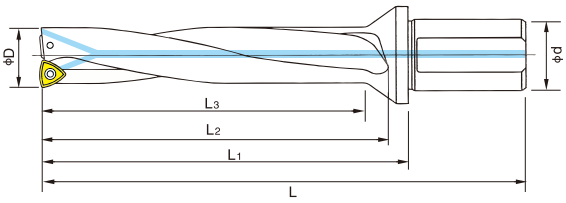
Tolerance



适合加工孔

Suitable for machining holes



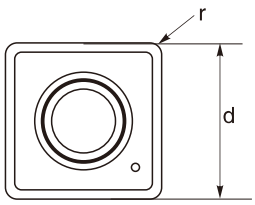


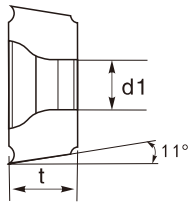
Dx6

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 15–6D–C25	15				90					
WC 16–6D–C25	16				96					
WC 17–6D–C25	17				102	25	WCMT030208	M2.5x5	T8	
WC 18–6D–C25	18				108					
WC 19–6D–C25	19				114					
WC 20–6D–C25	20				120					
WC 21–6D–C25	21				126	25	WCMT040208	M2.5x6	T8	
WC 22–6D–C25	22	208	152	146.5	132					
WC 23–6D–C25	23	217	161	155.5	138					
WC 24–6D–C25	24	223	167	161.5	144					
WC 25–6D–C32	25	235	175	169	150					0.84
WC 26–6D–C32	26	243	183	177	156	32	WCMT050308	M3.5x10	T10	0.92
WC 27–6D–C32	27	249	189	183	162					0.98
WC 28–6D–C32	28	253	193	187	168					1.0
WC 29–6D–C32	29	259	199	193	174					1.08
WC 30–6D–C32	30	265	205	199	180					1.2
WC 31–6D–C32	31	269	209	203	186					1.16
WC 32–6D–C32	32	275	215	209	192					1.22
WC 33–6D–C32	33	281	221	215	198					1.34
WC 34–6D–C32	34	287	227	221	204					1.42
WC 35–6D–C32	35	293	233	227	210					1.44
WC 36–6D–C32	36	299	239	233	216	32	WCMT06T308	M3.5x8	T15	1.56
WC 37–6D–C32	37	307	247	241	222					1.64
WC38–6D–C32	38	313	253	247	228					1.68
WC 39–6D–C32	39	317	257	251	234					1.84
WC 40–6D–C32	40	323	263	257	240					1.88
WC 41–6D–C32	41	329	269	263	246					
WC 42–6D–C40	42	350	280	274	252					
WC 43–6D–C40	43	356	286	280	258					
WC 44–6D–C40	44	362	292	286	264					
WC 45–6D–C40	45	368	298	292	270					
WC 46–6D–C40	46	374	304	298	276	40	WCMT080412	M4.0x10	T15	
WC 47–6D–C40	47	380	310	304	282					
WC 48–6D–C40	48	386	316	310	288					
WC 49–6D–C40	49	392	322	316	294					
WC 50–6D–C40	50	398	328	322	300					

SPMG







型 号 Cat.No	尺寸（mm） Dimension				配 件 Accessories	
					螺丝 Screw	扳手 Wrench
	d	t	r	d1		
SPMG030104B	3.55	1.33	0.4	1.82	M1.8x3.1	T6
SPMG040204B	4.60	2.30	0.4	2.30	M2.2x4	T6
SPMG050204B	5.00	2.38	0.4	2.25	M2.2x5-D27	T6
SPMG060204B	6.00	2.38	0.4	2.61	M2.2x6	T7
SPMG07T308B	7.94	3.97	0.8	2.85	M2.5x8	T8
SPMG090408B	9.80	4.30	0.8	4.05	M3.5x10	T15
SPMG110408B	11.50	4.80	0.8	4.45	M4.0x10	T15
SPMG140512B	14.30	5.20	1.2	5.75	M5x12	T20

小直径 快速钻头

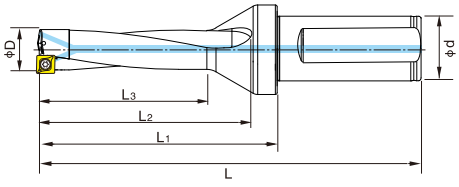
Small diameterFast bit

公差：0~±0.15mm

Tolerance







2D/3D/4D/5D

型 号 Cat.No	直 径 Diameter	尺寸（mm） Dimension									配 件 Accessories		
		2倍长	重量 Kg	3倍长	重量Kg	4倍长	重量Kg	5倍长	重量Kg	柄径	刀片 Insert	螺丝 Screw	扳手 Wrench
SP8.0-C20-SP03	8.0	16	0.18	24	0.18	32	0.2	40	0.25	20	SPMG030104	M1.8	T6
SP8.5-C20-SP03	8.5	17	0.18	26	0.18	34	0.2	43	0.25	20			
SP9.0-C20-SP03	9.0	18	0.18	27	0.18	36	0.2	45	0.25	20			
SP9.5-C20-SP03	9.5	19	0.18	29	0.18	38	0.2	48	0.25	20			
SP10.0-C20-SP03	10.0	20	0.18	30	0.18	40	0.2	50	0.25	20			
SP10.0-C20-SP04	10.0	20	0.18	31.5	0.18	42	0.2	52.5	0.25	20	SPMG040204	M2.2*4*D27	T6
SP10.5-C20-SP04	10.5	21	0.18	33	0.2	44	0.2	55	0.25	20			
SP11.0-C20-SP04	11.0	22	0.18	34.5	0.2	46	0.2	57.5	0.25	20			
SP11.5-C20-SP04	11.5	23	0.18	35	0.2	48	0.2	60	0.25	20			
SP12.0-C20-SP04	12.0	24	0.2	36	0.2	48	0.2	60	0.25	20			

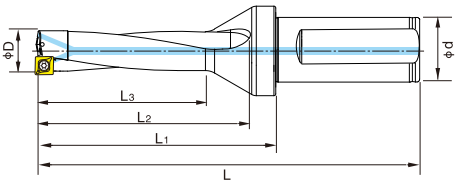
S形刀片 快速钻头

SP series indexable drill

公差：0~±0.15mm

Tolerance





Dx2

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP12.5-2D-C20	12.5	93.5	43.5	38	25	20	SPMG 05 02 04	M2.2x5-D27	T6	0.16
SP13-2D-C20	13	96	46	40.5	26					0.16
SP13.5-2D-C20	13.5				27					0.16
SP14-2D-C25	14	106	50	44.5	28	25				0.28
SP14.5-2D-C25	14.5				29					0.28
SP15-2D-C25	15	108	52	46.5	30					0.28
SP15.5-2D-C25	15.5				31	25	SPMG 06 02 04	M2.2x6	T7	0.28
SP16-2D-C25	16	111	55	49.5	32					0.28
SP16.5-2D-C25	16.5				33					0.28
SP17-2D-C25	17	113	57	51.5	34					0.3
SP17.5-2D-C25	17.5				35					0.3
SP18-2D-C25	18	115	59	53.5	36					0.32
SP18.5-2D-C25	18.5				37					0.32
SP19-2D-C25	19	116	60	54.5	38					0.32
SP19.5-2D-C25	19.5				39					0.32
SP20-2D-C25	20	119	63	57.5	40					0.32
SP20.5-2D-C25	20.5				41					0.32
SP21-2D-C25	21	121	65	59.5	42					0.34
SP21.5-2D-C25	21.5				43					0.34
SP22-2D-C25	22	120	64	58.5	44	25	SPMG 07 T3 08	M2.5x8	T8	0.34
SP22.5-2D-C25	22.5				45					0.34
SP23-2D-C25	23	125	69	63.5	46					0.36
SP23.5-2D-C25	23.5				47					0.36
SP24-2D-C25	24	127	71	65.5	48					0.36
SP24.5-2D-C25	24.5				49					0.38
SP25-2D-C32	25	135	75	69	50	32				0.66
SP25.5-2D-C32	25.5				51					0.66
SP26-2D-C2	26	139	79	73	52					0.68
SP26.5-2D-C32	26.5				53					0.68
SP27-2D-C32	27	141	81	75	54					0.7
SP27.5-2D-C32	27.5				55					0.72
SP28-2D-C32	28	141	81	75	56	32	SPMG 09 04 08	M3.5x10	T15	0.7
SP28.5-2D-C32	28.5				57					0.7
SP29-2D-C32	29	143	83	77	58					0.7
SP29.5-2D-C32	29.5				59					0.72
SP30-2D-C32	30	145	85	79	60					0.74
SP30.5-2D-C32	30.5				61					0.74
SP31-2D-C32	31	145	85	79	62					0.74
SP31.5-2D-C32	31.5				63					0.74
SP32-2D-C32	32	147	87	81	64					0.76
SP32.5-2D-C32	32.5				65					0.76
SP33-2D-C32	33	149	89	83	66					0.8
SP34-2D-C32	34	151	91	85	68	32	SPMG 11 04 08	M4.0x10	T15	0.8
SP35-2D-C32	35	153	93	87	70					0.8
SP36-2D-C32	36	155	95	89	72					0.84
SP37-2D-C32	37	159	99	93	74					0.86
SP38-2D-C32	38	161	101	95	76					0.92
SP39-2D-C32	39	161	101	95	78					0.92
SP40-2D-C32	40	163	103	97	80					0.96
SP41-2D-C32	41	165	105	99	82					1
SP42-2D-C40	42	182	112	106	84	40	SPMG 14 05 12	M5.0x12	T20	1.44
SP43-2D-C40	43	184	114	108	86					1.5
SP44-2D-C40	44	186	116	110	88					1.54
SP45-2D-C40	45	188	118	112	90					1.58
SP46-2D-C40	46	190	120	114	92					1.62
SP47-2D-C40	47	192	122	116	94					1.66
SP48-2D-C40	48	194	124	118	96					1.72
SP49-2D-C40	49	196	126	120	98					1.76
SP50-2D-C40	50	198	128	122	100					1.84

S形刀片 快速钻头

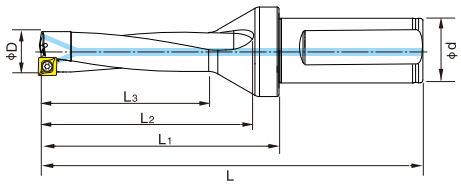
SP series indexable drill

公差：0~±0.15mm

Tolerance

Dx3





型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP12.5-3D-C20	12.5	106	56	50.5	37.5	20	SPMG 05 02 04	M2.2x5-D27	T6	0.2
SP13-3D-C20	13	109	59	53.5	39					0.2
SP13.5-3D-C20	13.5				40.5					0.2
SP14-3D-C25	14	120	64	58.5	42	25				0.32
SP14.5-3D-C25	14.5				43.5					0.32
SP15-3D-C25	15	123	67	61.5	45					0.32
SP15.5-3D-C25	15.5				46.5	25	SPMG 06 02 04	M2.2x6	T7	0.34
SP16-3D-C25	16	127	71	65.5	48					0.34
SP16.5-3D-C25	16.5				49.5					0.34
SP17-3D-C25	17	130	74	68.5	51					0.34
SP17.5-3D-C25	17.5				52.5					0.36
SP18-3D-C25	18	133	77	71.5	54					0.36
SP18.5-3D-C25	18.5				55.5					0.38
SP19-3D-C25	19	135	79	73.5	57					0.38
SP19.5-3D-C25	19.5				58.5					0.38
SP20-3D-C25	20	139	83	77.5	60					0.4
SP20.5-3D-C25	20.5				61.5					0.4
SP21-3D-C25	21	142	86	80.5	63					0.4
SP21.5-3D-C25	21.5				64.5					0.4
SP22-3D-C25	22	142	86	80.5	66	25	SPMG 07 T3 08	M2.5x8	T8	0.4
SP22.5-3D-C25	22.5				67.5					0.4
SP23-3D-C25	23	148	92	86.5	69					0.42
SP23.5-3D-C25	23.5				70.5					0.42
SP24-3D-C25	24	151	95	89.5	72					0.44
SP24.5-3D-C25	24.5				73.5					0.44
SP25-3D-C32	25	160	100	94	75	32				0.7
SP25.5-3D-C32	25.5				76.5					0.7
SP26-3D-C32	26	165	105	99	78					0.72
SP26.5-3D-C32	26.5				79.5					0.74
SP27-3D-C32	27	168	108	102	81					0.78
SP27.5-3D-C32	27.5				82.5					0.78
SP28-3D-C32	28	169	109	103	84	32	SPMG 09 04 08	M3.5x10	T15	0.78
SP28.5-3D-C32	28.5				85.5					0.78
SP29-3D-C32	29	172	112	106	87					0.8
SP29.5-3D-C32	29.5				88.5					0.8
SP30-3D-C32	30	175	115	109	90					0.82
SP30.5-3D-C32	30.5				91.5					0.84
SP31-3D-C32	31	176	116	110	93					0.84
SP31.5-3D-C32	31.5				94.5					0.84
SP32-3D-C32	32	179	119	113	96					0.88
SP32.5-3D-C32	32.5				97.5					0.88
SP33-3D-C32	33	182	122	116	99					0.9
SP33.5-3D-C32	33.5				100.5					0.9
SP34-3D-C32	34	185	125	119	102	32	SPMG 11 04 08	M4.0x10	T15	0.9
SP35-3D-C32	35	188	128	122	105					0.96
SP36-3D-C32	36	191	131	125	108					0.98
SP37-3D-C32	37	196	136	130	111					1.04
SP38-3D-C32	38	199	139	133	114					1.10
SP39-3D-C32	39	200	140	134	117					1.14
SP40-3D-C32	40	203	143	137	120					1.18
SP41-3D-C32	41	206	146	140	123					1.22
SP42-3D-C40	42	224	154	148	126	40	SPMG 14 05 12	M5.0x12	T20	1.70
SP43-3D-C40	43	227	157	151	129					1.74
SP44-3D-C40	44	230	160	154	132					1.78
SP45-3D-C32	45	233	163	157	135					1.86
SP46-3D-C40	46	236	166	160	138					1.94
SP47-3D-C40	47	239	169	163	141					2.0
SP48-3D-C40	48	242	172	166	144					2.0
SP49-3D-C40	49	245	175	169	147					2.16
SP50-3D-C40	50	248	178	172	150					2.24

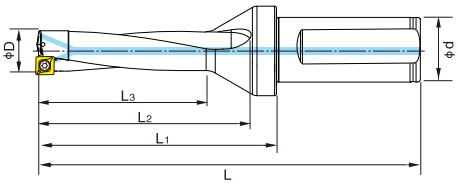
S形刀片 快速钻头

SP series indexable drill

公差：0~±0.15mm

Tolerance





Dx4

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP12.5-4D-C20	12.5	118.5	68.5	63	50	20	SPMG 05 02 04	M2.2x5-D27	T6	0.22
SP13-4D-C20	13.0	122	72	66.5	52					0.22
SP13.5-4D-C20	13.5				54					0.22
SP14-4D-C25	14.0	134	78	72.5	56	25	SPMG 05 02 04	M2.2x5-D27	T6	0.32
SP14.5-4D-C25	14.5				58					0.32
SP15-4D-C25	15.0	138	82	76.5	60					0.34
SP15.5-4D-C25	15.5				62	25	SPMG 06 02 04	M2.2x6	T7	0.34
SP16-4D-C25	16.0	143	87	81.5	64					0.34
SP16.5-4D-C25	16.5				66					0.34
SP17-4D-C25	17.0	147	91	85.5	68					0.38
SP17.5-4D-C25	17.5				70					0.38
SP18-4D-C25	18.0	151	95	89.5	72					0.38
SP18.5-4D-C25	18.5				74					0.38
SP19-4D-C25	19.0	154	98	92.5	76					0.4
SP19.5-4D-C25	19.5				78					0.4
SP20-4D-C25	20.0	159	103	97.5	80					0.42
SP20.5-4D-C25	20.5				82					0.42
SP21-4D-C25	21.0	163	107	101.5	84					0.44
SP21.5-4D-C25	21.5				86					0.44
SP22-4D-C25	22.0	164	108	102.5	88	25	SPMG 07 T3 08	M2.5x8	T8	0.44
SP22.5-4D-C25	22.5				90					0.44
SP23-4D-C25	23.0	171	115	109.5	92					0.46
SP23.5-4D-C25	23.5				94					0.48
SP24-4D-C25	24.0	175	119	113.5	96					0.5
SP24.5-4D-C25	24.5				98					0.5
SP25-4D-C32	25.0	185	125	119	100	32				0.76
SP25.5-4D-C32	25.5				102					0.76
SP26-4D-C32	26.0	191	131	125	104					0.78
SP26.5-4D-C32	26.5				106					0.82
SP27-4D-C32	27.0	195	135	129	108					0.84
SP27.5-4D-C32	27.5				110					0.86
SP28-4D-C32	28.0	197	137	131	112	32	SPMG 09 04 08	M3.5x10	T15	0.84
SP28.5-4D-C32	28.5				114					0.84
SP29-4D-C32	29.0	201	141	135	116					0.88
SP29.5-4D-C32	29.5				118					0.9
SP30-4D-C32	30.0	205	145	139	120					0.9
SP30.5-4D-C32	30.5				122					0.94
SP31-4D-C32	31.0	207	147	141	124					0.94
SP31.5-4D-C32	31.5				126					0.96
SP32-4D-C32	32.0	211	151	145	128					0.98
SP32.5-4D-C32	32.5				130					1.0
SP33-4D-C32	33.0	215	155	149	132					1.0
SP33.5-4D-C32	33.5				134					1.0
SP34-4D-C32	34.0	219	159	153	136	32	SPMG 11 04 08	M4.0x10	T15	1.06
SP35-4D-C32	35.0	223	163	157	140					1.06
SP36-4D-C32	36.0	227	167	161	144					1.14
SP37-4D-C32	37.0	233	173	167	148					1.20
SP38-4D-C32	38.0	237	177	171	152					1.26
SP39-4D-C32	39.0	239	179	173	156					1.32
SP40-4D-C32	40.0	243	183	177	160					1.36
SP41-4D-C32	41.0	247	187	181	164					1.48
SP42-4D-C40	42.0	266	196	190	168	40	SPMG 14 05 12	M5.0x12	T20	1.94
SP43-4D-C40	43.0	270	200	194	172					1.98
SP44-4D-C40	44.0	274	204	198	176					2.06
SP45-4D-C40	45.0	278	208	202	180					2.14
SP46-4D-C40	46.0	282	212	206	184					2.26
SP47-4D-C40	47.0	286	216	210	188					2.42
SP48-4D-C40	48.0	290	220	214	192					2.46
SP49-4D-C40	49.0	294	224	218	196					2.58
SP50-4D-C40	50.0	298	228	222	200					2.70

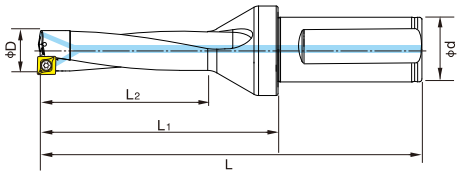
S形刀片 快速钻头

SP series indexable drill

公差：0~±0.15mm

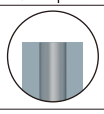
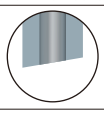
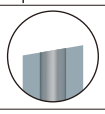
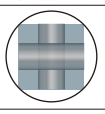
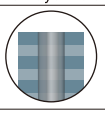
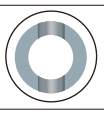
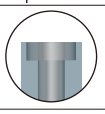
Tolerance





Dx5

型 号 Cat.No	尺寸（mm） Dimension					刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	d				
SP15-5D-C25	15	153	97	75	25	SPMG050204	M2.2x6	T6	0.38
SP15.5-5D-C25	15.5			77.5					0.4
SP16-5D-C25	16	159	103	80	25	SPMG 06 02 04	M2.2x5-D27	T7	0.4
SP16.5-5D-C25	16.5			82.5					0.4
SP17-5D-C25	17	164	108	85	25	SPMG 06 02 04	M2.2x6	T7	0.42
SP17.5-5D-C25	17.5			87.5					0.42
SP18-5D-C25	18	169	113	90					0.44
SP18.5-5D-C25	18.5			92.5					0.44
SP19-5D-C25	19	173	117	95					0.46
SP19.5-5D-C25	19.5			97.5					0.46
SP20-5D-C25	20	179	126	100					0.48
SP20.5-5D-C25	20.5			102.5					0.48
SP21-5D-C25	21	184	128	105					0.5
SP21.5-5D-C25	21.5			107.5					0.5
SP22-5D-C25	22	186	130	110	25	SPMG 07 T3 08	M2.5x8	T8	0.5
SP22.5-5D-C25	22.5			112.5					0.5
SP23-5D-C25	23	194	137	115					0.54
SP23.5-5D-C25	23.5			117.5					0.54
SP24-5D-C25	24	199	143	120					0.58
SP24.5-5D-C25	24.5			122.5					0.58
SP25-5D-C32	25	209	150	125					0.86
SP25.5-5D-C32	25.5			127.5					0.86
SP26-5D-C32	26	206	157	130					0.88
SP26.5-5D-C32	26.5			132.5					0.9
SP27-5D-C32	27	222	162	135					0.94
SP27.5-5D-C32	27.5			137.5					0.94
SP28-5D-C32	28	225	165	140	32	SPMG 09 04 08	M3.5x10	T15	0.94
SP29-5D-C32	29	230	170	145					0.96
SP30-5D-C32	30	235	175	150					1.02
SP31-5D-C32	31	238	178	155					1.02
SP32-5D-C32	32	243	183	160					1.08
SP33-5D-C32	33	248	188	165					1.12
SP34-5D-C32	34	253	193	170	32	SPMG 11 04 08	M4.0x10	T15	1.16
SP35-5D-C32	35	258	198	175					1.20
SP36-5D-C32	36	263	203	180					1.28
SP37-5D-C32	37	270	210	185					1.40
SP38-5D-C32	38	275	215	190					1.44
SP39-5D-C32	39	278	218	195					1.54
SP40-5D-C32	40	283	223	200					1.62
SP41-5D-C32	41	288	228	205					1.72
SP42-5D-C40	42	308	238	210	40	SPMG 14 05 12	M5.0x12	T20	2.20
SP43-5D-C40	43	313	243	215					2.26
SP44-5D-C40	44	318	248	220					2.44
SP45-5D-C40	45	323	253	225					2.48
SP46-5D-C40	46	328	258	230					2.52
SP47-5D-C40	47	333	263	235					2.62
SP48-5D-C40	48	338	268	240					2.9
SP49-5D-C40	49	343	273	245					2.98
SP50-5D-C40	50	348	278	250					3.06

实体孔 Solid pore	底部斜面孔 Bottom inclined face	顶部斜面孔 Top slant face	倒角孔 Chamfering hole	交叉孔 Cross hole	多层孔 Multilayer hole	凸面孔 Convex surface hole	扩孔 Expand hole	适合加工孔 Suitable for machining holes
								

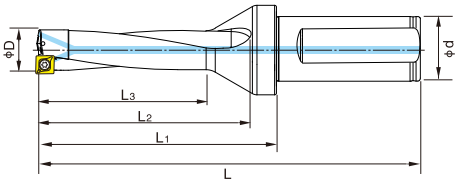
S形刀片 快速钻头

SP series indexable drill

公差：0~ ± 0.15mm

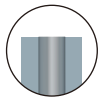
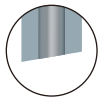
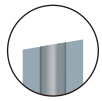
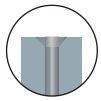
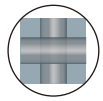
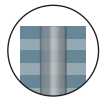
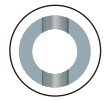
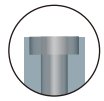
Tolerance





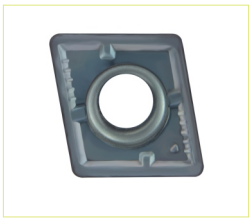
Dx6

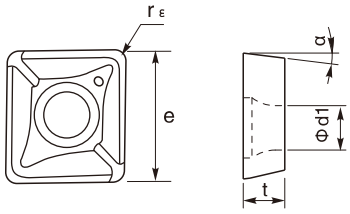
型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP 15–6D–C25	15	185	125	95	90	25	SPMG050204	M2.2x5	T6	
SP 16–6D–C25	16	191	131	101	96	25	SPMG060204	M2.2x6	T7	
SP 17–6D–C25	17	197	137	107	102					
SP 18–6D–C25	18	203	143	113	108					
SP 19–6D–C25	19	209	149	119	114					
SP 20–6D–C25	20	215	155	125	120					
SP 21–6D–C25	21	221	161	131	126					
SP 22–6D–C25	22	227	167	137	132	25	SPMG07T308	M2.5x8	T8	
SP 23–6D–C25	23	233	173	143	138					
SP 24–6D–C25	24	239	179	149	144					
SP 25–6D–C25	25	245	185	155	150					0.84
SP 26–6D–C32	26	251	191	161	156	32				0.92
SP 27–6D–C32	27	257	297	167	162					0.98
SP 28–6D–C32	28	263	203	173	168	32	SPMG090408	M3.5x10	T15	0.98
SP 29–6D–C32	29	269	209	179	174					1.0
SP 30–6D–C32	30	375	215	185	180					1.08
SP 31–6D–C32	31	381	221	191	186					1.16
SP 32–6D–C32	32	387	227	197	192					1.22
SP 33–6D–C40	33	393	233	203	198					1.34
SP 34–6D–C40	34	399	239	209	204	40	SPMG110408	M4x10	T15	1.42
SP 35–6D–C40	35	305	245	215	210					1.44
SP 36–6D–C40	36	311	251	221	216					1.56
SP 37–6D–C40	37	317	257	227	222					164
SP 38–6D–C40	38	323	263	233	228					1.68
SP 39–6D–C40	39	329	269	239	234					1.84
SP 40–6D–C40	40	335	275	245	240					1.88
SP 41–6D–C40	41	341	281	251	246					
SP 42–6D–C40	42	347	287	257	252	40	SPMG140512	M5x12	T20	
SP 43–6D–C40	43	368	298	363	258					
SP 44–6D–C40	44	374	304	269	264					
SP 45–6D–C40	45	380	310	275	270					
SP 46–6D–C40	46	386	316	281	276					
SP 47–6D–C40	47	392	322	287	282					
SP 48–6D–C40	48	398	328	293	288					
SP 49–6D–C40	49	404	334	299	294					
SP 50–6D–C40					300					

实体孔 Solid pore	底部斜面孔 Bottom inclined face	顶部斜面孔 Top slant face	倒角孔 Chamfering hole	交叉孔 Cross hole	多层孔 Multilayer hole	凸面孔 Convex surface hole	扩孔 Expand hole	适合加工孔 Suitable for machining holes
								

WDXT刀片

WDXT Insert





型号 Cat.No	P300	K300	DL1500	Fig	尺寸（mm） Dimension			适用刀杆 Applicable Holders
					e	厚度 thickness	rε	
WDXT 042004–G	●	●	●	5	4.2	2.0	0.4	WDX130D3S20 –WDX130D3S20
WDXT 052504–G	●	●	●	5	5.0	2.5	0.4	WDX155D3S20 –WDX180D3S25
WDXT 063006–G	●	●	●	5	6.0	3.0	0.6	WDX185D3S25 –WDX285D3S32
WDXT 073506–G	●	●	●	5	7.5	3.5	0.6	WDX230D3S25 –WDX285D3S32
WDXT 094008–G	●	●	●	5	9.6	4.0	0.8	WDX290D3S32 –WDX360D3S40
WDXT 125012–G	●	●	●	5	12.4	5.0	1.2	WDX370D3S40 –WDX450D3S40
WDXT 156012–G	●	●	●	5	15.2	6.0	1.2	WDX460D3S40 –WDX550D3S40
WDXT 186012–G	●	●		5	18.0	6.0	1.2	WDX560D3S40 –WDX680D3S40

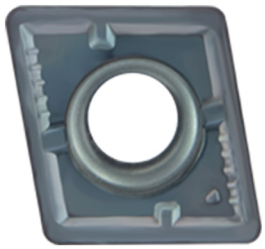
WDXT series indexable drill

WD 快速钻

diameter:12.5~60mm

2D 3D 4D 5D

WDXT insert series





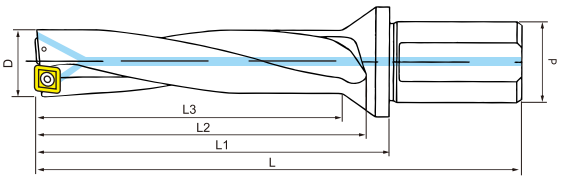
WDXT 快速钻头 3倍长

WDXT series 3D indexable drill

公差：0~ ± 0.15mm

Tolerance





Dx3

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WD13-3D-C25	13	125	69	44	39	25	WDXT 042004	M1.6x4	T6	0.28
WD13.5-3D-C25	13.5	126.5	70.5	45.5	40.5					0.28
WD14-3D-C25	14	128	72	47	42					0.32
WD14.5-3D-C25	14.5	129.5	73.5	48.5	43.5					0.32
WD15-3D-C25	15	131	75	50	45					0.32
WD15.5-3D-C25	15.5	132.5	76.5	51.5	46.5	25	WDXT 052504	M2.0x5	T6	0.32
WD16-3D-C25	16	134	78	53	48					0.32
WD16.5-3D-C25	16.5	135.5	79.5	54.5	49.5					0.32
WD17-3D-C25	17	137	81	56	51					0.34
WD17.5-3D-C25	17.5	138.5	82.5	57.5	52.5					0.34
WD18-3D-C25	18	140	84	59	54					0.36
WD18.5-3D-C25	18.5	141.5	85.5	60.5	55.5	25	WDXT 063006	M2.2x6	T7	0.36
WD19-3D-C25	19	143	87	62	57					0.36
WD19.5-3D-C25	19.5	144.5	88.5	63.5	58.5					0.36
WD20-3D-C25	20	146	90	65	60					0.38
WD20.5-3D-C25	20.5	147.5	91.5	66.5	61.5					0.38
WD21-3D-C32	21	158	98	68	63	32				0.4
WD21.5-3D-C32	21.5	159.5	99.5	69.5	64.5					0.4
WD22-3D-C32	22	161	101	71	66					
WD22.5-3D-C32	22.5	162.5	102.5	72.5	67.5					
WD23-3D-C32	23	164	104	74	69	32	WDXT 073506	M2.5x8	T8	
WD23.5-3D-C32	23.5	165.5	105.5	75.5	70.5					
WD24-3D-C32	24	167	107	77	72					
WD24.5-3D-C32	24.5	168.5	108.5	78.5	73.5					
WD25-3D-C32	25	170	110	80	75					
WD25.5-3D-C32	25.5	171.5	111.5	81.5	76.5					
WD26-3D-C32	26	173	113	83	78					
WD26.5-3D-C32	26.5	174.5	114.5	84.5	79.5					
WD27-3D-C32	27	176	116	86	81					
WD27.5-3D-C32	27.5	177.5	117.5	87.5	82.5					
WD28-3D-C32	28	179	119	89	84					
WD28.5-3D-C32	28.5	180.5	120.5	90.5	85.5					
WD29-3D-C32	29	182	122	92	87	32	WDXT 094008	M3.5x10	T15	0.78
WD29.5-3D-C32	29.5	183.5	123.5	93.5	88.5					
WD30-3D-C32	30	185	125	95	90					0.82
WD31-3D-C32	31	188	128	98	93					0.86
WD32-3D-C32	32	191	131	101	96					0.9
WD33-3D-C32	33	194	134	104	99					0.92
WD34-3D-C32	34	197	137	107	102					0.96
WD35-3D-C32	35	200	140	110	105					1.0
WD36-3D-C32	36	203	143	113	108					1.06
WD37-3D-C32	37	206	146	116	111	32	WDXT 125012	M5.0x12	T20	
WD38-3D-C32	38	209	149	119	114					
WD39-3D-C32	39	212	152	122	117					
WD40-3D-C32	40	215	155	125	120					
WD41-3D-C32	41	218	158	128	123					
WD42-3D-C32	42	221	161	131	126					
WD43-3D-C40	43	239	169	134	129	40				
WD44-3D-C40	44	242	172	137	132					
WD45-3D-C40	45	245	175	140	135					
WD46-3D-C40	46	248	178	143	138	40	WDXT 156012	M6.0x16	T25	
WD47-3D-C40	47	251	181	146	141					
WD48-3D-C40	48	254	184	149	144					
WD49-3D-C40	49	257	187	152	147					
WD50-3D-C40	50	260	190	155	150					
WD51-3D-C40	51	263	193	158	153					
WD52-3D-C40	52	266	196	161	156					
WD53-3D-C40	53	269	199	164	159					
WD54-3D-C40	54	272	202	167	162					
WD55-3D-C40	55	275	205	170	165					

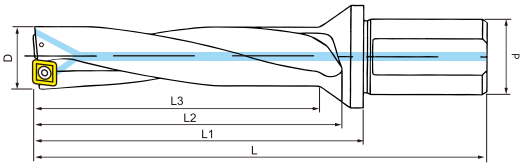
WDXT 快速钻头 4倍长

WDXT series 4D indexable drill

公差：0~ ± 0.15mm

Tolerance





Dx4

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WD13-4D-C25	13	138	82	57	52	25	WDXT 042004	M1.8x4	T6	0.32
WD13.5-4D-C25	13.5	140	84	59	54					0.32
WD14-4D-C25	14	142	86	61	56					0.32
WD14.5-4D-C25	14.5	144	88	63	58					0.32
WD15-4D-C25	15	146	90	65	60					0.32
WD15.5-4D-C25	15.5	148	92	67	62	25	WDXT 052504	M2.0x5	T6	0.32
WD16-4D-C25	16	150	94	69	64					0.34
WD16.5-4D-C25	16.5	152	96	71	66					0.34
WD17-4D-C25	17	154	98	73	68					0.36
WD17.5-4D-C25	17.5	156	100	75	70					0.36
WD18-4D-C25	18	158	102	77	72					0.38
WD18.5-4D-C25	18.5	160	104	79	74	25	WDXT 063006	M2.2x6	T7	0.38
WD19-4D-C25	19	162	106	81	76					0.38
WD19.5-4D-C25	19.5	164	108	83	78					0.4
WD20-4D-C25	20	166	110	85	80					0.42
WD20.5-4D-C25	20.5	168	112	87	82					0.42
WD21-4D-C32	21	179	119	89	84	32				
WD21.5-4D-C32	21.5	181	121	91	86					
WD22-4D-C32	22	183	123	93	88					
WD22.5-4D-C32	22.5	185	125	95	90					
WD23-4D-C32	23	187	127	97	92	32	WDXT 073506	M2.5x8	T8	
WD23.5-4D-C32	23.5	189	129	99	94					
WD24-4D-C32	24	191	131	101	96					
WD24.5-4D-C32	24.5	193	133	103	98					
WD25-4D-C32	25	195	135	105	100					
WD25.5-4D-C32	25.5	197	137	107	102					
WD26-4D-C32	26	199	139	109	104					
WD26.5-4D-C32	26.5	201	141	111	106					
WD27-4D-C32	27	203	143	113	108					
WD27.5-4D-C32	27.5	205	145	115	110					
WD28-4D-C32	28	207	147	117	112					
WD28.5-4D-C32	28.5	209	149	119	114					
WD29-4D-C32	29	211	151	121	116	32	WDXT 094008	M3.5x10	T15	
WD29.5-4D-C32	29.5	213	153	123	118					
WD30-4D-C32	30	215	155	125	120					
WD31-4D-C32	31	219	159	129	124					
WD32-4D-C32	32	223	163	133	128					
WD33-4D-C32	33	227	167	137	132					
WD34-4D-C32	34	231	171	141	136					
WD35-4D-C32	35	235	175	145	140					
WD36-4D-C32	36	239	179	149	144					
WD37-4D-C32	37	243	183	153	148	32	WDXT 125012	M5.0x12	T20	
WD38-4D-C32	38	247	187	157	152					
WD39-4D-C32	39	251	191	161	156					
WD40-4D-C32	40	255	195	165	160					
WD41-4D-C32	41	259	199	169	164					
WD42-4D-C32	42	263	203	173	168					
WD43-4D-C40	43	282	212	177	172	40				
WD44-4D-C40	44	286	216	181	176					
WD45-4D-C40	45	290	220	185	180	40	WDXT 156012	M6.0x16	T25	
WD46-4D-C40	46	294	224	189	184					
WD47-4D-C40	47	298	228	193	188					
WD48-4D-C40	48	302	232	197	192					
WD49-4D-C40	49	306	236	201	196					
WD50-4D-C40	50	310	240	205	200					
WD51-4D-C40	51	314	244	209	204					
WD52-4D-C40	52	318	248	213	208					
WD53-4D-C40	53	322	252	217	212					
WD54-4D-C40	54	326	256	221	216					
WD55-4D-C40	55	330	260	225	220					

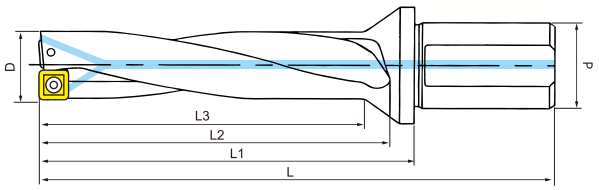
WDXT 快速钻头 5倍长

WDXT series 5D indexable drill

公差：0~ ± 0.15mm

Tolerance





Dx5

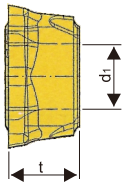
型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L_1	L_2	L_3	d				
WD15–5D–C25	15	161	105	80	75	25	WDXT042004	M1.8x4	T6	
WD16–5D–C25	16	166	110	85	80	25	WDXT 052504	M2.0x5	T6	
WD17–5D–C25	17	171	115	90	85					
WD18–5D–C25	18	176	120	95	90					
WD19–5D–C25	19	181	125	100	95	25	WDXT 063006	M2.2x6	T7	
WD20–5D–C25	20	186	130	105	100					
WD21–5D–C32	21	200	135	110	105	32				
WD22–5D–C32	22	205	140	115	110					
WD23–5D–C32	23	210	145	120	115	32	WDXT 073506	M2.5x8	T8	
WD24–5D–C32	24	215	150	125	120					
WD25–5D–C32	25	220	155	130	125					
WD26–5D–C32	26	225	160	135	130					
WD27–5D–C32	27	230	165	140	135					
WD28–5D–C32	28	235	170	145	140					
WD29–5D–C32	29	240	175	150	145	32	WDXT 094008	M3.5x10	T15	
WD30–5D–C32	30	245	180	155	150					
WD31–5D–C32	31	250	185	160	155					
WD32–5D–C32	32	255	190	165	160					
WD33–5D–C40	33	260	195	170	165	40				
WD34–5D–C40	34	265	200	175	170					
WD35–5D–C40	35	270	205	180	175					
WD36–5D–C40	36	275	210	185	180					
WD37–5D–C40	37	280	215	190	185	40	WDXT 125012	M4.0x12	T15	
WD38–5D–C40	38	285	220	195	190					
WD39–5D–C40	39	290	225	200	195					
WD40–5D–C40	40	295	230	205	200					
WD41–5D–C40	41	300	235	210	205					
WD42–5D–C40	42	305	240	215	210					
WD43–5D–C40	43	310	245	220	215					
WD44–5D–C40	44	315	250	225	220					
WD45–5D–C40	45	320	255	230	225					
WD46–5D–C40	46	325	260	235	230	40	WDXT 156012	M5.0x16	T20	
WD47–5D–C40	47	330	265	240	235					
WD48–5D–C40	48	335	270	245	240					
WD49–5D–C40	49	340	275	250	245					
WD50–5D–C40	50	345	280	255	250					

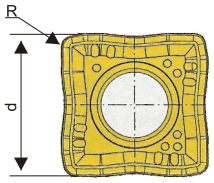
SOMT刀片

SOMT series carbide insert



• 通用加工





型号 Cat.No	尺寸（mm） Dimension				钻削范围 Drilling range
	d	t	R	d_1	
SOMT 040204 DP	4.4	2.38	0.4	2.25	12.0–14.0
SOMT 050204 DP	4.9	2.38	0.4	2.25	14.0–16.0
SOMT 060204 DP	5.7	2.38	0.4	2.60	16.5–19.0
SOMT 070306 DP	6.8	2.80	0.6	2.60	19.5–22.0
SOMT 08T306 DP	7.9	3.97	0.6	3.85	22.5–26.0
SOMT 09T308 DP	9.2	3.97	0.8	3.85	26.5–31.0
SOMT 11T308 DP	11.0	3.97	0.8	3.85	32.0–36.0
SOMT 130408 DP	12.8	4.40	0.8	3.85	37.0–43.0
SOMT 150510 DP	15.0	4.80	1.0	3.85	44.0–50.0

TOP series indexable drill

TOP 快速钻

diameter:12.5~60mm

2D 3D 4D 5D

SOMT insert series

SOMT 系列刀片





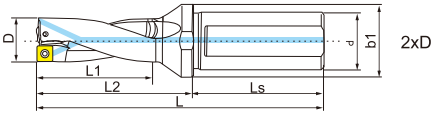
SO钻头

SO series 2D indexable dril

公差：0~ ± 0.15mm

Tolerance





Dx2

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	Ls	L2	L1	d				
SO12-2D-C20-04	12	94	50	44	24	20	SOMT040204	M2.0	T6	
SO12.5-2D-C20-04	12.5	96	50	46	25	20	SOMT040204	M2.0	T6	
SO13-2D-C20-04	13	96	50	46	26	20	SOMT040204	M2.0	T6	
SO13.5-2D-C20-04	13.5	96	50	46	27	20	SOMT040204	M2.0	T6	
SO14-2D-C20-05	14	96	50	46	28	20	SOMT050204	M2.0	T6	
SO14.5-2D-C20-05	14.5	99	50	49	29	20	SOMT050204	M2.0	T6	
SO15-2D-C20-05	15	99	50	49	30	20	SOMT050204	M2.0	T6	
SO15.5-2D-C20-05	15.5	100	50	50	31	20	SOMT050204	M2.0	T6	
SO16-2D-C20-05	16	100	50	50	32	20	SOMT050204	M2.0	T6	
SO16.5-2D-C25-06	16.5	110	56	54	33	25	SOMT060204	M2.2	T7	
SO17-2D-C25-06	17	110	56	54	34	25	SOMT060204	M2.2	T7	
SO17.5-2D-C25-06	17.5	113	56	57	35	25	SOMT060204	M2.2	T7	
SO18-2D-C25-06	18	113	56	57	36	25	SOMT060204	M2.2	T7	
SO18.5-2D-C25-06	18.5	115	56	59	37	25	SOMT060204	M2.2	T7	
SO19-2D-C25-06	19	115	56	59	38	25	SOMT060204	M2.2	T7	
SO19.5-2D-C25-07	19.5	119	56	63	39	25	SOMT070306	M2.2	T7	
SO20-2D-C25-07	20	119	56	63	40	25	SOMT070306	M2.2	T7	
SO20.5-2D-C25-07	20.5	121	56	65	41	25	SOMT070306	M2.2	T7	
SO21-2D-C25-07	21	121	56	65	42	25	SOMT070306	M2.2	T7	
SO21.5-2D-C25-07	21.5	123	56	67	43	25	SOMT070306	M2.2	T7	
SO22-2D-C25-07	22	123	56	67	44	25	SOMT070306	M2.2	T7	
SO22.5-2D-C25-08	22.5	124	56	68	45	25	SOMT08T306	M2.5	T8	
SO23-2D-C25-08	23	124	56	68	46	25	SOMT08T306	M2.5	T8	
SO23.5-2D-C25-08	23.5	126	56	70	47	25	SOMT08T306	M2.5	T8	
SO24-2D-C25-08	24	126	56	70	48	25	SOMT08T306	M2.5	T8	
SO24.5-2D-C25-08	24.5	128	56	72	49	25	SOMT08T306	M2.5	T8	
SO25-2D-C32-08	25	128	56	72	50	32	SOMT08T306	M2.5	T8	
SO25.5-2D-C32-08	25.5	133	60	73	51	32	SOMT08T306	M2.5	T8	
SO26-2D-C32-08	26	133	60	73	52	32	SOMT08T306	M2.5	T8	
SO26.5-2D-C32-09	26.5	137	60	77	53	32	SOMT09T308	M3.5	T15	
SO27-2D-C32-09	27	137	60	77	54	32	SOMT09T308	M3.5	T15	
SO27.5-2D-C32-09	27.5	139	60	79	55	32	SOMT09T308	M3.5	T15	
SO28-2D-C32-09	28	139	60	79	56	32	SOMT09T308	M3.5	T15	
SO28.5-2D-C32-09	28.5	141	60	81	57	32	SOMT09T308	M3.5	T15	
SO29-2D-C32-09	29	141	60	81	58	32	SOMT09T308	M3.5	T15	
SO29.5-2D-C32-09	29.5	143	60	83	59	32	SOMT09T308	M3.5	T15	
SO30-2D-C32-09	30	143	60	83	60	32	SOMT09T308	M3.5	T15	
SO30.5-2D-C32-09	30.5	145	60	85	61	32	SOMT09T308	M3.5	T15	
SO31-2D-C32-09	31	145	60	85	62	32	SOMT09T308	M3.5	T15	
SO32-2D-C32-11	32	147	60	87	64	32	SOMT11T308	M3.5	T15	
SO33-2D-C32-11	33	149	60	89	66	32	SOMT11T308	M3.5	T15	
SO34-2D-C32-11	34	151	60	91	68	32	SOMT11T308	M3.5	T15	
SO35-2D-C32-11	35	153	60	93	70	32	SOMT11T308	M3.5	T15	
SO36-2D-C32-11	36	155	60	95	72	32	SOMT11T308	M3.5	T15	
SO37-2D-C32-11	37	162	60	102	74	32	SOMT11T308	M4.0	T15	
SO38-2D-C32-13	38	164	60	104	76	32	SOMT130408	M4.0	T15	
SO39-2D-C32-13	39	166	60	106	78	32	SOMT130408	M4.0	T15	
SO40-2D-C32-13	40	168	60	108	80	32	SOMT130408	M4.0	T15	
SO41-2D-C32-13	41	170	60	110	82	32	SOMT130408	M4.0	T15	
SO42-2D-C40-13	42	182	70	112	84	40	SOMT130408	M4.0	T15	
SO43-2D-C40-13	43	184	70	114	86	40	SOMT130408	M4.0	T15	
SO44-2D-C40-15	44	193	70	123	88	40	SOMT150510	M5.0	T20	
SO45-2D-C40-15	45	195	70	125	90	40	SOMT150510	M5.0	T20	
SO46-2D-C40-15	46	197	70	127	92	40	SOMT150510	M5.0	T20	
SO47-2D-C40-15	47	199	70	129	94	40	SOMT150510	M5.0	T20	
SO48-2D-C40-15	48	201	70	131	96	40	SOMT150510	M5.0	T20	
SO49-2D-C40-15	49	203	70	133	98	40	SOMT150510	M5.0	T20	
SO50-2D-C40-15	50	205	70	135	100	40	SOMT150510	M5.0	T20	

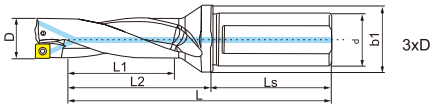
SO钻头

SO series 2D indexable dril

公差：0~±0.15mm

Tolerance





Dx3

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	Ls	L2	L1	d				
SO12-3D-C20-04	12	106	50	56	36	20	SOMT040204	M2.0	T6	
SO12.5-3D-C20-04	12.5	109	50	59	37.5	20	SOMT040204	M2.0	T6	
SO13-3D-C20-04	13	109	50	59	39	20	SOMT040204	M2.0	T6	
SO13.5-3D-C20-04	13.5	110	50	60	40.5	20	SOMT040204	M2.0	T6	
SO14-3D-C20-05	14	110	50	60	42	20	SOMT050204	M2.0	T6	
SO14.5-3D-C20-05	14.5	114	50	64	43.5	20	SOMT050204	M2.0	T6	
SO15-3D-C20-05	15	114	50	64	45	20	SOMT050204	M2.0	T6	
SO15.5-3D-C20-05	15.5	118	50	68	46.5	20	SOMT050204	M2.0	T6	
SO16-3D-C20-05	16	118	50	68	48	20	SOMT050204	M2.0	T6	
SO16.5-3D-C25-06	16.5	127	56	71	49.5	25	SOMT060204	M2.2	T7	
SO17-3D-C25-06	17	127	56	71	51	25	SOMT060204	M2.2	T7	
SO17.5-3D-C25-06	17.5	131	56	75	52.5	25	SOMT060204	M2.2	T7	
SO18-3D-C25-06	18	131	56	75	54	25	SOMT060204	M2.2	T7	
SO18.5-3D-C25-06	18.5	134	56	78	55.5	25	SOMT060204	M2.2	T7	
SO19-3D-C25-06	19	134	56	78	57	25	SOMT060204	M2.2	T7	
SO19.5-3D-C25-07	19.5	139	56	83	58.5	25	SOMT070306	M2.2	T7	
SO20-3D-C25-07	20	139	56	83	60	25	SOMT070306	M2.2	T7	
SO20.5-3D-C25-07	20.5	142	56	86	61.5	25	SOMT070306	M2.2	T7	
SO21-3D-C25-07	21	142	56	86	63	25	SOMT070306	M2.2	T7	
SO21.5-3D-C25-07	21.5	145	56	89	64.5	25	SOMT070306	M2.2	T7	
SO22-3D-C25-07	22	145	56	89	66	25	SOMT070306	M2.2	T7	
SO22.5-3D-C25-08	22.5	147	56	91	67.5	25	SOMT08T306	M2.5	T8	
SO23-3D-C25-08	23	147	56	91	69	25	SOMT08T306	M2.5	T8	
SO23.5-3D-C25-08	23.5	150	56	94	70.5	25	SOMT08T306	M2.5	T8	
SO24-3D-C25-08	24	150	56	94	72	25	SOMT08T306	M2.5	T8	
SO24.5-3D-C25-08	24.5	153	56	97	73.5	25	SOMT08T306	M2.5	T8	
SO25-3D-C32-08	25	153	56	97	75	32	SOMT08T306	M2.5	T8	
SO25.5-3D-C32-08	25.5	159	60	99	76.5	32	SOMT08T306	M2.5	T8	
SO26-3D-C32-08	26	159	60	99	78	32	SOMT08T306	M2.5	T8	
SO26.5-3D-C32-09	26.5	164	60	104	79.5	32	SOMT09T308	M3.5	T15	
SO27-3D-C32-09	27	164	60	104	81	32	SOMT09T308	M3.5	T15	
SO27.5-3D-C32-09	27.5	167	60	107	82.5	32	SOMT09T308	M3.5	T15	
SO28-3D-C32-09	28	167	60	107	84	32	SOMT09T308	M3.5	T15	
SO28.5-3D-C32-09	28.5	170	60	110	85.5	32	SOMT09T308	M3.5	T15	
SO29-3D-C32-09	29	170	60	110	87	32	SOMT09T308	M3.5	T15	
SO29.5-3D-C32-09	29.5	173	60	113	88.5	32	SOMT09T308	M3.5	T15	
SO30-3D-C32-09	30	173	60	113	90	32	SOMT09T308	M3.5	T15	
SO30.5-3D-C32-09	30.5	176	60	116	91.5	32	SOMT09T308	M3.5	T15	
SO31-3D-C32-09	31	176	60	116	93	32	SOMT09T308	M3.5	T15	
SO32-3D-C32-11	32	179	60	119	96	32	SOMT11T308	M3.5	T15	
SO33-3D-C32-11	33	182	60	122	99	32	SOMT11T308	M3.5	T15	
SO34-3D-C32-11	34	185	60	125	102	32	SOMT11T308	M3.5	T15	
SO35-3D-C32-11	35	188	60	128	105	32	SOMT11T308	M3.5	T15	
SO36-3D-C32-11	36	191	60	131	108	32	SOMT11T308	M3.5	T15	
SO37-3D-C32-11	37	199	60	139	111	32	SOMT11T308	M4.0	T15	
SO38-3D-C32-13	38	202	60	142	114	32	SOMT130408	M4.0	T15	
SO39-3D-C32-13	39	205	60	145	117	32	SOMT130408	M4.0	T15	
SO40-3D-C32-13	40	208	60	148	120	32	SOMT130408	M4.0	T15	
SO41-3D-C32-13	41	211	60	151	123	32	SOMT130408	M4.0	T15	
SO42-3D-C40-13	42	224	70	154	126	40	SOMT130408	M4.0	T15	
SO43-3D-C40-13	43	227	70	157	129	40	SOMT130408	M4.0	T15	
SO44-3D-C40-15	44	237	70	167	132	40	SOMT150510	M5.0	T20	
SO45-3D-C40-15	45	240	70	170	135	40	SOMT150510	M5.0	T20	
SO46-3D-C40-15	46	243	70	173	138	40	SOMT150510	M5.0	T20	
SO47-3D-C40-15	47	246	70	176	141	40	SOMT150510	M5.0	T20	
SO48-3D-C40-15	48	249	70	179	144	40	SOMT150510	M5.0	T20	
SO49-3D-C40-15	49	252	70	182	147	40	SOMT150510	M5.0	T20	
SO50-3D-C40-15	50	250	70	180	150	40	SOMT150510	M5.0	T20	

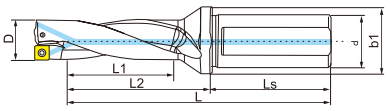
SO钻头

SO series 4D indexable dril

公差：0~ ± 0.15mm

Tolerance





Dx4

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	Ls	L2	L1	d				
SO12-4D-C20-04	12	118	50	68	48	20	SOMT040204	M2.0	T6	
SO12.5-4D-C20-04	12.5	122	50	72	50	20	SOMT040204	M2.0	T6	
SO13-4D-C20-04	13	122	50	72	52	20	SOMT040204	M2.0	T6	
SO13.5-4D-C20-04	13.5	124	50	74	54	20	SOMT040204	M2.0	T6	
SO14-4D-C20-05	14	124	50	74	56	20	SOMT050204	M2.0	T6	
SO14.5-4D-C20-05	14.5	129	50	79	58	20	SOMT050204	M2.0	T6	
SO15-4D-C20-05	15	129	50	79	60	20	SOMT050204	M2.0	T6	
SO15.5-4D-C20-05	15.5	134	50	84	62	20	SOMT050204	M2.0	T6	
SO16-4D-C20-05	16	134	50	84	64	20	SOMT050204	M2.0	T6	
SO16.5-4D-C25-06	16.5	144	56	88	66	25	SOMT060204	M2.2	T7	
SO17-4D-C25-06	17	144	56	88	68	25	SOMT060204	M2.2	T7	
SO17.5-4D-C25-06	17.5	149	56	93	70	25	SOMT060204	M2.2	T7	
SO18-4D-C25-06	18	149	56	93	72	25	SOMT060204	M2.2	T7	
SO18.5-4D-C25-06	18.5	153	56	97	74	25	SOMT060204	M2.2	T7	
SO19-4D-C25-06	19	153	56	97	76	25	SOMT060204	M2.2	T7	
SO19.5-4D-C25-07	19.5	159	56	103	78	25	SOMT070306	M2.2	T7	
SO20-4D-C25-07	20	159	56	103	80	25	SOMT070306	M2.2	T7	
SO20.5-4D-C25-07	20.5	163	56	107	82	25	SOMT070306	M2.2	T7	
SO21-4D-C25-07	21	163	56	107	84	25	SOMT070306	M2.2	T7	
SO21.5-4D-C25-07	21.5	167	56	111	86	25	SOMT070306	M2.2	T7	
SO22-4D-C25-07	22	167	56	111	88	25	SOMT070306	M2.2	T7	
SO22.5-4D-C25-08	22.5	170	56	114	90	25	SOMT08T306	M2.5	T8	
SO23-4D-C25-08	23	170	56	114	92	25	SOMT08T306	M2.5	T8	
SO23.5-4D-C25-08	23.5	174	56	118	94	25	SOMT08T306	M2.5	T8	
SO24-4D-C25-08	24	174	56	118	96	25	SOMT08T306	M2.5	T8	
SO24.5-4D-C25-08	24.5	178	56	122	98	25	SOMT08T306	M2.5	T8	
SO25-4D-C32-08	25	178	56	122	100	32	SOMT08T306	M2.5	T8	
SO25.5-4D-C32-08	25.5	185	60	125	102	32	SOMT08T306	M2.5	T8	
SO26-4D-C32-08	26	185	60	125	104	32	SOMT08T306	M2.5	T8	
SO26.5-4D-C32-09	26.5	191	60	131	106	32	SOMT09T308	M3.5	T10	
SO27-4D-C32-09	27	191	60	131	108	32	SOMT09T308	M3.5	T10	
SO27.5-4D-C32-09	27.5	195	60	135	110	32	SOMT09T308	M3.5	T10	
SO28-4D-C32-09	28	195	60	135	112	32	SOMT09T308	M3.5	T10	
SO28.5-4D-C32-09	28.5	199	60	139	114	32	SOMT09T308	M3.5	T10	
SO29-4D-C32-09	29	199	60	139	116	32	SOMT09T308	M3.5	T10	
SO29.5-4D-C32-09	29.5	203	60	143	118	32	SOMT09T308	M3.5	T10	
SO30-4D-C32-09	30	203	60	143	120	32	SOMT09T308	M3.5	T10	
SO30.5-4D-C32-09	30.5	207	60	147	122	32	SOMT09T308	M3.5	T10	
SO31-4D-C32-09	31	207	60	147	124	32	SOMT09T308	M3.5	T10	
SO32-4D-C32-11	32	211	60	151	128	32	SOMT11T308	M3.5	T10	
SO33-4D-C32-11	33	215	60	155	132	32	SOMT11T308	M3.5	T10	
SO34-4D-C32-11	34	219	60	159	136	32	SOMT11T308	M3.5	T10	
SO35-4D-C32-11	35	223	60	163	140	32	SOMT11T308	M3.5	T10	
SO36-4D-C32-11	36	227	60	167	144	32	SOMT11T308	M3.5	T10	
SO37-4D-C32-11	37	236	60	176	148	32	SOMT11T308	M4.0	T15	
SO38-4D-C32-13	38	240	60	180	152	32	SOMT130408	M4.0	T15	
SO39-4D-C32-13	39	244	60	184	156	32	SOMT130408	M4.0	T15	
SO40-4D-C32-13	40	248	60	188	160	32	SOMT130408	M4.0	T15	
SO41-4D-C32-13	41	252	60	192	164	32	SOMT130408	M4.0	T15	
SO42-4D-C40-13	42	266	70	196	168	40	SOMT130408	M4.0	T15	
SO43-4D-C40-13	43	270	70	200	172	40	SOMT130408	M4.0	T15	
SO44-4D-C40-15	44	281	70	211	176	40	SOMT150510	M5.0	T20	
SO45-4D-C40-15	45	285	70	215	180	40	SOMT150510	M5.0	T20	
SO46-4D-C40-15	46	289	70	219	184	40	SOMT150510	M5.0	T20	
SO47-4D-C40-15	47	293	70	223	188	40	SOMT150510	M5.0	T20	
SO48-4D-C40-15	48	297	70	227	192	40	SOMT150510	M5.0	T20	
SO49-4D-C40-15	49	301	70	231	196	40	SOMT150510	M5.0	T20	
SO50-4D-C40-15	50	305	70	235	200	40	SOMT150510	M5.0	T20	

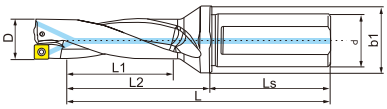
SO钻头

SO series 5D indexable dril

公差：0~±0.15mm

Tolerance





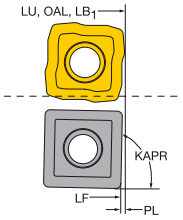
Dx5

型 号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	Ls	L_2	L_1	d				
SO12-5D-C20-04	12	130	50	80	60	20	SOMT040204	M2.0	T6	
SO12.5-5D-C20-04	12.5	135	50	85	62.5	20	SOMT040204	M2.0	T6	
SO13-5D-C20-04	13	135	50	85	65	20	SOMT040204	M2.0	T6	
SO13.5-5D-C20-04	13.5	138	50	88	67.5	20	SOMT040204	M2.0	T6	
SO14-5D-C20-05	14	138	50	88	70	20	SOMT050204	M2.0	T6	
SO14.5-5D-C20-05	14.5	144	50	94	72.5	20	SOMT050204	M2.0	T6	
SO15-5D-C20-05	15	144	50	94	75	20	SOMT050204	M2.0	T6	
SO15.5-5D-C20-05	15.5	150	50	100	77.5	20	SOMT050204	M2.0	T6	
SO16-5D-C20-05	16	150	50	100	80	20	SOMT050204	M2.0	T6	
SO16.5-5D-C25-06	16.5	161	56	105	82.5	25	SOMT060204	M2.2	T7	
SO17-5D-C25-06	17	161	56	105	85	25	SOMT060204	M2.2	T7	
SO17.5-5D-C25-06	17.5	167	56	111	87.5	25	SOMT060204	M2.2	T7	
SO18-5D-C25-06	18	167	56	111	90	25	SOMT060204	M2.2	T7	
SO18.5-5D-C25-06	18.5	172	56	116	92.5	25	SOMT060204	M2.2	T7	
SO19-5D-C25-06	19	172	56	116	95	25	SOMT060204	M2.2	T7	
SO19.5-5D-C25-07	19.5	179	56	123	97.5	25	SOMT070306	M2.2	T7	
SO20-5D-C25-07	20	179	56	123	100	25	SOMT070306	M2.2	T7	
SO20.5-5D-C25-07	20.5	184	56	128	102.5	25	SOMT070306	M2.2	T7	
SO21-5D-C25-07	21	184	56	128	105	25	SOMT070306	M2.2	T7	
SO21.5-5D-C25-07	21.5	189	56	133	107.5	25	SOMT070306	M2.2	T7	
SO22-5D-C25-07	22	189	56	133	110	25	SOMT070306	M2.2	T7	
SO22.5-5D-C25-08	22.5	193	56	137	112.5	25	SOMT08T306	M2.5	T8	
SO23-5D-C25-08	23	193	56	137	115	25	SOMT08T306	M2.5	T8	
SO23.5-5D-C25-08	23.5	198	56	142	117.5	25	SOMT08T306	M2.5	T8	
SO24-5D-C25-08	24	198	56	142	120	25	SOMT08T306	M2.5	T8	
SO24.5-5D-C25-08	24.5	203	56	147	122.5	25	SOMT08T306	M2.5	T8	
SO25-5D-C32-08	25	203	56	147	125	32	SOMT08T306	M2.5	T8	
SO25.5-5D-C32-08	25.5	211	60	151	127.5	32	SOMT08T306	M2.5	T8	
SO26-5D-C32-08	26	211	60	151	130	32	SOMT08T306	M2.5	T8	
SO26.5-5D-C32-09	26.5	218	60	158	132.5	32	SOMT09T308	M3.5	T15	
SO27-5D-C32-09	27	218	60	158	135	32	SOMT09T308	M3.5	T15	
SO27.5-5D-C32-09	27.5	223	60	163	137.5	32	SOMT09T308	M3.5	T15	
SO28-5D-C32-09	28	223	60	163	140	32	SOMT09T308	M3.5	T15	
SO28.5-5D-C32-09	28.5	228	60	168	142.5	32	SOMT09T308	M3.5	T15	
SO29-5D-C32-09	29	228	60	168	145	32	SOMT09T308	M3.5	T15	
SO29.5-5D-C32-09	29.5	233	60	173	147.5	32	SOMT09T308	M3.5	T15	
SO30-5D-C32-09	30	233	60	173	150	32	SOMT09T308	M3.5	T15	
SO30.5-5D-C32-09	30.5	238	60	178	152.5	32	SOMT09T308	M3.5	T15	
SO31-5D-C32-09	31	238	60	178	155	32	SOMT09T308	M3.5	T15	
SO32-5D-C32-11	32	243	60	183	160	32	SOMT11T308	M3.5	T15	
SO33-5D-C32-11	33	248	60	188	165	32	SOMT11T308	M3.5	T15	
SO34-5D-C32-11	34	253	60	193	170	32	SOMT11T308	M3.5	T15	
SO35-5D-C32-11	35	258	60	198	175	32	SOMT11T308	M3.5	T15	
SO36-5D-C32-11	36	263	60	203	180	32	SOMT11T308	M3.5	T15	
SO37-5D-C32-11	37	273	60	213	185	32	SOMT11T308	M4.0	T15	
SO38-5D-C32-13	38	278	60	218	190	32	SOMT130408	M4.0	T15	
SO39-5D-C32-13	39	283	60	223	195	32	SOMT130408	M4.0	T15	
SO40-5D-C32-13	40	288	60	228	200	32	SOMT130408	M4.0	T15	
SO41-5D-C32-13	41	293	60	233	205	32	SOMT130408	M4.0	T15	
SO42-5D-C40-13	42	308	70	238	210	40	SOMT130408	M4.0	T15	
SO43-5D-C40-13	43	313	70	243	215	40	SOMT130408	M4.0	T15	
SO44-5D-C40-15	44	325	70	255	220	40	SOMT150510	M5.0	T20	
SO45-5D-C40-15	45	330	70	260	225	40	SOMT150510	M5.0	T20	
SO46-5D-C40-15	46	335	70	265	230	40	SOMT150510	M5.0	T20	
SO47-5D-C40-15	47	340	70	270	235	40	SOMT150510	M5.0	T20	
SO48-5D-C40-15	48	345	70	275	240	40	SOMT150510	M5.0	T20	
SO49-5D-C40-15	49	350	70	280	245	40	SOMT150510	M5.0	T20	
SO50-5D-C40-15	50	355	70	285	250	40	SOMT150510	M5.0	T20	

880刀片系列
880 Insert series

内刃刀片 Inner edge insert



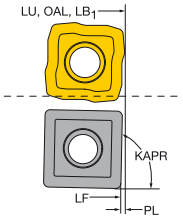


- 通用加工

型号 Cat.No	尺寸（mm） Dimension				钻削范围 Drilling range
	KAPR	PL	LF	LU, OAL, LB_1	
880–010203N					12.0~13.5
020204N					14.0~16.0
030305N					16.5~19.5
040305N					20.0~23.5
050305N					24.0~29.5
060406N					30.0~35.0
070406N					36.0~43.0
080508N					44.0~52.0
090608N					53.0~63.0

外刃刀片 Outer edge insert





- 通用加工

型号 Cat.No	尺寸（mm） Dimension				钻削范围 Drilling range
	KAPR	PL	LF	LU, OAL, LB_1	
880–010203E					12.0~13.5
020204E					14.0~16.0
030305E					16.5~19.5
040305E					20.0~23.5
050305E					24.0~29.5
060406E					30.0~35.0
070406E					36.0~43.0
080508E					44.0~52.0
090608E					53.0~63.0

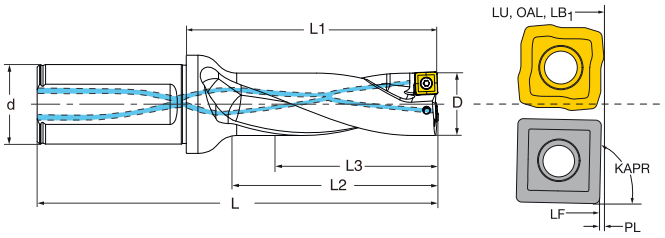
880系列 快速钻头 3倍长

880 series 3D indexable drill

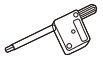
公差：0~ ± 0.15mm

Tolerance





Dx3

型 号 Cat.No	尺寸（mm） Dimension						内刃刀片 Inner edge insert	外刃刀片 Outer edge insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d					
880-12-3D-C20	12	122	66	41	36	20	880-010203N	880-010203E	M1.8x4.2	T6	
880-12.5-3D-C25	12.5	123.5	67.5	42.5	37.5	20					
880-13-3D-C25	13	125	69	44	39						
880-13.5-3D-C25	13.5	126.5	70.5	45.5	40.5						
880-14-3D-C25	14	128	72	47	42	25	880-020204N	880-020204E	M1.8x4.2	T6	
880-14.5-3D-C25	14.5	129.5	73.5	48.5	43.5						
880-15-3D-C25	15	131	75	50	45						
880-15.5-3D-C25	15.5	132.5	76.5	51.5	46.5						
880-16-3D-C25	16	134	78	53	48						
880-16.5-3D-C25	16.5	135.5	79.5	54.5	49.5	25	880-030305N	880-030305E	M2.0x5	T6	
880-17-3D-C25	17	137	81	56	51						
880-17.5-3D-C25	17.5	138.5	82.5	57.5	52.5						
880-18-3D-C25	18	140	84	59	54						
880-18.5-3D-C25	18.5	141.5	85.5	60.5	55.5						
880-19-3D-C25	19	143	87	62	57						
880-19.5-3D-C25	19.5	144.5	88.5	63.5	58.5						
880-20-3D-C25	20	146	90	65	60	25	880-040305N	880-040305E	M2.2x5	T7	
880-20.5-3D-C25	20.5	147.5	91.5	66.5	61.5						
880-21-3D-25	21	158	98	68	63	25					
880-21.5-3D-25	21.5	159.5	99.5	69.5	64.5						
880-22-3D-25	22	161	101	71	66						
880-22.5-3D-25	22.5	162.5	102.5	72.5	67.5						
880-23-3D-25	23	164	104	74	69						
880-23.5-3D-25	23.5	165.5	105.5	75.5	70.5						
880-24-3D-25	24	167	107	77	72	25	880-050305N	880-050305E	M2.5x6	T8	
880-24.5-3D-25	24.5	168.5	108.5	78.5	73.5						
880-25-3D-C32	25	170	110	80	75	32					
880-25.5-3D-C32	25.5	171.5	111.5	81.5	76.5						
880-26-3D-C32	26	173	113	83	78						
880-26.5-3D-C32	26.5	174.5	114.5	84.5	79.5						
880-27-3D-C32	27	176	116	86	81						
880-27.5-3D-C32	27.5	177.5	117.5	87.5	82.5						
880-28-3D-C32	28	179	119	89	84						
880-28.5-3D-C32	28.5	180.5	120.5	90.5	85.5						
880-29-3D-C32	29	182	121	92	87						
880-29.5-3D-C32	29.5	183.5	122.5	93.5	88.5						

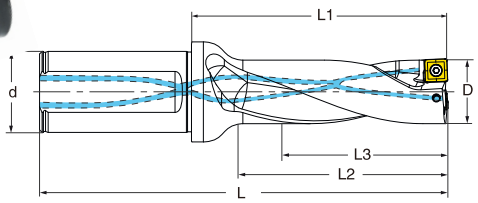
880系列 快速钻头 3倍长

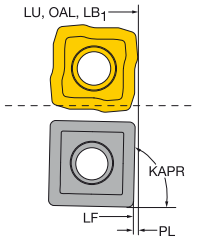
880 series 3D indexable drill

公差：0~ ± 0.15mm

Tolerance



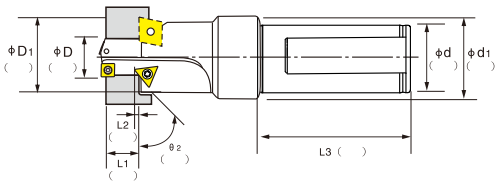


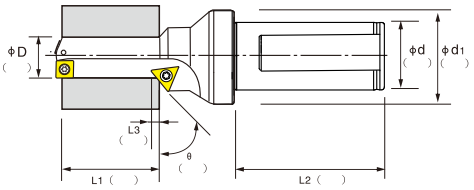


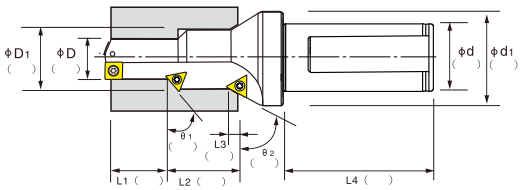
Dx3

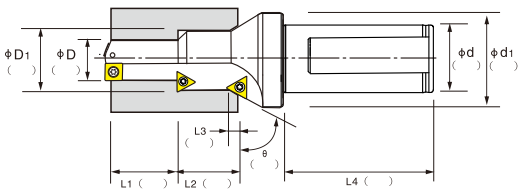
型 号 Cat.No	尺寸（mm） Dimension						内刃刀片 Inner edge insert	外刃刀片 Outer edge insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d					
880–30–3D–C32	30	185	125	95	90	32	880–060406N	880–060406E	M3.5x8	T15	
880–30.5–3D–C32	30.5	186.5	126.5	96.5	91.5						
880–31–3D–C32	31	188	128	98	93						
880–31.5–3D–C32	31.5	189.5	129.5	99.5	94.5						
880–32–3D–C32	32	191	131	101	96						
880–33–3D–C32	33	194	134	104	99						
880–34–3D–C32	34	197	137	107	102						
880–35–3D–C32	35	200	140	110	105						
880–36–3D–C32	36	203	143	113	108	32	880–070406N	880–070406E	M5.0x11	T20	
880–37–3D–C32	37	206	146	116	111						
880–38–3D–C32	38	209	149	119	114						
880–39–3D–C32	39	212	152	122	117						
880–40–3D–C32	40	215	155	125	120						
880–41–3D–C32	41	218	158	128	123						
880–42–3D–C32	42	221	161	131	126	40	880–080508N	880–080508E	M6.0x14.2	T25	
880–43–3D–C40	43	239	169	134	129						
880–44–3D–C40	44	242	172	137	132						
880–45–3D–C40	45	245	175	140	135						
880–46–3D–C40	46	248	178	143	138						
880–47–3D–C40	47	251	181	146	141						
880–48–3D–C40	48	254	184	149	144						
880–49–3D–C40	49	257	187	152	147						
880–50–3D–C40	50	260	190	155	150						
880–51–3D–C40	51	263	193	158	153						
880–52–3D–C40	52	266	196	161	156						
880–53–3D–C40	53	269	199	164	159	40	880–090608N	880–090608E	M6.0x14.2	T30	
880–54–3D–C40	54	272	202	167	162						
880–55–3D–C40	55	275	205	170	165						
880–56–3D–C40	56	278	208	173	168						
880–57–3D–C40	57	281	211	176	171						
880–58–3D–C40	58	284	214	179	174						
880–59–3D–C40	59	287	217	182	177						
880–60–3D–C40	60	290	220	185	180						
880–61–3D–C40	61	293	223	188	183						
880–62–3D–C40	62	296	226	191	186						
880–63–3D–C40	63	299	229	194	189						

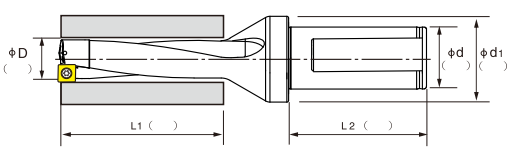
特殊钻头地订货单 Custom cards for special drill bits











冷却系统 Cooling system

- 内冷型（标准型）
- Internal cooling Regular
- 没有内冷 Without internal cooling

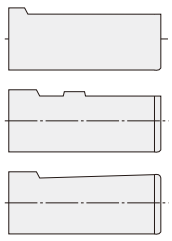


钻孔类型 Type of hole drilled

- 盲孔 Blind hole
- 通孔 Through Hole

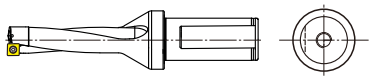
刀柄类型 Type of tool holder

- 平面型
- 韦尔登型
- 惠氏哨口型

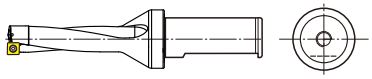


侧固平面类型 Side fixed plane type

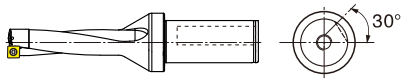
- 外周切削到平行 标准型



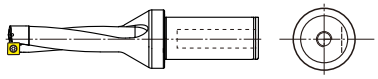
- 和外周切削刃成90° （标准型）



- 和外周切削刃成180° （标准型）



- 和外周切削刃成150°



注意事项

- 现在使用刀具
- 现在切削条件：
  –RPM或速度VC(m/min):
  –每分进给vf(mm/min)或每转进给（mm/rev):
  –孔深（mm):
- 标准刀具寿命：
- 加工中心
  –普通车床：
  –通用机床：
  –CNC车床：

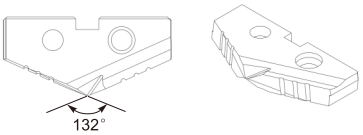
铲钻刀片-高速钢TiN涂层

Replaceable drill tips--HSS TiN coating

合金TiN涂层

Carobide TiN coating





Y,Z,O系列尺寸

系列号 最小~最大 (Min~Max)	直径 Diameter			厚度 Thickness
	英制 (inch)	公制 (mm)	十进制 (inch)	mm(inch)
Y 9.50 (.374") to 11.07 (.436")		9.50	.3740"	2.4 (3/32")
	3/8"	9.53	.3750"	
		9.80	.3860"	
	25/64"	9.92	.3906"	
		10.00	.3937"	
		10.20	.4016"	
	13/32"	10.32	.4063"	
		10.50	.4134"	
	27/64"	10.72	.4219"	
		10.80	.4252"	
		11.00	.4331"	
Z 11.11 (.437) to 12.95 (.510")	7/16"	11.11	.4375"	2.4 (3/32")
		11.50	.4528"	
	29/64"	11.51	.4531"	
	15/32"	11.91	.4688"	
		12.00	.4724"	
	31/64"	12.30	.4844"	
		12.50	.4921"	
	1/2"	12.70	.5000"	
O 12.98 (.511") to 17.65 (.695")		13.00	.5118"	3.2 (1/8")
	33/64"	13.10	.5156"	
	17/32"	13.49	.5313"	
		13.50	.5315"	
	35/64"	13.89	.5469"	
		14.00	.5512"	
	9/16"	14.29	.5625"	
		14.50	.5709"	
	37/64"	14.68	.5781"	
		15.00	.5906"	
	19/32"	15.08	.5938"	
	39/64"	15.48	.6094"	
		15.50	.6102"	
	5/8"	15.88	.6250"	
		16.00	.6299"	
	41/64"	16.27	.6406"	
		16.50	.6496"	
	21/32"	16.67	.6563"	
		17.00	.6693"	
	43/64"	17.07	.6719"	
	11/16"	17.46	.6875"	
		17.50	.6890"	

1,2 系列尺寸

系列号 最小~最大 (Min~Max)	直径 Diameter			厚度 Thickness
	英制 (inch)	公制 (mm)	十进制 (inch)	mm(inch)
1 1 17.53 (.690") to 24.38 (.960")	45/64"	17.86	.7031"	4.0 (5/32")
		18.00	.7087"	
	23/32"	18.26	.7188"	
		18.50	.7283"	
	47/64"	18.65	.7344"	
		19.00	.7480"	
	3/4"	19.05	.7500"	
	49/64"	19.45	.7656"	
		19.50	.7677"	
	25/32"	19.84	.7813"	
		20.00	.7874"	
	51/64"	20.24	.7969"	
		20.50	.8071"	
	13/16"	20.64	.8125"	
		21.00	.8268"	
	27/32"	21.43	.8438"	
	55/64"	21.83	.8594"	
		22.00	.8661"	
	7/8"	22.23	.8750"	
	57/64"	22.62	.8906"	
		23.00	.9055"	
	29/32"	23.02	.9063"	
	59/64"	23.42	.9219"	
	15/16"	23.81	.9375"	
		24.00	.9449"	
2 24.41 (.961") to 35.05 (1.380)	31/32"	24.61	.9688"	4.8 (3/16")
	63/64"	25.00	.9843"	
	1"	25.40	1.0000"	
	1-1/64"	25.80	1.0156"	
		26.00	1.0236"	
	1-1/32"	26.19	1.0313"	
	1-3/64"	26.59	1.0469"	
	1-1/16"	26.99	1.0625"	
		27.00	1.0630"	
	1-3/32"	27.78	1.0938"	
		28.00	1.1024"	
	1-7/64"	28.18	1.1094"	
	1-1/8"	28.58	1.1250"	
		29.00	1.1417"	
	1-5/32"	29.37	1.1563"	
		30.00	1.1811"	
	1-3/16"	30.16	1.1875"	
	1-7/32"	30.96	1.2188"	
		31.00	1.2205"	
	1-1/4"	31.75	1.2500"	
		32.00	1.2598"	
	1-9/32"	32.54	1.2813"	
		33.00	1.2992"	
	1-5/16"	33.34	1.3125"	
		34.00	1.3386"	
	1-11/32"	34.13	1.3438"	
	1-3/8"	34.93	1.3750"	
		35.00	1.3780"	

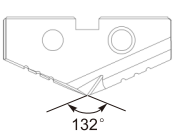
铲钻刀片-高速钢TiN涂层

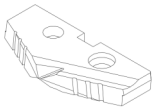
Replaceable drill tips--HSS TiN coating

合金TiN涂层

Carobide TiN coating







3 系列尺寸

系列号 最小~最大 (Min~Max)	直径 Diameter			厚度 Thickness
	英制 (inch)	公制 (mm)	十进制 (inch)	mm(inch)
3 34.37 (1.353") to 47.80 (1.882")	1-13/32"	35.72	1.4063"	6.4 (1/4")
		36.00	1.4173"	
	1-7/16"	36.51	1.4375"	
		37.00	1.4567"	
	1-15/32"	37.31	1.4688"	
		38.00	1.4961"	
	1-1/2"	38.10	1.5000"	
	1-17/32"	38.89	1.5313"	
		39.00	1.5354"	
	1-9/16"	39.69	1.5625"	
		40.00	1.5748"	
	1-19/32"	40.48	1.5938"	
		41.00	1.6142"	
	1-5/8"	41.28	1.6250"	
		42.00	1.6535"	
	1-21/32"	42.07	1.6563"	
	1-11/16"	42.86	1.6875"	
		43.00	1.6929"	
	1-23/32"	43.66	1.7188"	
		44.00	1.7323"	
	1-3/4"	44.45	1.7500"	
		45.00	1.7717"	
	1-25/32"	45.24	1.7813"	
		46.00	1.8110"	
	1-13/16"	46.04	1.8125"	
	1-27/32"	46.83	1.8438"	
		47.00	1.8504"	
	1-7/8"	47.63	1.8750"	

4 系列尺寸

系列号 最小~最大 (Min~Max)	直径 Diameter			厚度 Thickness
	英制 (inch)	公制 (mm)	十进制 (inch)	mm(inch)
4 46.99 (1.850") to 65.28 (2.5707)		48.00	1.8898"	7.9 (5/16")
	1-29/32"	48.42	1.9063"	
		49.00	1.9291"	
	1-15/16"	49.21	1.9375"	
		50.00	1.9685"	
	1-31/32"	50.01	1.9688"	
	2"	50.80	2.0000"	
		51.00	2.0079"	
	2-1/32"	51.59	2.0313"	
	2-3/64"	52.00	2.0472"	
	2-1/16"	52.39	2.0625"	
		53.00	2.0866"	
	2-3/32"	53.18	2.0938"	
	2-1/8"	53.98	2.1250"	
		54.00	2.1260"	
	2-5/32"	54.79	2.1563"	
		55.00	2.1654"	
	2-3/16"	55.56	2.1875"	
		56.00	2.2047"	
	2-7/32"	56.36	2.2188"	
		57.00	2.2441"	
	2-1/4"	57.15	2.2500"	
	2-9/32"	57.94	2.2813"	
		58.00	2.2835"	
	2-5/16"	58.74	2.3125"	
		59.00	2.3228"	
	2-11/32"	59.53	2.3438"	
		60.00	2.3622"	
	2-3/8"	60.33	2.3750"	
		61.00	2.4016"	
	2-13/32"	61.12	2.4063"	
	2-7/16"	61.91	2.4375"	
		62.00	2.4409"	
	2-15/32"	62.71	2.4688"	
		63.00	2.4803"	
	2-1/2"	63.50	2.5000"	
		64.00	2.5197"	
	2-17/32"	64.29	2.5313"	
		65.00	2.5591"	
	2-9/16"	65.09	2.5625"	

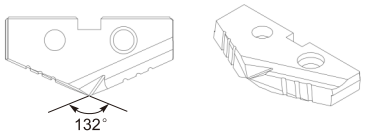
铲钻刀片-高速钢TiN涂层

Replaceable drill tips--HSS TiN coating

合金TiN涂层

Carobide TiN coating





5,6 系列尺寸

系列号 最小~最大 (Min~Max)	直径 Diameter			厚度 Thickness
	英制 (inch)	公制 (mm)	十进制 (inch)	mm(inch)
5 62.38 (2.456") to 76.20 (3.000")	2-1/2"	63.50	2.5000"	11.1 (7/16")
		64.00	2.5197"	
	2-17/32"	64.29	2.5313"	
	2-9/16"	65.09	2.5625"	
	2-19/32"	65.88	2.5938"	
		66.0o	2.5984"	
	2-5/8"	66.68	2.6250"	
	2-21/32"	67.47	2.6563"	
		68.00	2.6772"	
	2-11/16"	68.26	2.6875"	
	2-23/32"	69.05	2.7188"	
	2-3/4"	69.85	2.7500"	
		70.00	2.7559"	
	2-25/32"	70.64	2.7813"	
	2-13/16"	71.44	2.8125"	
		72.00	2.8346"	
	2-27/32"	72.23	2.8438"	
	2-7/8*	73.03	2.8750"	
	2-29/32"	73.82	2.9063"	
		74.00	2.9134"	
	2-15/16"	74.61	2.9375"	
	2-31/32"	75.41	2.9688"	
		76.00	2.9921"	
	3"	76.20	3.0000"	
6 76.23 (3.001") to 89.08 (3.507")	3-1/32"	76.99	3.0313"	3.175 (7/16")
	3-1/16"	77.79	3.0625"	
		78.00	3.0709"	
	3-3/32"	78.58	3.0938"	
	3-1/8"	79.38	3.1250"	
		80.00	3.1496"	
	3-5/32"	80.17	3.1563"	
	3-3/16"	80.96	3.1875"	
	3-7/32"	81.76	3.2188"	
		82.00	3.2283"	
	3-1/4"	82.55	3.2500"	
	3-9/32"	83.34	3.2813"	
		84.00	3.3071"	
	3-5/16"	84.14	3.3125"	
	3-11/32"	84.93	3.3438"	
	3-3/8"	85.73	3.3750"	
		86.00	3.3858"	
	3-13/32"	86.52	3.4063"	
	3-7/16"	87.31	3.4375"	
		88.00	3.4646"	
	3-15/32"	88.11	3.4688"	
	3-1/2"	88.90	3.5000"	

7,8 系列尺寸

系列号 最小~最大 (Min~Max)	直径 Diameter			厚度 Thickness
	英制 (inch)	公制 (mm)	十进制 (inch)	mm(inch)
7 87.76 (3.455") to 101.60 (4.000")	3-17/32"	89.69	3.5313"	11.1 (7/16")
		90.00	3.5433"	
	3-9/16"	90.49	3.5625"	
	3-19/32"	91.28	3.5938"	
		92.00	3.6221"	
	3-5/8"	92.08	3.6250"	
	3-21/32"	92.87	6.6563"	
	3-11/16"	93.66	3.6875"	
		94.00	3.7008"	
	3-23/32"	94.46	3.7188"	
	3-3/4"	95.25	3.7500"	
		96.00	3.7795"	
	3-25/32"	96.04	3.7813"	
	3-13/16"	96.84	3.8125""	
	3-27/32"	97.63	3.8438"	
		98.00	3.8583"	
	3-7/8"	98.43	3.8750"	
	3-29/32"	99.22	3.9063"	
		100.00	3.9370"	
	3-15/16"	100.01	3.9375"	
	3-31/32"	100.81	3.9688"	
	4"	101.60	4.0000"	
8 101.63 (4.001") to 114.48 (4.507")	4-1/64"	102.00	4.0157"	11.1 (7/16")
	4-1/16"	103.19	4.0625"	
	4-3/32"	104.00	4.0945"	
	4-1/8"	104.78	4.1250"	
		106.00	4.1732"	
	4-3/16"	106.36	4.1875"	
	4-1/4"	107.95	4.2500"	
		108.00	4.2520"	
	4-5/16"	109.54	4.3125"	
		110.00	4.3307"	
	4-3/8"	111.13	4.3750"	
		112.00	4.4094"	
	4-7/16"	112.71	4.4375"	
		114.00	4.4882"	
	4-1/2"	114.30	4.5000"	

CR铲钻切削数据参考表





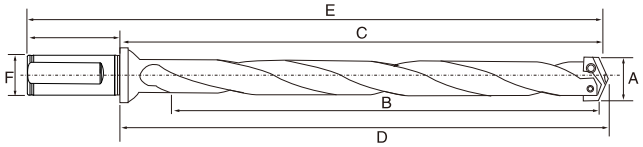

	公制(mm)	TiN HSS(M4) 高速钢	TiN SUPER-HSS(T-15) 粉末高速钢	TiN CARBIDE(合金)	TiCN HSS(M4) 高速钢	TiCN SUPER-HSS(T-15) 粉末高速钢	TiCN CARBIDE(合金)	TiALN HSS(M4)	TiALN SUPER-HSS(T-15)	TiALN CARBIDE(合金)	ALTiN HSS(M4)	ALTiN SUPER-HSS(T-15)	ALTiN CARBIDE(合金)
Y	9.5		T15-095	CR-095		T15C-095	CRC-095		T15A-095	CRA-095		T15i-095	CRi-095
	10.00		T15-100	CR-100		T15C-100	CRC-100		T15A-100	CRA-100		T15i-100	CRi-100
	10.50		T15-105	CR-105		T15C-105	CRC-105		T15A-105	CRA-105		T15i-105	CRi-105
	11.00		T15-110	CR-110		T15C-110	CRC-110		T15A-110	CRA-110		T15i-110	CRi-110
Z	11.50		T15Z-115	CR-115		T15ZC-115	CRC-115		T15ZA-115	CRA-115		T15Zi-115	CRi-115
	12.00		T15Z-120	CR-120		T15ZC-120	CRC-120		T15ZA-120	CRA-120		T15Zi-120	CRi-120
	12.50		T15Z-125	CR-125		T15ZC-125	CRC-125		T15ZA-125	CRA-125		T15Zi-125	CRi-125
0	13.00		T150-130	CR-130		T150C-130	CRC-130		T150A-130	CRA-130		T150i-130	CRi-130
	13.50		T150-135	CR-135		T150C-135	CRC-135		T150A-135	CRA-135		T150i-135	CRi-135
	14.00		T150-140	CR-140		T150C-140	CRC-140		T150A-140	CRA-140		T150i-140	CRi-140
	14.50		T150-145	CR-145		T150C-145	CRC-145		T150A-145	CRA-145		T150i-145	CRi-145
	15.00		T150-150	CR-150		T150C-150	CRC-150		T150A-150	CRA-150		T150i-150	CRi-150
	15.50		T150-155	CR-155		T150C-155	CRC-155		T150A-155	CRA-155		T150i-155	CRi-155
	16.00		T150-160	CR-160		T150C-160	CRC-160		T150A-160	CRA-160		T150i-160	CRi-160
	16.50		T150-165	CR-165		T150C-165	CRC-165		T150A-165	CRA-165		T150i-165	CRi-165
	17.00		T150-170	CR-170		T150C-170	CRC-170		T150A-170	CRA-170		T150i-170	CRi-170
	17.50		T150-175	CR-175		T150C-175	CRC-175		T150A-175	CRA-175		T150i-175	CRi-175
1	18.00	M4-180	T151-180	CR-180	M4C-180	T151C-180	CRC-180	M4A-180	T151A-180	CRA-180	M4i-180	T151i-180	CRi-180
	18.50	M4-185	T151-185	CR-185	M4C-185	T151C-185	CRC-185	M4A-185	T151A-185	CRA-185	M4i-185	T151i-185	CRi-185
	19.00	M4-190	T151-190	CR-190	M4C-190	T151C-190	CRC-190	M4A-190	T151A-190	CRA-190	M4i-190	T151i-190	CRi-190
	19.50	M4-195	T151-195	CR-195	M4C-195	T151C-195	CRC-195	M4A-195	T151A-195	CRA-195	M4i-195	T151i-195	CRi-195
	20.00	M4-200	T151-200	CR-200	M4C-200	T151C-200	CRC-200	M4A-200	T151A-200	CRA-200	M4i-200	T151i-200	CRi-200
	20.50	M4-205	T151-205	CR-205	M4C-205	T151C-205	CRC-205	M4A-205	T151A-205	CRA-205	M4i-205	T151i-205	CRi-205
	21.00	M4-210	T151-210	CR-210	M4C-210	T151C-210	CRC-210	M4A-210	T151A-210	CRA-210	M4i-210	T151i-210	CRi-210
	22.00	M4-220	T151-220	CR-220	M4C-220	T151C-220	CRC-220	M4A-220	T151A-220	CRA-220	M4i-220	T151i-220	CRi-220
	23.00	M4-230	T151-230	CR-230	M4C-230	T151C-230	CRC-230	M4A-230	T151A-230	CRA-230	M4i-230	T151i-230	CRi-230
	24.00	M4-240	T151-240	CR-240	M4C-240	T151C-240	CRC-240	M4A-240	T151A-240	CRA-240	M4i-240	T151i-240	CRi-240
2	25.00	M5-250	T152-250	CR-250	M5C-250	T152C-250	CRC-250	M5A-250	T152A-250	CRA-250	M5i-250	T152i-250	CRi-250
	26.00	M5-260	T152-260	CR-260	M5C-260	T152C-260	CRC-260	M5A-260	T152A-260	CRA-260	M5i-260	T152i-260	CRi-260
	27.00	M5-270	T152-270	CR-270	M5C-270	T152C-270	CRC-270	M5A-270	T152A-270	CRA-270	M5i-270	T152i-270	CRi-270
	28.00	M5-280	T152-280	CR-280	M5C-280	T152C-280	CRC-280	M5A-280	T152A-280	CRA-280	M5i-280	T152i-280	CRi-280
	29.00	M5-290	T152-290	CR-290	M5C-290	T152C-290	CRC-290	M5A-290	T152A-290	CRA-290	M5i-290	T152i-290	CRi-290
	30.00	M5-300	T152-300	CR-300	M5C-300	T152C-300	CRC-300	M5A-300	T152A-300	CRA-300	M5i-300	T152i-300	CRi-300
	31.00	M5-310	T152-310	CR-310	M5C-310	T152C-310	CRC-310	M5A-310	T152A-310	CRA-310	M5i-310	T152i-310	CRi-310
	32.00	M5-320	T152-320	CR-320	M5C-320	T152C-320	CRC-320	M5A-320	T152A-320	CRA-320	M5i-320	T152i-320	CRi-320
	33.00	M5-330	T152-330	CR-330	M5C-330	T152C-330	CRC-330	M5A-330	T152A-330	CRA-330	M5i-330	T152i-330	CRi-330
	34.00	M5-340	T152-340	CR-340	M5C-340	T152C-340	CRC-340	M5A-340	T152A-340	CRA-340	M5i-340	T152i-340	CRi-340
	35.00	M5-350	T152-350	CR-350	M5C-350	T152C-350	CRC-350	M5A-350	T152A-350	CRA-350	M5i-350	T152i-350	CRi-350
3	36.00	M6-360	T153-360	CR-360	M6C-360	T153C-360	CRC-360	M6A-360	T153A-360	CRA-360	M6i-360	T153i-360	CRi-360
	37.00	M6-370	T153-370	CR-370	M6C-370	T153C-370	CRC-370	M6A-370	T153A-370	CRA-370	M6i-370	T153i-370	CRi-370
	38.00	M6-380	T153-380	CR-380	M6C-380	T153C-380	CRC-380	M6A-380	T153A-380	CRA-380	M6i-380	T153i-380	CRi-380
	39.00	M6-390	T153-390	CR-390	M6C-390	T153C-390	CRC-390	M6A-390	T153A-390	CRA-390	M6i-390	T153i-390	CRi-390
	40.00	M6-400	T153-400	CR-400	M6C-400	T153C-400	CRC-400	M6A-400	T153A-400	CRA-400	M6i-400	T153i-400	CRi-400
	41.00	M6-410	T153-410	CR-410	M6C-410	T153C-410	CRC-410	M6A-410	T153A-410	CRA-410	M6i-410	T153i-410	CRi-410
	42.00	M6-420	T153-420	CR-420	M6C-420	T153C-420	CRC-420	M6A-420	T153A-420	CRA-420	M6i-420	T153i-420	CRi-420
	43.00	M6-430	T153-430	CR-430	M6C-430	T153C-430	CRC-430	M6A-430	T153A-430	CRA-430	M6i-430	T153i-430	CRi-430
	44.00	M6-440	T153-440	CR-440	M6C-440	T153C-440	CRC-440	M6A-440	T153A-440	CRA-440	M6i-440	T153i-440	CRi-440
	45.00	M6-450	T153-450	CR-450	M6C-450	T153C-450	CRC-450	M6A-450	T153A-450	CRA-450	M6i-450	T153i-450	CRi-450
	46.00	M6-460	T153-460	CR-460	M6C-460	T153C-460	CRC-460	M6A-460	T153A-460	CRA-460	M6i-460	T153i-460	CRi-460
	47.00	M6-470	T153-470	CR-470	M6C-470	T153C-470	CRC-470	M6A-470	T153A-470	CRA-470	M6i-470	T153i-470	CRi-470
4	48.00	M7-480	T154-480		M7C-480	T154C-480		M7A-480	T154A-480		M7i-480	T154i-480	
	49.00	M7-490	T154-490		M7C-490	T154C-490		M7A-490	T154A-490		M7i-490	T154i-490	
	50.00	M7-500	T154-500		M7C-500	T154C-500		M7A-500	T154A-500		M7i-500	T154i-500	
	51.00	M7-510	T154-510		M7C-510	T154C-510		M7A-510	T154A-510		M7i-510	T154i-510	
	52.00	M7-520	T154-520		M7C-520	T154C-520		M7A-520	T154A-520		M7i-520	T154i-520	
	53.00	M7-530	T154-530		M7C-530	T154C-530		M7A-530	T154A-530		M7i-530	T154i-530	
	54.00	M7-540	T154-540		M7C-540	T154C-540		M7A-540	T154A-540		M7i-540	T154i-540	
	55.00	M7-550	T154-550		M7C-550	T154C-550		M7A-550	T154A-550		M7i-550	T154i-550	
	56.00	M7-560	T154-560		M7C-560	T154C-560		M7A-560	T154A-560		M7i-560	T154i-560	
	57.00	M7-570	T154-570		M7C-570	T154C-570		M7A-570	T154A-570		M7i-570	T154i-570	
	58.00	M7-580	T154-580		M7C-580	T154C-580		M7A-580	T154A-580		M7i-580	T154i-580	
	59.00	M7-590	T154-590		M7C-590	T154C-590		M7A-590	T154A-590		M7i-590	T154i-590	
	60.00	M7-600	T154-600		M7C-600	T154C-600		M7A-600	T154A-600		M7i-600	T154i-600	
	61.00	M7-610	T154-610		M7C-610	T154C-610		M7A-610	T154A-610		M7i-610	T154i-610	
	62.00	M7-620	T154-620		M7C-620	T154C-620		M7A-620	T154A-620		M7i-620	T154i-620	
	63.00	M7-630	T154-630		M7C-630	T154C-630		M7A-630	T154A-630		M7i-630	T154i-630	
	64.00	M7-640	T154-640		M7C-640	T154C-640		M7A-640	T154A-640		M7i-640	T154i-640	
	65.00	M7-650	T154-650		M7C-650	T154C-650		M7A-650	T154A-650		M7i-650	T154i-650	
5	63.50	M8-635			M8C-635			M8A-635			M8i-635		
	64.00	M8-640			M8C-640			M8A-640			M8i-640		
	66.00	M8-660			M8C-660			M8A-660			M8i-660		
	68.00	M8-680			M8C-680			M8A-680			M8i-680		
	70.00	M8-700			M8C-700			M8A-700			M8i-700		
	72.00	M8-720			M8C-720			M8A-720			M8i-720		
	74.00	M8-740			M8C-740			M8A-740			M8i-740		
	76.00	M8-760			M8C-760			M8A-760			M8i-760		
6	78.00	M9-780			M9C-780			M9A-780			M9i-780		
	80.00	M9-800			M9C-800			M9A-800			M9i-800		
	82.00	M9-820			M9C-820			M9A-820			M9i-820		
	84.00	M9-840			M9C-840			M9A-840			M9i-840		
	86.00	M9-860			M9C-860			M9A-860			M9i-860		
	88.00	M9-880			M9C-880			M9A-880			M9i-880		
7	90.00	M10-900			M10C-900			M10A-900			M10i-900		
	92.00	M10-910			M10C-910			M10A-910			M10i-910		
	94.00	M10-920			M10C-920			M10A-920			M10i-920		
	96.00	M10-940			M10C-940			M10A-940			M10i-940		
	100.00	M10-1000			M10C-1000			M10A-1000			M10i-1000		
8	102.00	M11-1020			M11C-1020			M11A-1020			M11i-1020		
	104.00	M11-1040			M11C-1040			M11A-1040			M11i-1040		
	106.00	M11-1060			M11C-1060			M11A-1060			M11i-1060		
	108.00	M11-1080			M11C-1080			M11A-1080			M11i-1080		
	110.00	M11-1100			M11C-1100			M11A-1100			M11i-1100		
	112.00	M11-1120			M11C-1120			M11A-1120			M11i-1120		
	114.00	M11-1140						M11A-1140			M11i-1140		

直柄铲钻

Replaceable drill



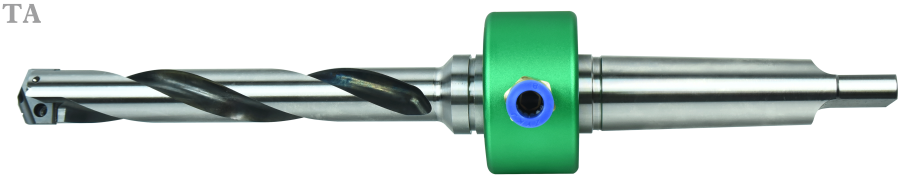




刀片接口 Tips interface 33/inch	型 号 Cat.No	A 刀片范围 Effective Depth	B 最大钻深 Blade length	F 柄径 Shank	螺丝 Screw	扳手 Wrench	重 量 Kg
Y	CR09.5-11-C20-20L	Φ9.5~11.4	20	20	m2.2	T7	
	CR09.5-11-C20-50L	Φ9.5~11.4	50				
	CR09.5-11-C20-100L	Φ9.5~11.4	100				
Z	CR11.5-12.5-C20-20L	Φ11.5~12.7	20	20	m2.5	T8	
	CR11.5-12.5-C20-50L	Φ11.5~12.7	50				
	CR11.5-12.5-C20-100L	Φ11.5~12.7	100				
O	CR13.0-17.5-C20-30L	Φ12.6~17.5	30	20	m2.5	T8	
	CR13.0-17.5-C20-70L	Φ12.6~17.5	70				
	CR13.0-17.5-C20-100L	Φ12.6~17.5	100				
	CR13.0-17.5-C20-150L	Φ12.6~17.5	150				
	CR15.5-17.5-C20-30L	Φ15.5~17.5	30				
	CR15.5-17.5-C20-70L	Φ15.5~17.5	70				
	CR15.5-17.5-C20-100L	Φ15.5~17.5	100				
	CR15.5-17.5-C20-150L	Φ15.5~17.5	150				
	CR15.5-17.5-C20-200L	Φ15.5~17.5	200				
1	CR18.0-24.0-C25-50L	Φ17.6~24.4	50	25	m3.0	T10	
	CR18.0-24.0-C25-100L	Φ17.6~24.4	100				
	CR18.0-24.0-C25-150L	Φ17.6~24.4	150				
	CR18.0-24.0-C25-200L	Φ17.6~24.4	200				
	CR18.0-24.0-C25-250L	Φ17.6~24.4	250				
	CR18.0-24.0-C25-300L	Φ17.6~24.4	300				
	CR22.0-24.0-C25-50L	Φ22.0~24.0	50				
	CR22.0-24.0-C25-100L	Φ22.0~24.0	100				
	CR22.0-24.0-C25-150L	Φ22.0~24.0	150				
	CR22.0-24.0-C25-200L	Φ22.0~24.0	200				
	CR22.0-24.0-C25-250L	Φ22.0~24.0	250				
	CR22.0-24.0-C25-300L	Φ22.0~24.0	300				
2	CR25.0-35.0-C32-50L	Φ24.5~35.0	50	32	m3.5	T15	
	CR25.0-35.0-C32-100L	Φ24.5~35.0	100				
	CR25.0-35.0-C32-150L	Φ24.5~35.0	150				
	CR25.0-35.0-C32-200L	Φ24.5~35.0	200				
	CR25.0-35.0-C32-250L	Φ24.5~35.0	250				
	CR25.0-35.0-C32-300L	Φ24.5~35.0	300				
	CR30.0-35.0-C32-50L	Φ30.0~35.0	50				
	CR30.0-35.0-C32-100L	Φ30.0~35.0	100				
	CR30.0-35.0-C32-150L	Φ30.0~35.0	150				
	CR30.0-35.0-C32-200L	Φ30.0~35.0	200				
	CR30.0-35.0-C32-250L	Φ30.0~35.0	250				
	CR30.0-35.0-C32-300L	Φ30.0~35.0	300				
	CR30.0-35.0-C32-350L	Φ30.0~35.0	350				
3	CR36.0-47.0-C40-100L	Φ35.1~47.9	100	40	m5.0	T20	
	CR36.0-47.0-C40-150L	Φ35.1~47.9	150				
	CR36.0-47.0-C40-200L	Φ35.1~47.9	200				
	CR36.0-47.0-C40-250L	Φ35.1~47.9	250				
	CR36.0-47.0-C40-300L	Φ35.1~47.9	300				
	CR36.0-47.0-C40-350L	Φ35.1~47.9	350				
	CR36.0-47.0-C40-400L	Φ35.1~47.9	400				
4	CR48.0-65.0-C40-200L	Φ48.0~65.0	200	40	m5.0	T20	
	CR48.0-65.0-C40-400L	Φ48.0~65.0	400				
	CR48.0-65.0-C40-600L	Φ48.0~65.0	600				
	CR48.0-65.0-C40-800L	Φ48.0~65.0	800				
5	CR65.0-88.0-C40-200L	Φ65.0~88.0	200	40	m6.0	T25	
	CR65.0-88.0-C40-400L	Φ65.0~88.0	400				
	CR65.0-88.0-C40-600L	Φ65.0~88.0	600				
	CR65.0-88.0-C40-800L	Φ65.0~88.0	800				

锥柄铲钻

Spade Drill-MTA



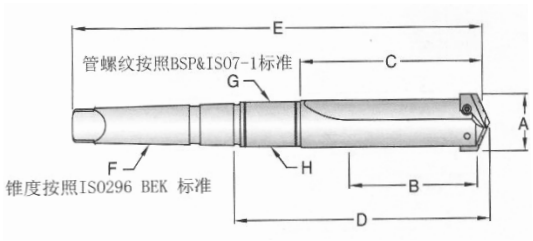
刀片接口 33/inch	型 号 Cat.No	A 刀片范围 Effective Depth	B 最大钻深 Blade length	F 柄径 Shank	螺丝 Screw	扳手 Wrench	进水环 Cooling Ring	重量 Kg
Y	CR09.5-11.4-MTA2-050L	Φ9.5~11.4	50	MTA2	m2.2	T7	RCA2	
	CR09.5-11.4-MTA2-100L	Φ9.5~11.4	100					
Z	CR11.5-12.5-MTA2-050L	Φ11.5~12.7	20					
	CR11.5-12.5-MTA2-100L	Φ11.5~12.7	50					
O	CR13.0-17.5-MTA2-070L	Φ12.6~17.5	70	MTA2	m2.5	T8	RCA2	
	CR13.0-17.5-MTA2-100L	Φ12.6~17.5	100					
	CR13.0-17.5-MTA2-150L	Φ12.6~17.5	150					
	CR15.5-17.5-MTA2-070L	Φ15.5~17.5	70					
	CR15.5-17.5-MTA2-100L	Φ15.5~17.5	100					
	CR15.5-17.5-MTA2-150L	Φ15.5~17.5	150					
	CR15.5-17.5-MTA2-200L	Φ15.5~17.5	200					
1	CR18.0-24.0-MTA3-150L	Φ17.6~24.4	150	MTA3	m3.0	T10	RCA3	
	CR18.0-24.0-MTA3-200L	Φ17.6~24.4	200					
	CR18.0-24.0-MTA3-250L	Φ17.6~24.4	250					
	CR18.0-24.0-MTA3-300L	Φ17.6~24.4	300					
	CR22.0-24.0-MTA3-150L	Φ22.0~24.4	150					
	CR22.0-24.0-MTA3-200L	Φ22.0~24.4	200					
	CR22.0-24.0-MTA3-250L	Φ22.0~24.4	250					
	CR22.0-24.0-MTA3-300L	Φ22.0~24.4	300					
2	CR25.0-35.0-MTA4-150L	Φ24.5~35.0	150	MTA4	m3.5	T15	RCA4	
	CR25.0-35.0-MTA4-200L	Φ24.5~35.0	200					
	CR25.0-35.0-MTA4-250L	Φ24.5~35.0	250					
	CR25.0-35.0-MTA4-300L	Φ24.5~35.0	300					
	CR30.0-35.0-MTA4-150L	Φ30.0~35.5	150					
	CR30.0-35.0-MTA4-200L	Φ30.0~35.5	200					
	CR30.0-35.0-MTA4-250L	Φ30.0~35.5	250					
	CR30.0-35.0-MTA4-300L	Φ30.0~35.5	300					
	CR30.0-35.0-MTA4-350L	Φ30.0~35.5	350					
3	CR36.0-47.0-MTA4-200L	Φ35.1~47.9	200	MTA4	m5.0	T20	RCA4	
	CR36.0-47.0-MTA4-250L	Φ35.1~47.9	250					
	CR36.0-47.0-MTA4-300L	Φ35.1~47.9	300					
	CR36.0-47.0-MTA4-350L	Φ35.1~47.9	350					
	CR36.0-47.0-MTA4-400L	Φ35.1~47.9	400					
4	CR48.0-65.0-MTA5-250L	Φ48.0~65.0	250	MTA5	m5.0	T20	RCA5	
	CR48.0-65.0-MTA5-300L	Φ48.0~65.0	300					
	CR48.0-65.0-MTA5-350L	Φ48.0~65.0	350					
	CR48.0-65.0-MTA5-400L	Φ48.0~65.0	400					
	CR48.0-65.0-MTA5-450L	Φ48.0~65.0	450					
5#/6#	CR64.0-88.0-MTA5-300L	Φ64.0~88.0	300	MTA5	m6.0	T25	RCA5	
	CR64.0-88.0-MTA5-350L	Φ64.0~88.0	350					
	CR64.0-88.0-MTA5-400L	Φ64.0~88.0	400					
	CR64.0-88.0-MTA5-450L	Φ64.0~88.0	450					
7#/8#/9#	CR90.0-114.0-MTA5-300L	Φ90.0~114.0	300	MTA5	m6.0	T25	RCA5	
	CR90.0-114.0-MTA5-400L	Φ90.0~114.0	400					
	CR90.0-114.0-MTA5-500L	Φ90.0~114.0	500					
	CR90.0-114.0-MTA5-600L	Φ90.0~114.0	600					

锥柄铲钻刀杆

Taper shank replaceable drill

短型直槽

Short straight slot



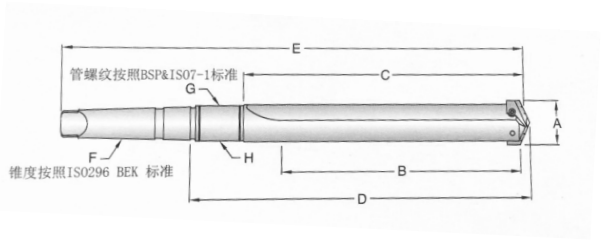
系列号 Insert code	A 刀片直径范围 Insert range	B 最大钻孔深度 Effective Depth	C 排屑槽长度 Length of chip flute	D 参考长度 Effective length	E 全长 Full length	F 莫氏锥度代号 Morse taper code	G 锥管螺纹 Taper pipe thread	H 冷却液导流环 Coolant return ring
Y	9.50~11.0	31.8	51.5	88.0	160.3	#2	1/16"	PR120190
Z	11.5~12.5	31.8	51.5	88.0	160.3	#2	1/16"	PR120190
0	13.0~17.5	35.0	55.5	92.4	164.3	#2	1/16"	PR120190
0.5	15.5 ~ 17.5	35.0	55.5	92.4	164.3	#2	1/16"	PR120190
1	18.0 ~ 24.0	69.8	98.4	142.5	232.5	#3	1/8"	PR120254
1.5	22.0 ~ 24.0	69.8	98.4	142.5	232.5	#3	1/8"	PR120254
2	25.0 ~ 35.0	85.7	114.3	160.4	273.8	#4	1/8"	PR120254
2.5	30.0 ~ 35.0	85.7	114.3	167.6	281.0	#4	1/4"	PR120317
3	36.0~47.0	120.6	152.4	206.4	319.1	#4	1/4"	PR120317
4	48.0 ~ 65.0	130.1	165.1	219.1	363.5	#5	1/4"	PR120444
5	64.0~88.0	171.5	215.9	287.3	430.2	#5	1/2"	PR120571
7	90.0 ~ 114.0	171.5	225.4	296.8	439.7	#5	1/2"	PR120571

锥柄铲钻刀杆

Taper shank replaceable drill

特长型直槽

Ultra long straight slot



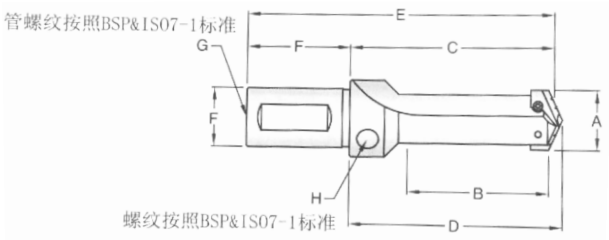
系列号 Insert code	A 刀片直径范围 Insert range	B 最大钻孔深度 Effective Depth	C 排屑槽长度 Length of chip flute	D 参考长度 Effective length	E 全长 Full length	F 莫氏锥度代号 Morse taper code	G 锥管螺纹 Taper pipe thread	H 冷却液导流环 Coolant return ring
3	36.0~47.0	349.3	381.0	435.0	547.7	#4	1/4"	PR120317
4	48.0 ~ 65.0	422.3	457.2	511.2	655.6	#5	1/4"	PR120444
5	64.0~88.0	463.6	508.0	579.4	722.3	#5	1/2"	PR120571
7	90.0 ~ 114.0	555.6	609.6	681.1	823.9	#5	1/2"	PR120571

直柄铲钻刀杆

Straight shank replaceable drill

超短型直槽

Ultra short straight slot



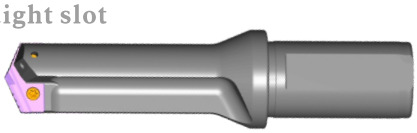
系列号 Insert code	A 刀片直径范围 Insert range	B 最大钻孔深度 Effective Depth	C 排屑槽长度 Length of chip flute	D 参考长度 Effective length	E 全长 Full length	F 柄部 直径 Dia	F 柄部 长度 Length	G 管螺纹后面	H 管螺纹侧面
Y	9.50~11.0	19.1	47.6	50.0	89.5	16.0	41.9	1/16"	1/8"
Z	11.5~12.5	19.1	47.6	50.0	89.5	16.0	41.9	1/16"	1/8"
0	13.0~17.5	22.2	47.6	50.4	89.5	20.0	41.9	1/8"	1/8"
0.5	15.5 ~ 17.5	22.2	47.6	50.4	89.5	20.0	41.9	1/8"	1/8"
1	18.0 ~ 24.0	47.6	75.8	79.4	128.9	25.0	53.1	1/8"	1/8"
1.5	22.0 ~ 24.0	57.2	88.5	92.1	141.6	25.0	53.1	1/8"	1/8"
2	25.0 ~ 35.0	57.2	88.5	92.1	146.4	32.0	57.9	1/4	1/8"

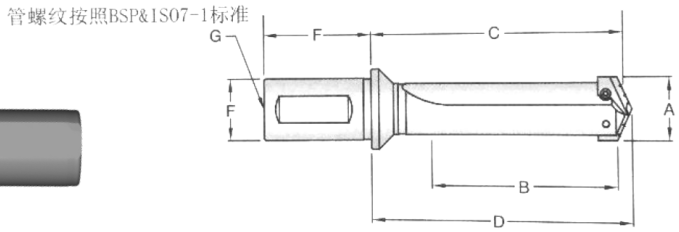
直柄柄铲钻刀杆

Straight shank replaceable drill

短型直槽

Short straight slot





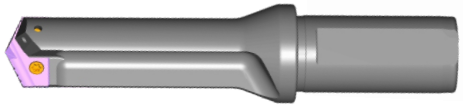
系列号 Insert code	A	B	C	D	E	F 柄部		G
	刀片直径范围 Insert range	最大钻孔深度 Effective Depth	排屑槽长度 Length of chip flute	参考长度 Effective length	全长 Full length	直径 Dia	长度 Length	管螺纹
Y	9.50~11.0	31.8	61.1	63.5	103.0	20.0	41.9	1/16"
Z	11.5~12.5	31.8	61.1	63.5	103.0	20.0	41.9	1/16"
0	13.0~17.5	34.9	63.5	66.3	105.4	20.0	41.9	1/8"
0.5	15.5 ~ 17.5	34.9	63.5	66.3	105.4	20.0	41.9	1/8"
1	18.0 ~ 24.0	66.7	107.2	110.7	160.2	25.0	53.1	1/8"
1.5	22.0 ~ 24.0	66.7	107.2	110.7	160.2	25.0	53.1	1/8"
2	25.0 ~ 35.0	85.7	128.6	132.2	186.5	32.0	57.9	1/4"
2.5	30.0 ~ 35.0	85.7	128.6	132.2	186.5	32.0	57.9	1/4"
3	36.0~47.0	120.7	173.0	177.8	243.1	40.0	70.1	1/4"
4	48.0 ~ 65.0	130.2	179.4	184.2	249.5	40.0	70.1	1/4"

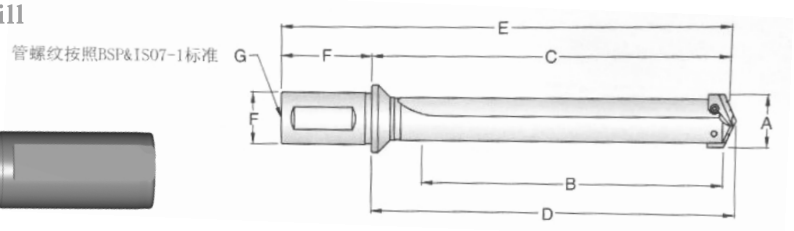
直柄铲钻刀杆

Straight shank replaceable drill

特长型直槽

Ultra long straight slot





系列号 Insert code	A	B	C	D	E	F 柄部		G
	刀片直径范围 Insert range	最大钻孔深度 Effective Depth	排屑槽长度 Length of chip flute	参考长度 Effective length	全长 Full length	直径 Dia	长度 Length	管螺纹
3	36.0~47.0	349.3	401.6	406.4	471.7	40.0	70.1	1/4"
4	48.0 ~ 65.0	422.3	471.5	476.3	541.6	40.0	70.1	1/4"

刀杆配件

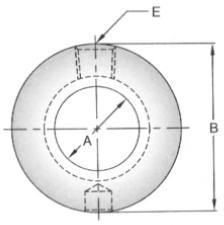
Drill rod Accessories

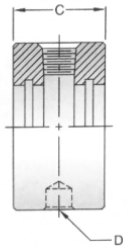
冷却液导流环（RCI）与配件

Coolant return ring and accessories









RCI冷却液导流环编号	A	B	C	D	E
	内 径	外 径	厚 度	螺纹孔	管螺纹
RCA2	19.05	44.45	22.23	M8X1.25	1/8"
RCA3	25.40	53.97	28.57	M8X1.25	1/8"
RCA4	31.75	63.50	34.92	M10X1.5	1/4"
RCA5	44.45	76.20	34.92	M10X1.5	1/4"
RCA6	57.15	95.27	44.45	M12X1.75	1/2"

铲钻刀杆非标定制卡

Non-standard spade drill customized infor

□询问 Inquiry　　□定购 Order

公 司/Company:　　客户编号/Customer Number:

联系人 /Contact Person:　　电话/Tel:

手机/M.B:　　传真 /Fax:

地址/Add:　　电子邮件/E-mail:

购买数量 Order Quantity _____

交货期 Delivery_____

订货号 Order No._____

加工条件和刀具信息　Processing conditions and tools information

孔 Hole:

□通孔 Through hole　□盲孔 Blind hole

要求孔径：_____mm，钻孔深度：_____mm

Aperture　　Depth

被加工材料 Material to be processed

□碳素钢 Carbon　　□铜合金 Copper Alloy

□合金钢 Alloy Steel　　□淬硬钢 Hardened Steel

□不锈钢 Stainless steel　　□镍合金 Nickel Alloy

□铸　铁 Cast Iron　　□铝合金 Aluminum

□钛合金 Titanium　　□其　他 Other

加工方法 Processing methods

□湿式 Wet　□干式 Dry

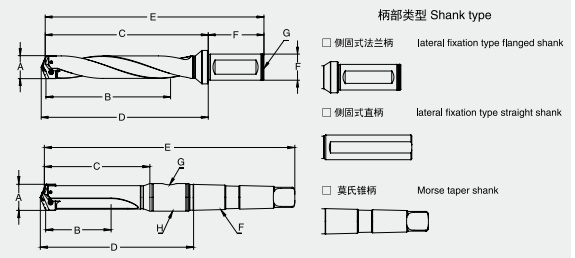
冷却方式 Cooling

□外冷 External Cooling　□内冷 Internal Cooling

工件硬度 Hardness（HRC，HB）_____ 抗拉强度 Tensile strength（N/mm²）_____

使用设备 Equipment_____

沟槽形式Futemodality：□直槽 Straight　□螺旋槽 Helical



提示: 如未陈述以上内容，我们将采用 ROTEMAGE 标准。

ip: if you don't put forward the above request, we will using ROTEMAGE standards.

签名 SIGATURE:　　日期DATE:

铲钻刀杆非标定制卡

Non-standard spade drill customized infor

□询问 Inquiry　　□定购 Order

公 司/Company:　　客户编号/Customer Number:

联系人 /Contact Person:　　电话/Tel:

手机/M.B:　　传真 /Fax:

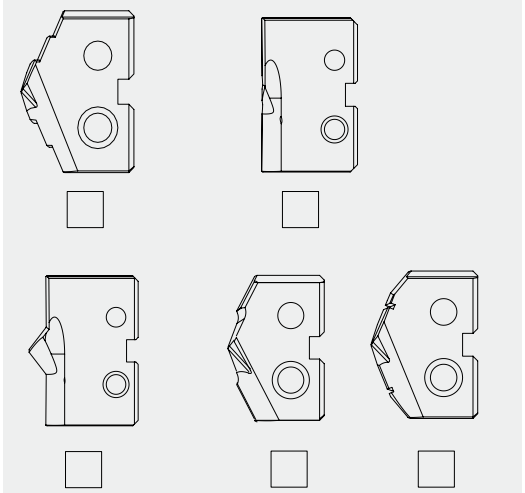
地址/Add:　　电子邮件/E-mail:

订货号 Order No._____

交货期 Delivery_____

购买数量 Order Quantity _____

钻尖类型 Drill tine type



加工条件和刀具信息　Processing conditions and tools information

孔 Hole:

□通孔 Through hole　□盲孔 Blind hole

要求孔径：_____mm，钻孔深度：_____mm

Aperture　　Depth

被加工材料 Material to be processed

□碳素钢 Carbon　　□铜合金 Copper Alloy

□合金钢 Alloy Steel　　□淬硬钢 Hardened Steel

□不锈钢 Stainless steel　　□镍合金 Nickel Alloy

□铸　铁 Cast Iron　　□铝合金 Aluminum

□钛合金 Titanium　　□其　他 Other

加工方法 Processing methods

□湿式 Wet　□干式 Dry

冷却方式 Cooling

□外冷 External Cooling　□内冷 Internal Cooling

工件硬度 Hardness（HRC，HB）_____ 抗拉强度 Tensile strength（N/mm²）_____

使用设备 Equipment_____

刀片涂层Insert coating：TiCN □,TiN □,TiALN □, 无 □, _____□

提示: 如未陈述以上内容，我们将采用 ROTEMAGE 标准。

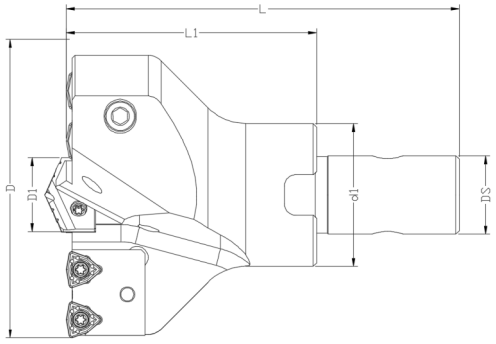
Tip: if you don't put forward the above request, we will using ROTEMAGE standards.

签名 SIGATURE:　　日期DATE:

VMC大钻头

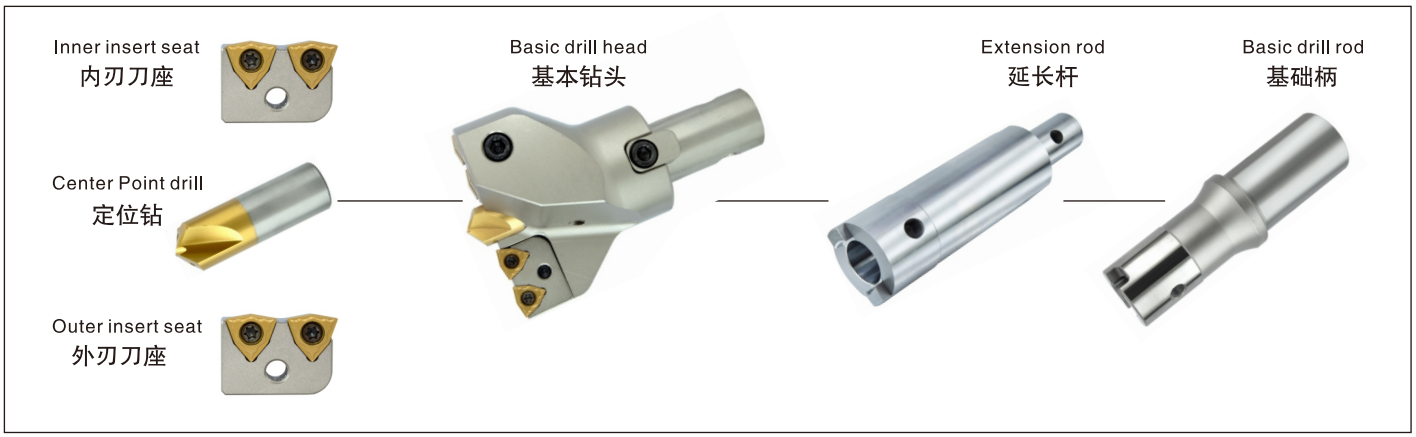
VMC large dia drill head





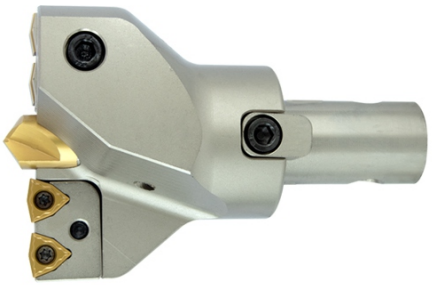
MX MODULAR SHANK Type

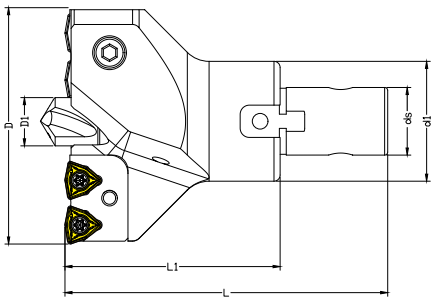
型号 Cat.No	尺寸(mm) Dimension					中心刀片 Centering insert	刀座 Insert seat	边刀片 Edge insert	刀片螺丝 Insert screw	刀片扳手 Insert Wrench	刀座螺丝 Insert seat screw	微调螺丝 Adjustable screw	定位块 Positioning block	定位块螺丝 Positioning screw	中心刀片螺丝 Screw of centering insert	六角扳手 Hexagonal wrenc	重量 Kg
	D	DS	d1	L1	L												
VMC-045050-13	45-50	13	28	60	95	CRA17	VMC045050N/E	WCMT030208	M2.5*5	T8	M4*12	M2.5*10	VM-161006	M4*8	M2.5*6	2.0 3	0.3
VMC-050055-13	50-55	13	28	60	95	CRA17	VMC050055N/E	WCMT040208	M2.5*6	T8	M4*12	M2.5*10	VM-161006	M4*8	M2.5*6	2.0 3	0.35
VMC-055060-16	55-60	16	32	60	100	CRA17	VMC055060N/E	WCMT040208	M2.5*6	T8	M5*15	M3*10	VM-161006	M4*8	M2.5*6	2.0 3.0 4.0	0.5
VMC-060065-16	60-65	16	32	60	100	CRA17	VMC060065N/E	WCMT050308	M3.0*7	T10	M5*15	M3*10	VM-161006	M4*8	M2.5*6	2.0 3.0 4.0	0.6
VMC-065070-16	65-70	16	32	80	125	CRA22	VMC065070N/E	WCMT050308	M3.0*7	T10	M5*15	M3*10	VM-161006	M4*8	M3.0*8	2.0 3.0 4.0	0.6
VMC-070075-22	70-75	22	40	80	125	CRA23	VMC070075N/E	WCMT06T308	M3.5*8	T10 T15	M5*15	M3*10	VM-191207	M5*10	M3.0*8	2.0 4	1
VMC-075080-22	75-80	22	40	80	125	CRA23	VMC075080N/E	WCMT06T308	M3.5*8	T10 T15	M5*15	M3*10	VM-191207	M5*10	M3.0*8	2.0 4	1
VMC-080085-22	80-85	22	40	80	125	CRA24	VMC080085N/E	WCMT06T308	M3.5*8	T10 T15	M6*16	M3*10	VM-191207	M5*10	M3.0*8	2.0 4.0 5.0	1
VMC-085090-27	85-90	27	48	80	125	CRA30	VMC085090N/E	WCMT06T308	M3.5*8	T15	M6*20	M3*10	VM-191207	M5*10	M4*10	2.0 4.0 5.0	1.4
VMC-090095-27	90-95	27	48	80	125	CRA30	VMC090095N/E	WCMT06T308	M3.5*8	T15	M6*20	M3*10	VM-191207	M5*10	M4*10	2.0 4.0 5.0	1.4
VMC-095100-27	95-100	27	48	80	125	CRA38	VMC095100N/E	WCMT050308	M3.0*7	T10 T20	M6*20	M3*10	VM-191207	M5*10	M5*12	2.0 4.0 5.0	1.6
VMC-100105-32	100-105	32	58	95	140	CRA30	VMC100105N/E	WCMT050308	M3.0*7	T10 T15	M6*20	M3*10	VM-261609	M5*10	M4*10	2.0 4.0 5.0	1.6
VMC-105110-32	105-110	32	58	95	140	CRA34	VMC105110N/E	WCMT050308	M3.0*7	T10 T15	M5*20	M3*10	VM-261609	M6*10	M4*10	2.0 4.0 5.0	2.1
VMC-110115-40	110-115	32	58	95	140	CRA32	VMC110115N/E	WCMT06T308	M3.5*8	T15	M6*25	M3*10	VM-261609	M6*10	M4*10	2.0 5.0	2.2
VMC-115120-40	115-120	40	70	100	150	CRA30	VMC115120N/E	WCMT06T308	M3.5*8	T15	M6*25	M3*10	VM-261609	M6*10	M4*10	2.0 5.0	3.3
VMC-120125-40	120-125	40	70	100	150	CRA34	VMC120125N/E	WCMT06T308	M3.5*8	T15	M6*25	M3*10	VM-261609	M6*10	M4*10	2.0 5.0	3.5
VMC-125130-40	125-130	40	70	100	150	CRA42	VMC125130N/E	WCMT06T308	M3.5*8	T15 T20	M6*25	M3*10	VM-261609	M6*10	M5*12	2.0 5.0	3.6
VMC-130135-40	130-135	40	70	100	150	CRA42	VMC130135N/E	WCMT06T308	M3.5*8	T15 T20	M6*25	M3*10	VM-261609	M6*10	M5*12	2.0 5.0	3.6
VMC-135140-40	135-140	40	70	100	150	CRA47	VMC135140N/E	WCMT06T308	M3.5*8	T15 T20	M6*25	M3*10	VM-261609	M6*10	M5*12	2.0 5.0	3.8
VMC-140150-50	140-150	50	80	120	180	CRA38	VMC140150N/E	WCMT06T308	M3.5*8	T15 T20	M6*30	M3*15	VM-302013	M6*15	M5*12	2.0 5.0	5.3
VMC-150160-50	150-160	50	80	120	180	CRA42	VMC150160N/E	WCMT080412	M4.0*10	T15 T20	M6*30	M3*15	VM-302013	M6*15	M5*12	2.0 5.0	5.8
VMC-160170-50	160-170	50	80	120	180	CRA42	VMC160170N/E	WCMT080412	M4.0*10	T15 T20	M6*30	M3*15	VM-302013	M6*15	M5*12	2.0 5.0	6
VMC-170180-50	170-180	50	80	120	180	CRA42	VMC170180N/E	WCMT080412	M4.0*10	T15	M6*30	M3*15	VM-302013	M6*15	M5*12	2.0 5.0	6.3



VMD大钻头

VMC large dia drill head





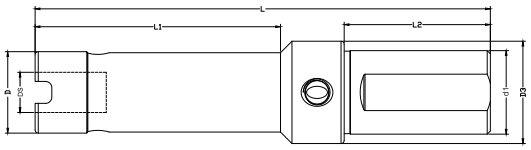
MX MODULAR SHANK Type

型号 Cat.No	尺寸(mm) Dimension					中心钻尖 Center Point drill	刀座 Insert seat	边刀片 Edge insert	刀片螺丝 Insert screw	刀片扳手 Insert Wrench	刀座螺丝 Insert seat screw	微调螺丝 Adjustable screw	定位块 Positioning block	定位块螺丝 Positioning screw	六角扳手 Hexagonal wrenc	重量 Kg
	D	ds	d1	L1	L											
VMD-045050-13/16	45-50	13	32	50	85	PLD1238	VMD045050N/E	WCMT030208	M2.5*5	T8	M4*8	M2.5*10	VM-161006	M4*8	2.0 3	0.27
VMD-050055-13/16	50-55	13	32	50	85	PLD1238	VMD050055N/E	WCMT040208	M2.5*6	T8	M4*8	M2.5*10	VM-161006	M4*8	2. 3 4	0.3
VMD-055060-16	55-60	16	36	55	95	PLD1238	VMD055060N/E	WCMT040208	M2.5*6	T8	M4*8	M3*10	VM-161006	M4*8	2.0 3.0 4.0	0.47
VMD-060065-16/25	60-65	16	36	55	95	PLD1238	VMD060065N/E	WCMT050308	M3.0*8	T10	M4*8	M3*10	VM-161006	M4*8	2.0 3.0 4.0	0.5
VMD-065070-16/25	65-70	16	36	55	95	PLD1238	VMD065070N/E	WCMT050308	M3.0*8	T10	M4*8	M3*10	VM-161006	M4*8	2.0 3.0 4.0	0.52
VMD-070075-22/25	70-75	22	45	65	105	PLD1645	VMD070075N/E	WCMT06T308	M3.5*10	T15	M5*15	M3*10	VM-191207	M5*10	2.0 3.0 4.0	0.82
VMD-075080-22/25	75-80	22	45	65	105	PLD1645	VMD075080N/E	WCMT06T308	M3.5*10	T15	M5*15	M3*10	VM-191207	M5*10	2.0 3.0 4.0	0.85
VMD-080085-22/25	80-85	22	45	65	105	PLD2045	VMD080085N/E	WCMT06T308	M3.5*10	T15	M5*15	M3*10	VM-191207	M5*10	2.0 3.0 4.0 5.0	0.88
VMD-085090-27/30	85-90	27	54	70	120	PLD1645	VMD085090N/E	WCMT050308	M3.*8	T10	M5*15	M3*10	VC-191207	M5*10	2.0 3.0 4.0	1.25
VMD-090095-27/30	90-95	27	54	70	120	PLD1645	VMD090095N/E	WCMT050308	M3.*8	T10	M5*15	M3*10	VM-191207	M5*10	2.0 3.0 4.0	1.37
VMD-095100-27/30	95-100	27	54	70	120	PLD2045	VMD095100N/E	WCMT050308	M3.*8	T10	M5*20	M3*10	VM-191207	M5*10	2.0 3.0 4.0	1.38
VMD-100105-32	100-105	32	62	80	130	PLD2045	VMD100105N/E	WCMT050308	M3.0*8	T10	M5*25	M3*10	VM-261609	M6*10	2. 3. 4. 5	1.95
VMD-105110-32	105-110	32	62	80	130	PLD2045	VMD105110N/E	WCMT050308	M3.0*8	T10	M5*25	M3*10	VM-261609	M6*10	2. 3. 4. 5	2
VMD-110115-32	110-115	32	62	80	130	PLD2045	VMD110115N/E	WCMT06T308	M3.5*8	T15	M5*25	M3*10	VM-261609	M6*10	2. 3. 4. 5	2.1
VMD-115120-40	115-120	40	74	85	140	PLD2045	VMD115120N/E	WCMT06T308	M3.5*8	T15	M5*25	M3*10	VM-261609	M6*10	2. 3. 4. 5	3
VMD-120125-40	120-125	40	74	85	140	PLD2556	VMD120125N/E	WCMT06T308	M3.5*8	T15	M5*25	M3*10	VM-261609	M6*10	2. 3. 4 5	3.1
VMD-125130-40	125-130	40	74	85	140	PLD2556	VMD125130N/E	WCMT06T308	M3.5*8	T15	M5*25	M3*10	VM-261609	M6*10	2. 3. 4 5	3.2
VMD-130135-40	130-135	40	74	85	140	PLD2556	VMD130135N/E	WCMT050308	M3.*8	T10	M5*25	M3*10	VM-261609	M6*10	2. 3. 4 5	3.2
VMD-135140-40	135-140	40	70	85	150	PLD2556	VMD135140N/E	WCMT050308	M3.*8	T10	M5*25	M3*10	VM-261609	M6*10	2. 3. 4 5	3.3
VMD-140150-50	140-150	50	88	85	145	PLD2556	VMD140150N/E	WCMT06T308	M3.5*10	T15	M6*30	M3*15	VM-302013	M6*10	2. 3. 4 5	4.4
VMD-150160-50	150-160	50	88	85	145	PLD2556	VMD150160N/E	WCMT06T308	M3.5*10	T15	M6*30	M3*15	VM-302013	M6*10	2. 4. 5	4.6
VMD-160170-50	160-170	50	88	90	150	PLD2556	VMD160170N/E	WCMT06T308	M3.5*10	T15	M6*30	M3*15	VM-302013	M6*10	2. 4. 5	5.0
VMD-170180-50	170-180	50	88	90	150	PLD2556	VMD170180N/E	WCMT06T308	M3.5*10	T15	M6*30	M3*15	VM-302013	M6*10	2. 4. 5	5.1
VMD-185190-50	185-190	50	80	120	180	PLD2556	VMD185190N/E	WCMT080412								
VMD-190195-50	190-195	50	80	120	180	PLD2556	VMD190195N/E	WCMT080412								
VMD-195200-50	195-200	50	80	120	180	PLD2556	VMD195200N/E	WCMT080412								
VMD-200205-60	200-205	60	110	130	210	PLD2556	VMD200205N/E	WCMT080412								
VMD-205210-60	205-210	60	110	130	210	PLD3068	VMD205210N/E	WCMT080412								
VMD-210220-60	210-220	60	110	130	210	PLD3068	VMD210220N/E	WCMT080412								
VMD-220230-60	220-230	60	110	130	210	PLD3068	VMD220230N/E	WCMT080412								
VMD-230240-60	230-240	60	110	130	210	PLD3068	VMD230240N/E	WCMT080412								
VMD-240250-60	240-250	60	110	130	210	PLD3068	VMD240250N/E	WCMT080412								
VMD-250260-60	250-260	60	110	130	210	PLD3068	VMD250260N/E	WCMT080412								
VMD-260270-60	260-270	60	110	130	210	PLD3068	VMD260270N/E	WCMT080412								
VMD-270280-60	270-280	60	110	130	210	PLD3068	VMD270280N/E	WCMT080412								

VM钻杆

VM drill rod



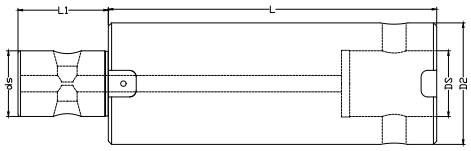


型号 Cat.No	尺寸（mm）Dimension					匹配钻头 Matching drill head	匹配钻头 Matching drill head	锥孔螺丝 Cone hole screw	六角扳手 Hexagonal wrenc	重量 Kg
	D	DS	L	L1	d1					
VM-DS13-100L-C32	28	13	199	100	32	VMD045-055	VMC045-055	M8*1.25	4	1.3
VM-DS13-200L-C32	28	13	299	200	32	VMD045-055	VMC045-055	M8*1.25	4	1.9
VM-DS13-300L-C32	28	13	399	300	32	VMD045-055	VMC045-055	M8*1.25	4	2.5
VM-DS13-400L-C32	28	13	499	400	32	VMD045-055	VMC045-055	M8*1.25	4	3.1
VM-DS13-500L-C32	28	13	599	500	32	VMD045-055	VMC045-055	M8*1.25	4	3.7
VM-DS16-100L-C32	30	16	196	100	32	VMD060-070	VMC060-070	M8*1.25	4	1.4
VM-DS16-200L-C32	30	16	296	200	32	VMD060-070	VMC060-070	M8*1.25	4	2.2
VM-DS16-300L-C32	30	16	396	300	32	VMD060-070	VMC060-070	M8*1.25	4	3
VM-DS16-400L-C32	30	16	496	400	32	VMD060-070	VMC060-070	M8*1.25	4	3.7
VM-DS16-500L-C32	30	16	596	500	32	VMD060-070	VMC060-070	M8*1.25	4	4.5
VM-DS22-100L-C32	40	22	196	100	32	VMD075-080	VMC075-080	M10*1.5	5	2.1
VM-DS22-200L-C32	40	22	296	200	32	VMD075-080	VMC075-080	M10*1.5	5	3.3
VM-DS22-300L-C32	40	22	396	300	32	VMD075-080	VMC075-080	M10*1.5	5	4.5
VM-DS22-400L-C32	40	22	496	400	32	VMD075-080	VMC075-080	M10*1.5	5	5.7
VM-DS22-500L-C32	40	22	596	500	32	VMD075-080	VMC075-080	M10*1.5	5	6.9
VM-DS27-100L-C40	45	27	170	100	40	VMD085-095	VMC085-095	M12*1.75	6	2.1
VM-DS27-200L-C40	45	27	270	200	40	VMD085-095	VMC085-095	M12*1.75	6	3.9
VM-DS27-300L-C40	45	27	370	300	40	VMD085-095	VMC085-095	M12*1.75	6	5.6
VM-DS27-400L-C40	45	27	470	400	40	VMD085-095	VMC085-095	M12*1.75	6	7.4
VM-DS27-500L-C40	45	27	570	500	40	VMD085-095	VMC085-095	M12*1.75	6	9.2
VM-DS32-100L-C40	58	32	170	100	40	VMD100-110	VMC100-110	M16*1.5	8	2.6
VM-DS32-200L-C40	58	32	270	200	40	VMD100-110	VMC100-110	M16*1.5	8	4.9
VM-DS32-300L-C40	58	32	370	300	40	VMD100-110	VMC100-110	M16*1.5	8	7.2
VM-DS32-400L-C40	58	32	470	400	40	VMD100-110	VMC100-110	M16*1.5	8	9.5
VM-DS32-500L-C40	58	32	570	500	40	VMD100-110	VMC100-110	M16*1.5	8	11.9
VM-DS40-100L-C40	70	40	170	100	40	VMD115-135	VMC115-135	M16*1.5	8	3.3
VM-DS40-200L-C40	70	40	270	200	40	VMD115-135	VMC115-135	M16*1.5	8	6.9
VM-DS40-300L-C40	70	40	370	300	40	VMD115-135	VMC115-135	M16*1.5	8	10
VM-DS40-400L-C40	70	40	470	400	40	VMD115-135	VMC115-135	M16*1.5	8	13.3
VM-DS40-500L-C40	70	40	570	500	40	VMD115-135	VMC115-135	M16*1.5	8	16.7
VM-DS50-100L-C50	80	50	170	100	50	VMD140-170	VMC-140-170	M16*1.5	8	4.7
VM-DS50-200L-C50	80	50	270	200	50	VMD140-170	VMC-140-170	M16*1.5	8	9.4
VM-DS50-300L-C50	80	50	370	300	50	VMD140-170	VMC-140-170	M16*1.5	8	14
VM-DS50-400L-C50	80	50	470	400	50	VMD140-170	VMC-140-170	M16*1.5	8	18.9
VM-DS50-500L-C50	80	50	570	500	50	VMD140-170	VMC-140-170	M16*1.5	8	23.6
VM-DS60-100L-C50	110	60		100	50	VMD	VMC			
VM-DS60-200L-C50	110	60		200	50	VMD	VMC			
VM-DS60-300L-C50	110	60		300	50	VMD	VMC			
VM-DS60-400L-C50	110	60		400	50	VMD	VMC			
VM-DS60-500L-C50	110	60		500	50	VMD	VMC			

VM延长杆

VM extension rod





型号 Cat.No	尺寸(mm)Dimension			匹配钻头 Matching drill head	匹配钻头 Matching drill head	定位块 Positioning block	定位块螺丝 Positioning screw	锥孔螺丝 Cone hole screw	六角扳手 Hexagonal wrenc	重量 Kg
	DS	L	d1							
VM-DS13-100L-DS13	13	100	28	VMD045-055	VMC045-055	VM-161006	M4*8	M8*1.25	3 4	0.6
VM-DS13-200L-DS13	13	200	28	VMD045-055	VMC045-055	VM-161006	M4*8	M8*1.25	3 4	1.2
VM-DS13-300L-DS13	13	300	28	VMD045-055	VMC045-055	VM-161006	M4*8	M8*1.25	3 4	1.8
VM-DS13-400L-DS13	13	400	28	VMD045-055	VMC045-055	VM-161006	M4*8	M8*1.25	3 4	2.5
VM-DS13-500L-DS13	13	500	28	VMD045-055	VMC045-055	VM-161006	M4*8	M8*1.25	3 4	3
VM-DS16-100L-DS16	16	100	30	VMD060-070	VMC060-070	VM-161006	M4*8	M8*1.25	3 4	0.75
VM-DS16-200L-DS16	16	200	30	VMD060-070	VMC060-070	VM-161006	M4*8	M8*1.25	3 4	1.5
VM-DS16-300L-DS16	16	300	30	VMD060-070	VMC060-070	VM-161006	M4*8	M8*1.25	3 4	2.3
VM-DS16-400L-DS16	16	400	30	VMD060-070	VMC060-070	VM-161006	M4*8	M8*1.25	3 4	3
VM-DS16-500L-DS16	16	500	30	VMD060-070	VMC060-070	VM-161006	M4*8	M8*1.25	3 4	3.8
VM-DS22-100L-DS22	22	100	40	VMD075-080	VMC075-080	VM-191207	M5*10	M10*1.5	4 5	1.1
VM-DS22-200L-DS22	22	200	40	VMD075-080	VMC075-080	VM-191207	M5*10	M10*1.5	4 5	2.3
VM-DS22-300L-DS22	22	300	40	VMD075-080	VMC075-080	VM-191207	M5*10	M10*1.5	4 5	3.5
VM-DS22-400L-DS22	22	400	40	VMD075-080	VMC075-080	VM-191207	M5*10	M10*1.5	4 5	4.8
VM-DS22-500L-DS22	22	500	40	VMD075-080	VMC075-080	VM-191207	M5*10	M10*1.5	4 5	5.9
VM-DS27-100L-DS25	27	100	45	VMD085-095	VMC085-095	VM-191207	M5*10	M12*1.75	4 6	1.7
VM-DS27-200L-DS25	27	200	45	VMD085-095	VMC085-095	VM-191207	M5*10	M12*1.75	4 6	3.4
VM-DS27-300L-DS25	27	300	45	VMD085-095	VMC085-095	VM-191207	M5*10	M12*1.75	4 6	5.2
VM-DS27-400L-DS25	27	400	45	VMD085-095	VMC085-095	VM-191207	M5*10	M12*1.75	4 6	6.9
VM-DS27-500L-DS25	27	500	45	VMD085-095	VMC085-095	VM-191207	M5*10	M12*1.75	4 6	8.7
VM-DS32-100L-DS32	32	100	58	VMD100-110	VMC100-110	VM-261609	M6*10	M16*1.5	5 8	2.1
VM-DS32-200L-DS32	32	200	58	VMD100-110	VMC100-110	VM-261609	M6*10	M16*1.5	5 8	4.5
VM-DS32-300L-DS32	32	300	58	VMD100-110	VMC100-110	VM-261609	M6*10	M16*1.5	5 8	6.8
VM-DS32-400L-DS32	32	400	58	VMD100-110	VMC100-110	VM-261609	M6*10	M16*1.5	5 8	9.1
VM-DS32-500L-DS32	32	500	58	VMD100-110	VMC100-110	VM-261609	M6*10	M16*1.5	5 8	11.5
VM-DS40-100L-DS40	40	100	70	VMD115-135	VMC115-135	VM-261609	M6*10	M16*1.5	5 8	3.1
VM-DS40-200L-DS40	40	200	70	VMD115-135	VMC115-135	VM-261609	M6*10	M16*1.5	5 8	6.5
VM-DS40-300L-DS40	40	300	70	VMD115-135	VMC115-135	VM-261609	M6*10	M16*1.5	5 8	9.8
VM-DS40-400L-DS40	40	400	70	VMD115-135	VMC115-135	VM-261609	M6*10	M16*1.5	5 8	13.1
VM-DS40-500L-DS40	40	500	70	VMD115-135	VMC115-135	VM-261609	M6*10	M16*1.5	5 8	16.5
VM-DS50-100L-DS50	50	100	80	VMD140-170	VMC-140-170	VM-302013	M6*15	M16*1.5	5 8	4.4
VM-DS50-200L-DS50	50	200	80	VMD140-170	VMC-140-170	VM-302013	M6*15	M16*1.5	5 8	9.2
VM-DS50-300L-DS50	50	300	80	VMD140-170	VMC-140-170	VM-302013	M6*15	M16*1.5	5 8	13.9
VM-DS50-400L-DS50	50	400	80	VMD140-170	VMC-140-170	VM-302013	M6*15	M16*1.5	5 8	18.6
VM-DS50-500L-DS50	50	500	80	VMD140-170	VMC-140-170	VM-302013	M6*15	M16*1.5	5 8	29.8

VMD刀片座

Insert Seat

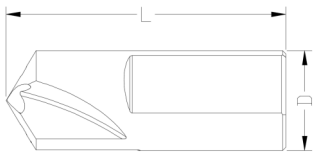


直 径 Diameter	内刃刀片座 Inner blade holder	外刃刀片座 Outer blade holder	刀 片 Insert	每个刀片座刀片数 Number of insert each insert seat	刀片螺丝 Insert screw	刀片扳手 Insert wrench
45~50	VMD–045050N	VMD–045050E	WC..030204	2	M2.5x5	T8
50~55	VMD–050055N	VMD–050055E				
55~60	VMD–055060N	VMD–055060E	WC..040204	2	M2.5x6	
60~65	VMD–060065N	VMD–060065E	WC..050308	2	M3.0x7	T10
65~70	VMD–065070N	VMD–065070E				
70~75	VMD–070075N	VMD–070075E				
75~80	VMD–075080N	VMD–075080E	WC..06T308	2	M3.5x8	T15
80~85	VMD–080085N	VMD–080085E				
85~90	VMD–085090N	VMD–085090E				
90~95	VMD–090095N	VMD–090095E				
95~100	VMD–095100N	VMD–095100E				
100~105	VMD–100105N	VMD–100105E	WC..050308	3	M3.0x7	T10
105~110	VMD–105110N	VMD–105110E	WC..06T308	3	M3.5x8	T15
110~115	VMD–110115N	VMD–110115E				
115~120	VMD–115120N	VMD–115120E				
120~125	VMD–120125N	VMD–120125E				
125~130	VMD–125130N	VMD–125130E				
130~135	VMD–130135N	VMD–130135E				
135~140	VMD–135140N	VMD–135140E				
140~150	VMD–140150N	VMD–140150E	WC..080408	3	M4.0x10	
150~160	VMD–150160N	VMD–150160E				
160~170	VMD–160170N	VMD–160170E				
170~180	VMD–170180N	VMD–170180E				

HSS定心钻

HSS centering drill





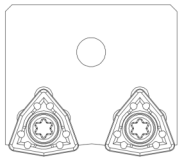
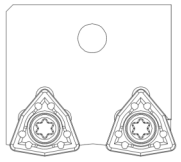
型 号 Cat.No	直径 Diameter	全长 Full length
PLD1035TIN–H	10	35
PLD1238TIN–H	12	38
PLD1645TIN–H	16	45
PLD2045TIN–H	20	45
PLD2556TIN–H	25	56
PLD3068TIN–H	30	68

VMC刀片座

Insert Seat





直 径 Diameter	内刃刀片座 Inner blade holder	外刃刀片座 Outer blade holder	刀 片 Insert	每个刀片座刀片数 Number of insert each insert seat	刀片螺丝 Insert screw	刀片扳手 Insert wrench
45~50	VMC-045050N	VMC-045050E	WC..030204	2	M2.5x5	T8
50~55	VMC-050055N	VMC-050055E				
55~60	VMC-055060N	VMC-055060E	WC..040204	2	M2.5x6	
60~65	VMC-060065N	VMC-060065E	WC..050308	2	M3.0x7	T10
65~70	VMC-065070N	VMC-065070E				
70~75	VMC-070075N	VMC-070075E				
75~80	VMC-075080N	VMC-075080E	WC..06T308	2	M3.5x8	T15
80~85	VMC-080085N	VMC-080085E				
85~90	VMC-085090N	VMC-085090E				
90~95	VMC-090095N	VMC-090095E				
95~100	VMC-095100N	VMC-095100E				
100~105	VMC-100105N	VMC-100105E	WC..050308	3	M3.0x7	T10
105~110	VMC-105110N	VMC-105110E	WC..06T308	3	M3.5x8	T15
110~115	VMC-110115N	VMC-110115E				
115~120	VMC-115120N	VMC-115120E				
120~125	VMC-120125N	VMC-120125E				
125~130	VMC-125130N	VMC-125130E				
130~135	VMC-130135N	VMC-130135E				
135~140	VMC-135140N	VMC-135140E				
140~150	VMC-140150N	VMC-140150E	WC..080408	3	M4.0x10	
150~160	VMC-150160N	VMC-150160E				
160~170	VMC-160170N	VMC-160170E				
170~180	VMC-170180N	VMC-170180E				

HSS-M42中心钻刀片

HSS-M42 center drill insert



型 号 Cat.No	直径 Diameter
M4-170	17
M4-220	22
M4-230	23
M4-240	24
M5-300	30
M5-320	32
M5-340	34
M6-380	38
M6-420	42
M6-470	47

HSS-T15中心钻刀片

HSS-T15 center drill insert



型 号 Cat.No	直径 Diameter
T151I-170	17
T151I-220	22
T151I-230	23
T151I-240	24
T152I-300	30
T152I-320	32
T152I-340	34
T153I-380	38
T153I-420	42
T153I-470	47

HSS-T15中心钻刀片

HSS-T15 center drill insert



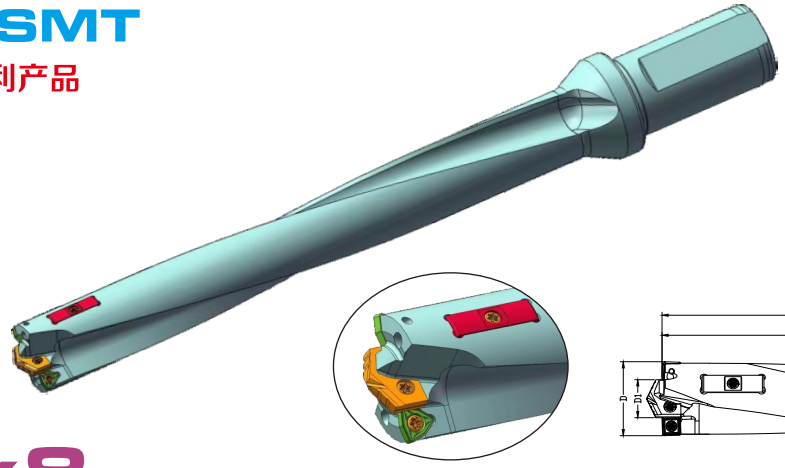
型 号 Cat.No	直径 Diameter
CRA-170	17
CRA-220	22
CRA-230	23
CRA-240	24
CRA-300	30
CRA-320	32
CRA-340	34
CRA-380	38
CRA-420	42
CRA-470	47

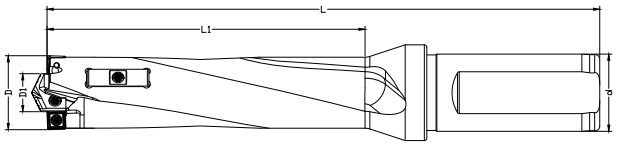
VSS自定心钻头

VSS centering indexable drill

SSMT

专利产品





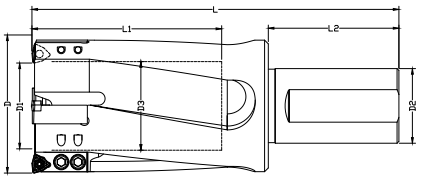
Dx8

型号 Cat.No	中心刀片 Centering insert	尺寸（mm）Dimension				边刀片 Edge inser	铲钻螺丝 Screw	铲钻扳手 Wrench	边刀片螺丝 Screw of edge insert	边刀片扳手 Wrench of edge insert	重量 Kg
		D	L1	L	d						
VSS.230.CR110.03.C25–8D	CR11	23	184	264	25	WCMX030208	M2	T6	M2.5	T8	
VSS.235.CR110.03.C25–8D	CR11	23.5	188	268	25	WCMX030208	M2	T6	M2.5	T8	
VSS.240.CR110.03.C25–8D	CR11	24	192	272	25	WCMX030208	M2	T6	M2.5	T8	
VSS.245.CR120.03.C25–8D	CR12	24.5	196	276	25	WCMX030208	M2	T6	M2.5	T8	
VSS.250.CR120.03.C32–8D	CR12	25	200	280	32	WCMX030208	M2	T6	M2.5	T8	
VSS.255.CR130.03.C32–8D	CR13	25.5	204	289	32	WCMX030208	M2.5	T8	M2.5	T8	
VSS.260.CR130.03.C32–8D	CR13	26	208	293	32	WCMX030208	M2.5	T8	M2.5	T8	
VSS.265.CR130.03.C32–8D	CR13	26.5	212	297	32	WCMX030208	M2.5	T8	M2.5	T8	
VSS.270.CR150.03.C32–8D	CR15	27	216	301	32	WCMX030208	M2.5	T8	M2.5	T8	
VSS.275.CR150.03.C32–8D	CR15	27.5	220	305	32	WCMX030208	M2.5	T8	M2.5	T8	
VSS.280.CR160.03.C32–8D	CR16	28	224	309	32	WCMX030208	M2.5	T8	M2.5	T8	
VSS.285.CR170.04.C32–8D	CR17	28.5	228	313	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.290.CR170.04.C32–8D	CR17	29	232	317	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.295.CR170.04.C32–8D	CR17	29.5	236	321	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.300.CR170.04.C32–8D	CR17	30	240	325	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.305.CR170.04.C32–8D	CR17	30.5	244	329	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.310.CR170.04.C32–8D	CR17	31	248	333	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.315.CR170.04.C32–8D	CR17	31.5	252	337	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.320.CR175.04.C32–8D	CR17.5	32	256	341	32	WCMX040208	M2.5	T8	M2.5	T8	
VSS.325.CR150.05.C32–8D	CR15	32.5	260	345	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.330.CR150.05.C32–8D	CR15	33	264	349	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.335.CR150.05.C32–8D	CR15	33.5	268	353	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.340.CR150.05.C32–8D	CR15	34	272	357	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.345.CR170.05.C32–8D	CR17	34.5	276	361	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.350.CR170.05.C32–8D	CR17	35	280	365	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.355.CR170.05.C32–8D	CR17	35.5	284	369	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.360.CR175.05.C32–8D	CR17.5	36	288	373	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.365.CR175.05.C32–8D	CR17.5	36.5	292	377	32	WCMX050308	M2.5	T8	M3.0	T10	
VSS.370.CR210.05.C32–8D	CR21	37	296	381	32	WCMX050308	M3.0	T10	M3.0	T10	
VSS.375.CR210.05.C32–8D	CR21	37.5	300	385	32	WCMX050308	M3.0	T10	M3.0	T10	
VSS.380.CR210.05.C32–8D	CR21	38	304	389	32	WCMX050308	M3.0	T10	M3.0	T10	
VSS.385.CR210.05.C32–8D	CR21	38.5	308	393	32	WCMX050308	M3.0	T10	M3.0	T10	
VSS.390.CR210.05.C32–8D	CR21	39	312	397	32	WCMX050308	M3.0	T10	M3.0	T10	
VSS.395.CR210.05.C32–8D	CR21	39.5	316	401	32	WCMX050308	M3.0	T10	M3.0	T10	
VSS.400.CR210.05.C32–8D	CR21	40	320	405	32	WCMX050308	M3.0	T10	M3.0	T10	

LWC快速留芯钻

LWC hollow drill





中心给水型搭配舍弃式刀片

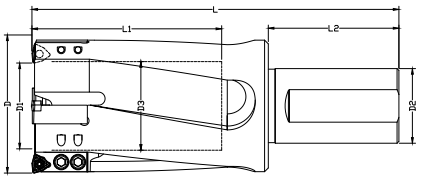
Central feed type collocation abandon type blade

有效加工长 Effective length L:200mm	外径 Outer dia	内径 Inner dia	柄径 Shank	边刀片 Edge inser	刀片螺丝 Insert screw	刀片扳手 Insert wrench	重量 Kg
LWC38–50L–C32	38	20	32	WCMT 04 02 08	M2.5x6	T8	
LWC40–50L–C40	40	14	40				
LWC45–50L–C40	45	19	40				
LWC50–50L–C40	50	24	40	WCMT 05 03 08	M3.0x7	T10	
LWC55–50L–C40	55	29	40				
LWC60–50L–C40	60	34	40				
LWC65–50L–C40	65	39	40				
LWC70–50L–C50	70	44	50				
LWC75–50L–C50	75	49	50				
LWC80–5OL–C50	80	54	50				
LWC85–50L–C50	85	59	50				
LWC90–50L–C50	90	64	50				
LWC95–50L–C50	95	69	50				
LWC100–50L–C50	100	74	50				
LWC50–100L–C40	50	24	40				
LWC55–100L–C40	55	29	40				
LWC60–100L–C40	60	34	40				
LWC65–100L–C40	65	39	40				
LWC70–100L–C50	70	44	50				
LWC75–100L–C50	75	49	50				
LWC80–100L–C50	80	54	50				
LWC85–100L–C50	85	59	50				
LWC90–100L–C50	90	64	50				
LWC95–100L–C50	95	69	50				
LWC100–100L–C50	100	74	50				
LWC50–150L–C40	50	24	40				
LWC55–150L–C40	55	29	40				
LWC60–150L–C40	60	34	40				
LWC65–150L–C40	65	39	40				
LWC70–150L–C50	70	44	50				
LWC75–150L–C50	75	49	50				
LWC80–150L–C50	80	54	50				
LWC85–150L–C50	85	59	50				
LWC90–150L–C50	90	64	50				
LWC95–150L–C50	95	69	50				
LWC100–150L–C50	100	74	50				

LWC快速留芯钻

LWC hollow drill





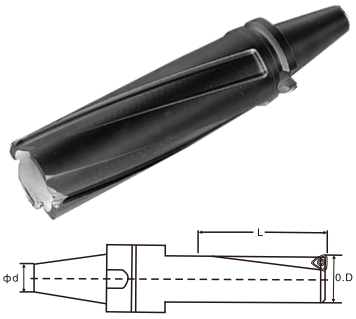
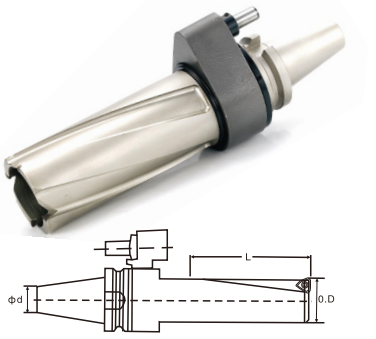
中心给水型搭配舍弃式刀片

Central feed type collocation abandon type blade

有效加工长 Effective length L:200mm	外径 Outer dia	内径 Inner dia	柄径 Shank	边刀片 Edge inser	刀片螺丝 Insert screw	刀片扳手 Insert wrench	重量 Kg
LWC105–100L–C50	105	79	50	WCMT 05 03 08	M3.0x7	T10	
LWC110–100L–C50	110	84	50				
LWC115–100L–C50	115	89	50				
LWC120–100L–C50	120	90	50	WCMT 06 T3 08	M3.5x8	T15	
LWC125–100L–C50	125	95	50				
LWC130–100L–C50	130	100	50				
LWC135–100L–C50	135	105	50				
LWC140–100L–C50	140	110	50				
LWC145–100L–C50	145	115	50				
LWC150–100L–C50	150	120	50				
LWC105–150L–C50	105	79	50	WCMT 05 03 08	M3.0x7	T10	
LWC110–150L–C50	110	84	50				
LWC115–150L–C50	115	89	50				
LWC120–150L–C50	120	90	50	WCMT 06 T3 08	M3.5x8	T15	
LWC125–150L–C50	125	95	50				
LWC130–150L–C50	130	100	50				
LWC135–150L–C50	135	105	50				
LWC140–150L–C50	140	110	50				
LWC145–150L–C50	145	115	50				
LWC150–150L–C50	150	120	50				
LWC155–100L–C50	155	125	50	WCMT 06 T3 08	M3.5x8	T15	
LWC160–100L–C50	160	130	50				
LWC165–100L–C50	165	135	50				
LWC170–100L–C50	170	140	50				
LWC175–100L–C50	175	145	50				
LWC180–100L–C50	180	150	50				
LWC185–100L–C50	185	155	50				
LWC190–100L–C50	190	160	50				
LWC195–100L–C50	195	165	50				
LWC200–100L–C50	200	170	50				
LWC155–150L–C50	155	125	50	WCMT 06 T3 08	M3.5x8	T15	
LWC160–150L–C50	160	130	50				
LWC165–150L–C50	165	135	50				
LWC170–150L–C50	170	140	50				
LWC175–150L–C50	175	145	50				
LWC180–150L–C50	180	150	50				
LWC185–150L–C50	185	155	50				
LWC190–150L–C50	190	160	50				
LWC195–150L–C50	195	165	50				
LWC200–150L–C50	200	170	50				

LWC留心钻头

LWC indexable hollow drill

中心给水型 Central water supply type	中心给水可自动换刀型 Center water supply can be automatically change knife type	油路刀把型 Oil tool holder type
		

有效加工长 Effective length L:200mm	重量 Kg	有效加工长 Effective length L:200mm	重量 Kg	外径 Outer dia	内径 Inner dia	刀片 Insert	螺钉 Screw	扳手 Wrench
BT50-60-200L		BT50-60-250L		60	34	WCMT 05 06 08	M3.0×7	T10
BT50-65-200L		BT50-65-250L		65	39			
BT50-70-200L		BT50-70-250L		70	44			
BT50-75-200L		BT50-75-250L		75	49			
BT50-80-200L		BT50-80-250L		80	54			
BT50-85-200L		BT50-85-250L		85	59			
BT50-90-200L		BT50-90-250L		90	64			
BT50-95-200L		BT50-95-250L		95	69			
BT50-100-200L		BT50-100-250L		100	74			
BT50-105-200L		BT50-105-250L		105	79			
BT50-110-200L		BT50-110-250L		110	84			
BT50-115-200L		BT50-115-200L		115	89			
BT50-120-200L		BT50-120-250L		120	90	WCMT 06 T3 08	M3.0×8	T15
BT50-125-200L		BT50-125-250L		125	95			
BT50-130-200L		BT50-130-250L		130	100			
BT50-135-200L		BT50-135-250L		135	105			
BT50-140-200L		BT50-140-250L		140	110			
BT50-145-200L		BT50-145-250L		145	115			
BT50-150-200L		BT50-150-250L		150	120			
BT50-155-200L		BT50-155-250L		155	125			
BT50-160-200L		BT50-160-250L		160	130			
BT50-165-200L		BT50-165-250L		165	135			
BT50-170-200L		BT50-170-250L		170	140			
BT50-175-200L		BT50-175-250L		175	145			
BT50-180-200L		BT50-180-250L		180	150			
BT50-185-200L		BT50-185-250L		185	155			
BT50-190-200L		BT50-190-250L		190	160			
BT50-195-200L		BT50-195-250L		195	165			
BT50-200-200L		BT50-200-250L		200	170			

TOGT钻头尺寸配件明细表

TOGT drill bit size accessory list





L= 100~500mm
501~1000mm
1001~1500mm
1501~2000mm

产品规格 Product specifications	刀体外径 Outside diameter	使用刀片 Use inser	使用导向条 Use guide bars	刀片螺丝 Inser screw	导向条螺丝 Guide strip screw	扳手 Wrench
9.5–10.02–40长	Φ10.6	ZSGT060204R	GP04–045	M2.5x3.5	M2x3.5	T6/T7
10.1–10.9–40长	Φ11.1	ZSGT060204R	GP04–045	M2.5x3.5	M2x3.5	T6/T7
11–11.45–40长	Φ11	ZSGT060204R	GP04–045	M2.5x4	M2x3.5	T6/T7
11.52–40长	Φ11.5	ZSGT060204R	GP04–050	M2.5x4	M2x3.5	T6/T7
11.52–40长	Φ12	LOGT060204R–IC908	GP04–055	M2.5x4.5	M2x4	T6/T8
12.02–40长	Φ12.5	LOGT060204R–IC908	GP04–055	M2.5x4.5	M2x4	T6/T8
12.52–40长	Φ13	LOGT060204R–IC908	GP04–055	M2.5x4.5	M2x4	T6/T8
13.02–40长	Φ13.5	LOGT060204R–IC908	GP04–055	M2.5x5	M2x4	T6/T8
13.52–40长	Φ14	LOGT060204R–IC908	GP04–055	M2.5x5	M2x4	T6/T8
14.02–45长	Φ14.5	TOGT070304R–DT	GP05–060	M2.5x5	M2.2x4.5	T7/T8
14.52–45长	Φ15	TOGT070304R–DT	GP05–060	M2.5x5	M2.2x4.5	T7/T8
15.02–45长	Φ15.5	TOGT070304R–DT	GP05–060	M2.5x6	M2.2x4.5	T7/T8
15.52–45长	Φ16	TOGT070304R–DT	GP05–060	M2.5x6	M2.2x4.5	T7/T8
16.02–50长	Φ16.5	TOGT080305R–DT	GP05–075	M2.5x6	M2.2x4.5	T7/T8
16.52–50长	Φ17	TOGT080305R–DT	GP05–075	M2.5x6	M2.2x4.5	T7/T8
17.02–50长	Φ17.5	TOGT080305R–DT	GP05–075	M2.5x6	M2.2x4.5	T7/T8
17.52–50长	Φ18	TOGT080305R–DT	GP05–075	M2.5x6	M2.2x4.5	T7/T8
18.02–55长	Φ18.5	TOGT090305R–DT	GP06–085	M2.5x6	M2.5x5	T8
18.52–55长	Φ19	TOGT090305R–DT	GP06–085	M2.5x6	M2.5x5	T8
19.02–55长	Φ19.3	TOGT090305R–DT	GP06–085	M2.5x6	M2.5x6	T8
19.52–55长	Φ19.8	TOGT090305R–DT	GP06–085	M2.5x6	M2.5x6	T8
20.02–60长	Φ20.3	TOGT100305R–DT	GP06–085	M3x7	M2.5x6	T8/T10
20.52–60长	Φ20.8	TOGT100305R–DT	GP06–085	M3x7	M2.5x6	T8/T10
21.02–60长	Φ21.3	TOGT100305R–DT	GP06–100	M3x7	M2.5x6	T8/T10
21.52–60长	Φ21.8	TOGT100305R–DT	GP06–100	M3x7	M2.5x6	T8/T10
22.02–65长	Φ22.3	TOGT110405R–DT	GP06–100	M3.5x8	M2.5x6	T8/T15
22.52–65长	Φ22.8	TOGT110405R–DT	GP06–100	M3.5x8	M2.5x6	T8/T15
23.02–65长	Φ23.3	TOGT110405R–DT	GP06–100	M3.5x9	M2.5x6	T8/T15
23.52–65长	Φ23.8	TOGT110405R–DT	GP06–100	M3.5x9	M2.5x6	T8/T15
24.02–70长	Φ24.2	TOGT110405R–DT	GP06–100	M3.5x9	M2.5x6	T8/T15
24.52–70长	Φ24.7	TOGT110405R–DT	GP06–100	M3.5x9	M2.5x6	T8/T15
25.02–70长	Φ25.2	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
25.52–70长	Φ25.7	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
26.02–75长	Φ26.1	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
26.52–75长	Φ26.6	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
27.02–75长	Φ27	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
27.52–75长	Φ27.5	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
28.02–80长	Φ28	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
28.52–80长	Φ28.5	TOGT120405R–DT	GP06–120	M4x10	M2.5x6	T8/T15
29.02–80长	Φ29	TOGT130408R–DT	GP06–120	M5x11	M2.5x6	T8/T20
29.52–80长	Φ29.5	TOGT130408R–DT	GP06–120	M5x11	M2.5x6	T8/T20
30.02–85长	Φ30	TOGT130408R–DT	Gp07	M5x11	M3x6.5	T8/T20
30.52–85长	Φ30.5	TOGT130408R–DT	Gp07	M5x11	M3x6.5	T8/T20
31.02–85长	Φ32	TOGT130408R–DT	Gp07	M5x11	M3x6.5	T8/T20
31.52–85长	Φ32.5	TOGT130408R–DT	Gp07	M5x11	M3x6.5	T8/T20
33.02–85长		TOGT140508R–DT	Gp07	M5x13	M3x6.5	T8/T20
33.52–85长		TOGT140508R–DT	Gp07	M5x13	M3x6.5	T8/T20

偏心套

Eccentric sleeve



型号 Cat.No	外径 ΦD	内径 Φd1	长度 L
EC32–20	32	20	60
EC32–25	32	25	60
EC40–20	40	20	65
EC40–25	40	25	65
EC40–32	40	32	65

功能: Function:

–可以调小20丝 - Can be reduced by 20 threads

+可以调大40丝 +Can be increased by 40 threads

铣削应用

在铣床加工时，如需改变正常加工孔的直径，可调整偏心套的轴向位置

Milling applications

During milling, if it is necessary to change the diameter of the normal machining hole, the axial position of the eccentric sleeve can be adjusted



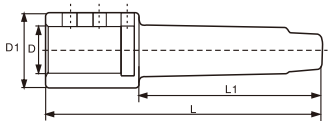
如想扩大孔径，顺时针旋转套筒；如希望缩小孔径，逆时针旋转套筒，具体如下：钻头直径：30mm

To expand the aperture, rotate the sleeve clockwise; If you want to reduce the aperture, rotate the sleeve counterclockwise as follows: Drill diameter: 30mm

莫式转换柄

Mo style conversion handle





型号 Cat.No	D	D1	L	L1
MTA5–SLA032	32	64	204	156
MTA5–SLA040	40	64	203	156
MTA6–SLA032	32	64	303	218
MTA6–SLA040	40	64	303	218
MTA6–SLA050	50	74	303	218

车床刀座

Lathe tool holder





规格 Specifications	总长 Length	总宽 Width	总高 Height	中心高 Center height	台阶长 Step length	孔 Hole	螺丝 Screw
20–20	65	56	42	20	20	20	M8
20–25	65	56	47	20	20	25	M8
25–20	70	67	53	25	25	20	M8
25–25	70	67	53	25	25	25	M8
25–32	82	74	59	25	25	32	M10
25–40	91	82	64	25	25	40	M10
32–32	87	80	67	32	32	32	M10
32–40	100	98	75	32	32	40	M10

简易式油路刀柄

Simple oil circuit tool handle

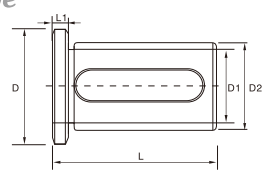


型号 Cat.No
MTA4–OSM25
MTA4–OSM32
MTA4–OSM40
MTA5–OSM25
MTA5–OSM32
MTA5–OSM40

U钻 变径套

U-drill variable diameter sleeve





型号 Cat.No	D1	D2	D	L
OSL 25–20	20	25	41	60
OSL 32–20	20	32	49	64
OSL 32–25	25	32	49	64
OSL 40–25	25	40	58	71
OSL 40–32	32	40	58	71

径向跳动：≦0.008mm

用于油路刀柄的变径选择

同心度高、–柄多用、节约成本

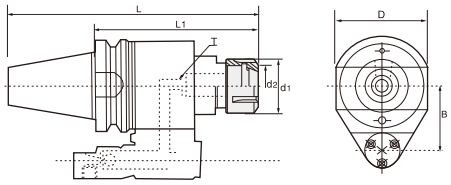
Radial runout: ≤ 0.008mm

Variable diameter selection for oil circuit tool holders

High concentricity, versatile handle, and cost saving

ERO 油路刀把

ERO oil tool holder

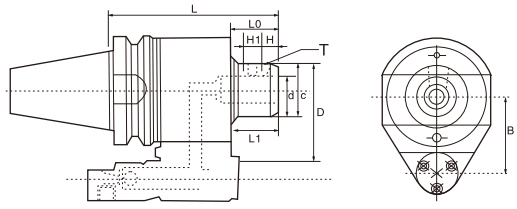




型号 Cat.No	尺寸(mm) Dimension					B	T	重量 Weight (KG)
	L1	L	D	d1	d2			
BT40-ERO16-165	165	225.4	82	28	16	65	M10	3.80
BT40-ERO20-165				34	20		M12	4.10
BT40-ERO25-165				42	25		M16	4.30
BT40-ERO32-165				50	32			4.50
BT50-ERO16-170	170	261.8	98	28	16	80	M10	7.00
BT50-ERO20-170				34	20		M12	8.76
BT50-ERO25-170				42	25		M16	7.20
BT50-ERO32-170				50	32			7.30
BT50-ERO40-170				63	40		M20	7.50

SLO侧固式油路刀把

SLO side fixed oil tool holder





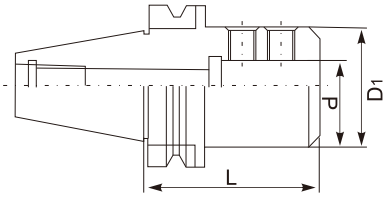
型号 Cat.No	尺寸(mm) Dimension							B	T	重量 Weight (KG)
	L	L1	H	H1	D	d	c			
BT40-SLO16-165	165	58	25	-	82	16	46.5	65	M12x1.75P	3.10
BT40-SLO20-165	165	60	25	-	82	20	46.5	65	M12x1.75P	3.50
BT40-SLO25-165	165	66	15	20	82	25	46.5	65	M12x1.75P	3.50
BT40-SLO32-165	165	70	15	20	82	32	47	65	M12x1.75P	5.20
BT50-SLO16-165	165	58	24	-	98	16	56	80	M14x2.0P	7.00
BT50-SLO20-165	165	60	25	-	98	20	56	80	M12x1.75P	7.50
BT50-SLO25-165	165	70	15	20	98	25	56	80	M16x2.0P	7.50
BT50-SLO32-165	165	70	15	20	98	32	56	80	M16x2.0P	7.80
BT50-SLO40-170	170	70	15	25	105	40	56	80	M14x2.0P	8.50

侧固式粗搪孔用BT刀把

Side lock BT holder

型号 Cat.No	内孔径 Inner dia ΦD	外径 Outer dia Φd1	参考长 Lenght L
BT40-SLN-16	16	45	75
BT40-SLN-20	20	50	75
BT50-SLN-16	16	45	105
BT50-SLN-20	16	50	105
BT40-SLN-25	25	55	75
BT40-SLN-32	32	60	75
BT50-SLN-25	25	55	75
BT50-SLN-32	32	60	90
BT50-SLN-40	40	80	105
BT50-SLN-50	50	95	105
BT50-SLN-50.8	50.8	95	105

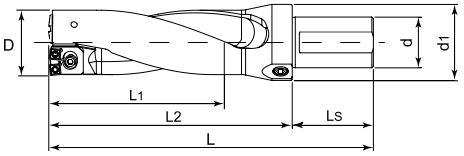




SP大直径钻头

SP large diameter indexable drill





• 钻深：3.5XD 直径

3.5xD

型号 Cat.No	尺寸（mm） Dimension							刀片 Insert	配件 Accessories				力矩 (N.cm)
	D	d	d1	L	L1	L2	Ls		螺钉 Screw pin	外刃刀夹 Outer edge seat	中心刀夹 Centering Fixture	调整片 Adjustment sheet	
SP51–53–50T2–07CA–T–2.5D	51	50	75	303	186	223	80	SPMG 07T308 DG/DA/DK	TS 250641	TDR 07CA–P1–T	TDR 07CA–C1–T	–	100–130
	52	50	75	303	186	223	80		TS 250641	TDR 07CA–P1–T	TDR 07CA–C1–T	TDP–0701	100–130
	53	50	75	303	186	223	80		TS 250641	TDR 07CA–P1–T	TDR 07CA–C1–T	TDP–0702	100–130
SP54–56–50T2–07CA–T–2.5D	54	50	75	316	196	236	80	SPMG 07T308 DG/DA/DK	TS 250641	TDR 07CA–P2–T	TDR 07CA–C2–T	–	100–130
	55	50	75	316	196	236	80		TS 250641	TDR 07CA–P2–T	TDR 07CA–C2–T	TDP–0701	100–130
	56	50	75	316	196	236	80		TS 250641	TDR 07CA–P2–T	TDR 07CA–C2–T	TDP–0702	100–130
SP57–62–50T2–09CA–T–2.5D	57	50	75	343	217	263	80	SPMG 090408 DG/DA/DK	TS 350881	TDR 09CA–P1–T	TDR 09CA–C1–T	–	300–340
	58	50	75	343	217	263	80		TS 350881	TDR 09CA–P1–T	TDR 09CA–C1–T	TDP–0901	300–340
	59	50	75	343	217	263	80		TS 350881	TDR 09CA–P1–T	TDR 09CA–C1–T	TDP–0902	300–340
	60	50	75	343	217	263	80		TS 350881	TDR 09CA–P1–T	TDR 09CA–C1–T	TDP–0903	300–340
	61	50	75	343	217	263	80		TS 350881	TDR 09CA–P1–T	TDR 09CA–C1–T	TDP–0904	300–340
	62	50	75	343	217	263	80		TS 350881	TDR 09CA–P1–T	TDR 09CA–C1–T	TDP–0905	300–340
SP63–66–50T2–09CA–T–2.5D	63	50	75	361	231	281	80	SPMG 090408 DG/DA/DK	TS 350881	TDR 09CA–P2–T	TDR 09CA–C2–T	–	300–340
	64	50	75	361	231	281	80		TS 350881	TDR 09CA–P2–T	TDR 09CA–C2–T	TDP–0901	300–340
	65	50	75	361	231	281	80		TS 350881	TDR 09CA–P2–T	TDR 09CA–C2–T	TDP–0902	300–340
	66	50	75	393	231	281	80		TS 350881	TDR 09CA–P2–T	TDR 09CA–C2–T	TDP–0903	300–340
SP67–73–50T2–11CA–T–2.5D	67	50	75	393	256	313	80	SPMG 110408 DG/DA/DK	TS 400931	TDR 11CA–P1–T	TDR 11CA–C1–T	–	450–520
	68	50	75	393	256	313	80		TS 400931	TDR 11CA–P1–T	TDR 11CA–C1–T	TDP–1101	450–520
	69	50	75	393	256	313	80		TS 400931	TDR 11CA–P1–T	TDR 11CA–C1–T	TDP–1102	450–520
	70	50	75	393	256	313	80		TS 400931	TDR 11CA–P1–T	TDR 11CA–C1–T	TDP–1103	450–520
	71	50	75	393	256	313	80		TS 400931	TDR 11CA–P1–T	TDR 11CA–C1–T	TDP–1104	450–520
	72	50	75	393	256	313	80		TS 400931	TDR 11CA–P1–T	TDR 11CA–C1–T	TDP–1105	450–520
	73	50	75	393	256	313	80		TS 400931	TDR 11CA–P1–T	TDR 11CA–C1–T	TDP–1106	450–520
SP74–80–50T2–12CA–T–2.5D	74	50	75	410	280	330	80	SPMG 110408 DG	TS 400931	TDR 12CA–P2–T	TDR 12CA–C2–T	–	450–520
	75	50	75	410	280	330	80		TS 400931	TDR 12CA–P2–T	TDR 12CA–C2–T	TDP–1101	450–520
	76	50	75	410	280	330	80		TS 400931	TDR 12CA–P2–T	TDR 12CA–C2–T	TDP–1102	450–520
	77	50	75	410	280	330	80		TS 400931	TDR 12CA–P2–T	TDR 12CA–C2–T	TDP–1103	450–520
	78	50	75	410	280	330	80		TS 400931	TDR 12CA–P2–T	TDR 12CA–C2–T	TDP–1104	450–520
	79	50	75	410	280	330	80		TS 400931	TDR 12CA–P2–T	TDR 12CA–C2–T	TDP–1105	450–520
	80	50	75	410	280	330	80		TS 400931	TDR 12CA–P2–T	TDR 12CA–C2–T	TDP–1106	450–520

刀夹备件

Cartridge spare part

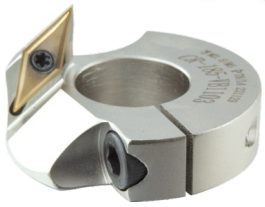
刀夹 Cartridge	刀夹锁紧螺钉 Cartridge clamping screw	垫圈 Washer	调整片螺钉 Setting plate screw
SP 07CA–P1–T	SH M4X0.7X16	MW 4.3X8	TS 20043I/HG–P
SP 07CA–C1–T	SH M4X0.7X16	MW 4.3X8	–
SP 07CA–P2–T	SH M4X0.7X16	MW 4.3X8	TS 20043I/HG–P
SP 07CA–C2–T	SH M4X0.7X16	MW 4.3X8	–
SP 09CA–P1–T	SH M5X0.8X16	MW 5.5X10	SO 30055I
SP 09CA–C1–T	SH M5X0.8X16	MW 5.5X10	–
SP 09CA–P2–T	SH M5X0.8X16	MW 5.5X10	SO 30055I
SP 09CA–C2–T	SH M5X0.8X16	MW 5.5X10	–
SP 11CA–P1–T	SH M6X1X20	MW 6.4X12	SO 30055I
SP 11CA–C1–T	SH M6X1X20	MW 6.4X12	–
SP 12CA–P2–T	SH M6X1X20	MW 6.4X12	SO 30055I
SP 12CA–C2–T	SH M6X1X20	MW 6.4X12	–

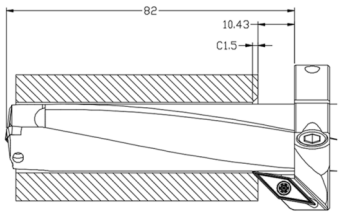
45° 倒角环

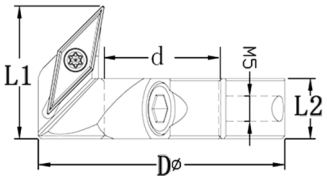
45° chamfer ring

新品推荐







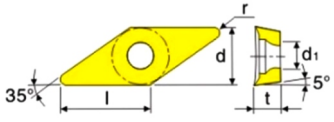


型号 Cat.No	尺寸(mm) Dimension				刀片 Insert	螺钉 Screw	扳手 Wrench
	D	d	L1	L2			
CR-120-CV1003	32	12	20	10	VCGT1003	M2.5*6	T8
CR-125-CV1003	32.5	12.5	20	10			
CR-130-CV1003	33	13	20	10			
CR-135-CV1003	33.5	13.5	20	10			
CR-140-CV1003	34	14	20	10			
CR-145-CV1003	34.5	14.5	20	10			
CR-150-CV1003	35	15	20	10			
CR-155-CV1003	35.5	15.5	20	10			
CR-160-CV1003	36	16	20	10			
CR-165-CV1003	36.5	16.5	20	10			
CR-170-CV1003	37	17	20	10			
CR-175-CV1003	37.5	17.5	20	10			
CR-180-CV1003	38	18	20	10			
CR-185-CV1003	38.5	18.5	20	10			
CR-190-CV1003	39	19	20	10			
CR-195-CV1003	39.5	19.5	20	10			
CR-200-CV1003	40	20	20	10			
CR-205-CV1003	40.5	20.5	20	10	VCGT100304	M2.5*6	T8
CR-210-CV1003	41	21	20	10			
CR-215-CV1003	41.5	21.5	20	10			
CR-220-CV1003	42	22	20	10			
CR-225-CV1003	42.5	22.5	20	10			
CR-230-CV1003	43	23	20	10			
CR-235-CV1003	43.5	23.5	20	10			
CR-240-CV1003	44	24	20	10			
CR-245-CV1003	44.5	24.5	20	10			
CR-250-CV1003	45	25	20	10			
CR-255-CV1003	45.5	25.5	20	10			
CR-260-CV1003	46	26	20	10			
CR-265-CV1003	46.5	26.5	20	10			
CR-270-CV1003	47	27	20	10			
CR-275-CV1003	47.5	27.5	20	10			
CR-280-CV1003	48	28	20	10			
CR-285-CV1003	48.5	28.5	20	10			
CR-290-CV1003	49	29	20	10			
CR-295-CV1003	49.5	29.5	20	10			
CR-300-CV1003	50	30	20	10			
CR-305-CV1003	50.5	30.5	20	10			
CR-310-CV1003	51	31	20	10			
CR-315-CV1003	51.5	31.5	20	10	VCGT100304	M2.5*6	T8
CR-320-CV1003	52	32	20	10			
CR-325-CV1003	52.5	32.5	20	10			
CR-330-CV1003	53	33	20	10			
CR-335-CV1003	53.5	33.5	20	10			
CR-340-CV1003	54	34	20	10			
CR-345-CV1003	54.5	34.5	20	10			
CR-350-CV1003	55	35	20	10			
CR-355-CV1003	55.5	35.5	20	10			
CR-360-CV1003	56	36	20	10			
CR-365-CV1003	56.5	36.5	20	10			
CR-370-CV1003	57	37	20	10			
CR-375-CV1003	57.5	37.5	20	10			
CR-380-CV1003	58	38	20	10			
CR-385-CV1003	58.5	38.5	20	10			
CR-390-CV1003	59	39	20	10			
CR-395-CV1003	59.5	39.5	20	10			
CR-400-CV1003	60	40	20	10			

适用刀片

Applicable insert





型号 Cat.No	涂层 Coating	尺寸(mm) Dimension				
		l	d	t	r	d1
VCGT100304	●				0.2	

专利产品
请勿模仿

DFC侧铣刀三面刃铣刀盘

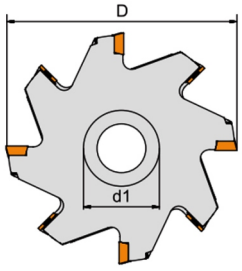
DFC side milling cutter three edge milling cutter

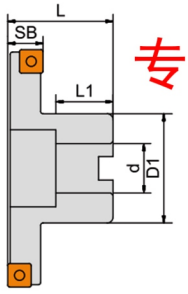


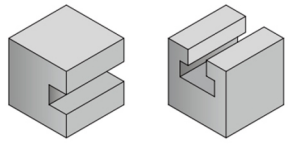


新品推荐

专利产品 请勿模仿







型号 Cat.No	尺寸（mm） Dimension								刀片 Insert	螺钉 Screw	扳手 Wrench
	D	SB	L	L1	D1	d1	d	T			
DFC.B.080.Z08.06.22	80	6	40	22	42	32	22	2×4	SPGT050204	M2.2*5	T6
DFC.B.080.Z08.07.22		7									
DFC.B.080.Z08.08.22		8							SPGT060204	M2.2*6	T7
DFC.B.080.Z08.09.22		9									
DFC.B.080.Z08.10.22		10									
DFC.B.080.Z08.11.22		11							SPGT07T308	M2.5*8	T8
DFC.B.100.Z10.06.27	100	6	40	22	50	32	27	2×5	SPGT050204	M2.2*5	T6
DFC.B.100.Z10.07.27		7									
DFC.B.100.Z10.08.27		8							SPGT060204	M2.2*6	T7
DFC.B.100.Z10.09.27		9									
DFC.B.100.Z10.10.27		10									
DFC.B.100.Z10.11.27		11							SPGT07T308	M2.5*8	T8
DFC.B.100.Z10.12.27		12									
DFC.B.100.Z10.14.27		14							SPGT090408	M3.5*10	T15
DFC.B.100.Z10.16.27		16									
DFC.B.125.Z12.06.32	125	6	45	25	70	46	32	2×6	SPGT050204	M2.2*5	T6
DFC.B.125.Z12.07.32		7									
DFC.B.125.Z12.08.32		8							SPGT060204	M2.2*6	T7
DFC.B.125.Z12.09.32		9									
DFC.B.125.Z12.10.32		10									
DFC.B.125.Z12.11.32		11							SPGT07T308	M2.5*8	T8
DFC.B.125.Z12.12.32		12									
DFC.B.125.Z12.14.32		14							SPGT090408	M3.5*10	T15
DFC.B.125.Z12.16.32		16									
DFC.B.125.Z12.18.32		18						2×5	SPGT110408	M4*10	T15
DFC.B.125.Z12.20.32		20									
DFC.B.125.Z12.25.32		25							SPGT140512	M5*12	T20
DFC.B.160.Z16.11.40	160	11	50	28	80	52	40	2×8	SPGT07T308	M2.5*8	T8
DFC.B.160.Z16.12.40		12									
DFC.B.160.Z16.14.40		14							SPGT090408	M3.5*10	T15
DFC.B.160.Z16.16.40		16									
DFC.B.160.Z16.18.40		18						2×6	SPGT110408	M4*10	T15
DFC.B.160.Z16.20.40		20									
DFC.B.160.Z16.25.40		25							SPGT140512	M5*12	T20
DFC.B.200.Z18.14.40	200	14	50	28	90	52	40	2×9	SPGT090408	M3.5*10	T15
DFC.B.200.Z18.16.40		16									
DFC.B.200.Z18.18.40		18						2×7	SPGT110408	M4*10	T15
DFC.B.200.Z18.20.40		20									
DFC.B.200.Z18.25.40		25							SPGT140512	M5*12	T20

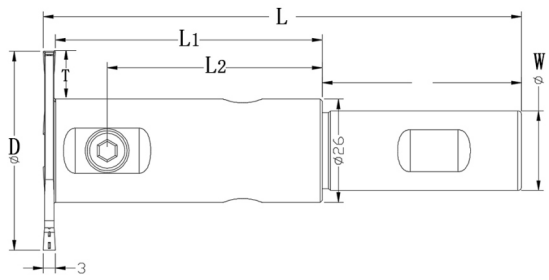
T型槽铣刀-竹蜻蜓系列

T-slot milling cutter



新品推荐

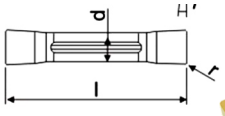
专利产品 请勿模仿



型号 Cat.No	尺寸（mm） Dimension					刀片 Insert	螺钉 Screw	扳手 Wrench
	D	W	T	L	N			
DKT.D50.C20.120L.Z2.12T.2N	50	20	12	120	2	CRT300	M6	5mm
DKT.D50.C20.120L.Z2.12T.3N	50	20	12	120	3	CRT300		
DKT.D50.C20.120L.Z2.12T.4N	50	20	12	120	4	CRT400		
DKT.D50.C20.120L.Z2.12T.5N	50	20	12	120	5	CRT500		
DKT.D50.C20.120L.Z2.12T.6N	50	20	12	120	6	CRT600		
DKT.D50.C20.120L.Z2.12T.8N	50	20	17	120	8	CRT800		
DKT.D63.C25.120L.Z2.17T.3N	63	25	17	120	3	CRT300		
DKT.D63.C25.120L.Z2.17T.4N	63	25	17	120	4	CRT400		
DKT.D63.C25.120L.Z2.17T.5N	63	25	17	120	5	CRT500		
DKT.D63.C25.120L.Z2.17T.6N	63	25	17	120	6	CRT600		
DKT.D63.C25.120L.Z2.17T.8N	63	25	17	120	8	CRT800		
DKT.D80.C32.120L.Z2.21T.3N	80	32	21	120	3	CRT300		
DKT.D80.C32.120L.Z2.21T.4N	80	32	21	120	4	CRT400		
DKT.D80.C32.120L.Z2.21T.5N	80	32	21	120	5	CRT500		
DKT.D80.C32.120L.Z2.21T.6N	80	32	21	120	6	CRT600		
DKT.D80.C32.120L.Z2.21T.8N	80	32	21	120	8	CRT800		

适用刀片

Applicable insert



CRT系列刀片



CRR系列刀片



型号 Cat.No	涂层 Coating
CRT200	●
CRT250	●
CRT300	●
CRT400	●
CRT500	●
CRT600	●

型号 Cat.No	涂层 Coating
CRR200	●
CRR250	●
CRR300	●
CRR400	●
CRR500	●
CRR600	●

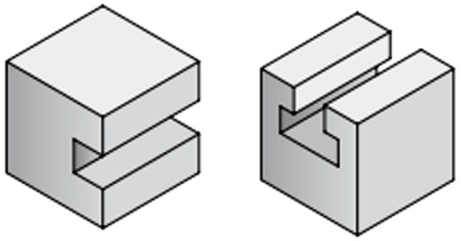
T型槽铣刀

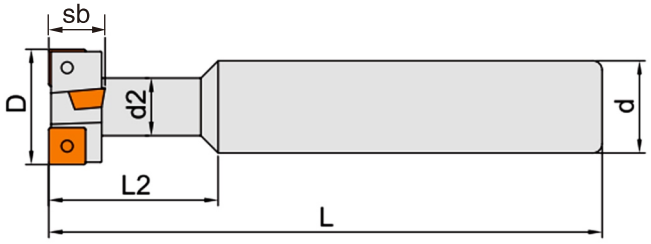
T-slot milling cutter



新品推荐

专利产品 请勿模仿

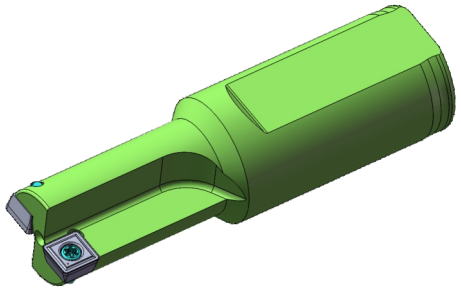


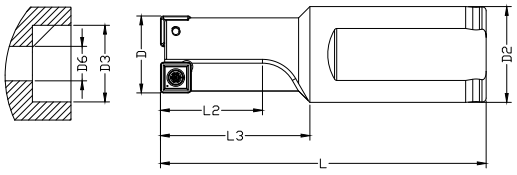


型号 Cat.No	尺寸（mm） Dimension						刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
	D	sb	d2	L2	L	d				
STM1004-095L-2T	10	4	4	17	95	16	SPGT030102	M1.8	T6	
STM1205-095L-3T	12	5	6	20	95	16	SPGT030102	M1.8	T6	
STM1405-095L-3T	14	5	7.5	26	95	16	SPGT040204	M2.5*4	T6	
STM1606-095L-4T	16	6	8	28	95	16	SPGT040204	M2.5*4	T6	
STM1908-095L-4T	19	8	9.5	25	95	16	SPGT050204	M2.2*5	T6	
STM2109-100L-4T	21	9	11	27	100	16	SPGT060204	M2.2*6	T7	
STM2511-110L-4T	25	11	12	31	110	20	SPGT07T308	M2.5*8	T8	
STM3214-110L-4T	32	14	17	39	110	25	SPGT090408	M3.5*10	T15	
STM4018-125L-4T	40	18	21	49	125	25	SPGT110408	M4*10	T15	
STM5022-130L-4T	50	22	27	61	130	30	SPGT140512	M5*12	T20	

CTR-沉孔

CTR - Counterbore





直径 D	尺寸（mm） Dimension					刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
	D2	D6	L	L3	L2				
15.1	20	6.0	81	31.0	8.5	SPMG			
16.1	20	7.0	81	31.0	8.5				
17.1	20	8.0	86	36.0	13.5				
18.1	20	8.4	86	36.0	13.5				
18.1	20	8.4	86	36.0	13.5				
20.1	20	8.5	86	36.0	16.0				
20.1	20	8.5	86	36.0	16.0				
21.1	20	8.5	86	36.0	16.0				
21.1	20	10.5	86	36.0	11.0				
22.1	20	10.4	86	36.0	16.0				
22.1	20	10.5	86	36.0	16.0				
23.1	20	10.5	91	41.0	21.0				
23.1	20	10.5	91	41.0	16.0				
24.1	20	10.5	91	41.0	18.5				
24.1	20	10.5	91	41.0	16.0				
25.1	20	12.0	96	46.0	23.5				
25.1	20	10.5	96	46.0	21.0				
26.1	20	13.0	96	46.0	23.5				
27.1	20	10.5	96	46.0	21.0				
28.1	20	15.0	101	51.0	23.5				
30.1	20	15.0	101	51.0	23.0				
32.1	20	17.0	101	51.0	23.0				
33.1	20	17.0	101	51.0	25.5				
34.1	32	18.0	111	51.0	25.5				
35.1	32	19.0	111	51.0	25.5				
36.1	32	19.0	116	56.0	27.5				
38.1	32	22.0	121	61.0	30.0				
40.1	32	21.0	121	61.0	30.5				
42.1	32	22.0	126	66.0	33.5				
46.1	32	25.0	126	66.0	33.5				

CA 沉头铣刀

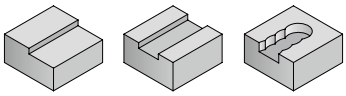
CA High Speed End Mill



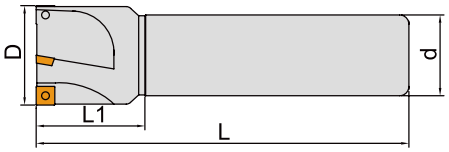
型号 Cat.No	刀具直径 Tool diameter	底孔直径 Hole diameter	深孔深度 Deep hole depth	柄径 Shank diameter	倒角尺寸 Chamfer Dimension	倒角尺寸 Chamfer Dimension	全长 Full lenght	匹配刀片 Matching insert
CA12-18-6.5-100	18	12	6.5	25	0.8	0.8	100	CCMT060204
CA15-21-6.5-120	21	15	6.5		1		120	
CA16-22-6.5-120	22	16	6.5					
CA20-26-6.5-120	26	20	6.5					
CA25-31-6-5-120	31	25	10.5	32	1			CCMT09T304
CA25-31-8.5-120	31	25	8.5					
CA25-31-10.5-120	31	25	10.5					
CA30-36-8.5-120	36	30	8.5					
CA30-36-10.5-120	36	30	10.5					
CA35-41-8.5-120	41	35	8.5					
CA35-41-10.5-120	41	35	10.5					
CA40-46-10.5-120	46	40	10.5					
CA42-48-10.5-120	48	42	10.5					
CA45-52-10.5-120	52	45	10.5					
CA4E-56-10.5-120	55	48	10.5					
CA50-57-12.5-120	57	50	15.5					
CA55-62-10.5-120	62	55	16.5					
CA60-67-15.5-120	67	60	15.5	40			130	
CA70-77-12.5-120	77	70	12.5					
CA70-77-15.5-120	77	70	15.5					
CA80-88-15.5-120	88	80	15.5					
CA80-88-20.5-120	88	80	20.5					
CA90-98-20.5-120	98	80	20.5					

SEM 直角高速铣刀

SEM Shoulder Cutting High Speed End Mill



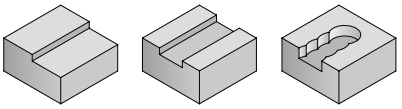




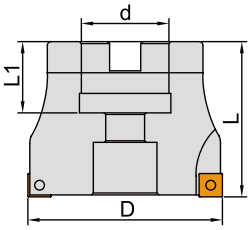
型號 Model	D	L	L1	d	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
SEM 0512C12-2T	12	100	20	12	2	SPMG 050204 TT 特固克 WET威尔特	TS2003 m2.0	TK06 T6
SEM 0513C12-2T	13							
SEM 0514C12-2T	14							
SEM 0515C12-2T	15							
SEM 0616C16-2T	16	120	25	16		SPMG 060204 TT 特固克 WET威尔特	TS2202 m2.2	TK07 T7
SEM 0617C16-2T	17							
SEM 0618C16-2T	18							
SEM 0619C16-2T	19							
SEM 0620C20-3T	20		30	20	3			
SEM 0621C20-3T	21							
SEM 0622C20-3T	22							
SEM 0623C20-3T	23							
SEM 0624C20-3T	24							
SEM 0625C25-4T	25			25	4			
SEM 0626C25-4T	26							
SEM 0627C25-4T	27							
SEM 0628C25-4T	28							
SEM 0629C25-4T	29							
SEM 0630C25-5T	30				5			
SEM 0631C25-5T	31							
SEM 0632C25-5T	32							
SEM 0633C25-5T	33							
SEM 0634C25-5T	34							
SEM 0635C25-5T	35							
SEM 0925C25-3T	25	150	35	25	3	SPMG090408 TT 特固克 WET威尔特	TS3504 m3.5	TK15 T15
SEM 0926C25-3T	26							
SEM 0930C25-3T	30							
SEM 0930C32-4T	30		40	32	4			
SEM 0932C32-4T	32							
SEM 0933C32-4T	33							
SEM 0935C32-4T	35							
SEM 0940C32-4T	40							

SEC 直角高速壳型铣刀

SEC Shoulder Cutting High Speed Shell Type Milling Cutter



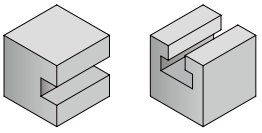




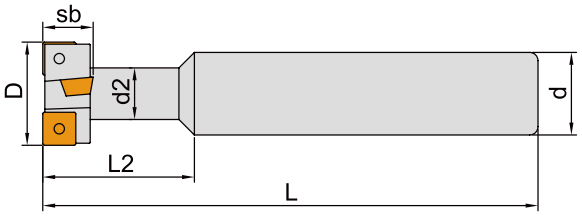
型號 Model	D	L	L1	d	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
SEC 06R04006-16	40	40	18	16	6	SPMG 060204 TT 特固克 WET威尔特	TS2202 m2.2	TK7 T7
SEC 06R05007-22	50	45	20	22	7			
SEC 06R06309-22	63	45	20	22	9			
SEC 06R08011-27	80	50	23	27	11			
SEC 09R04004-16	40	40	18	16	4	SPMG090408 TT 特固克 WET威尔特	TS3504 m3.5	TK15 T15
SEC 09R05005-22	50	45	20	22	5			
SEC 09R06306-22	63	45	20	22	6			
SEC 09R08007-27	80	50	23	27	7			
SEC 09R10009-32	100	50	23	32	9			

STM 高速T型刀

STM High Speed T Type Cutter



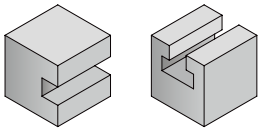




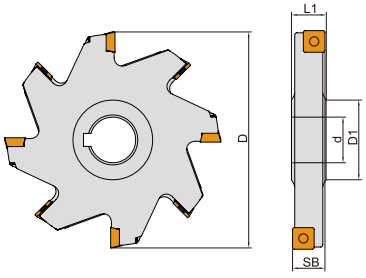
型號 Model	D	sb	d2	L2	L	d	刀片類型 Inserts	螺絲 Screw	板手 Wrench
STM 1005–095L–3T	10	5	4	17	95	16	SPMG030102		
STM 1205–095L–4T	12	5	6	20	95	16	SPMG030102		
STM 1405–095L–4T	14	5	7.5	26	95	16	SPMG040204		
STM 1606–095L–4T	16	6	8	28	95	16	SPMG040204		
STM 1806–095L–4T	18	6	9	32	95	16	SPMG040204		
STM 1908–095L–4T	19	8	9.5	25	95	16	SPMG050204	TS2003	TK06
STM 2109–100L–4T	21	9	11	27	100	16	SPMG060204	TS2202	TK06
STM 2511–110L–4T	25	11	12	31	110	20	SPMG07T308	TS2511	TK08
STM 3214–110L–4T	32	14	17	39	110	25	SPMG090408	TS3504	TK15
STM 4018–125L–4T	40	18	21	49	125	25	SPMG110408	TS4006	TK15
STM 5022–130L–4T	50	22	27	61	130	32	SPMG140512	TS5009	TK20

DFW 高速侧铣三面刀

DFW High Speed Side Milling Cutter



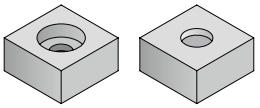




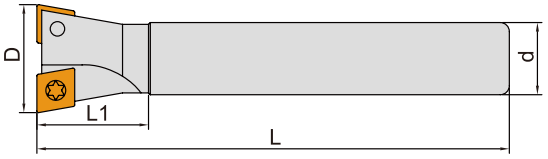
型號 Model	D	SB	d	L1	D1	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
DFW.B.080.Z08.06-22	80	6	22	12	44	2 x 4	SPMG050204	TS2003	TK06
DFW.B.080.Z08.07-22		7							
DFW.B.080.Z08.08-22		8					SPMG060204	TS2202	TK06
DFW.B.080.Z08.09-22		9							
DFW.B.080.Z08.10-22		10							
DFW.B.080.Z08.11-22		11					SPMG07T308	TS2511	TK08
DFW.B.080.Z08.12-22		12							
DFW.B.100.Z10.06-27	100	6	27	12	50	2 x 5	SPMG050204	TS2003	TK06
DFW.B.100.Z10.07-27		7							
DFW.B.100.Z10.08-27		8					SPMG060204	TS2202	TK06
DFW.B.100.Z10.09-27		9							
DFW.B.100.Z10.10-27		10					SPMG07T308	TS2511	TK08
DFW.B.100.Z10.11-27		11							
DFW.B.100.Z10.12-27		12							
DFW.B.100.Z10.14-27		14		16			SPMG090408	TS3504	TK15
DFW.B.100.Z10.16-27		16							
DFW.B.125.Z12.06-32	125	6	32	12	65	2 x 6	SPMG050204	TS2003	TK06
DFW.B.125.Z12.07-32		7							
DFW.B.125.Z12.08-32		8					SPMG060204	TS2202	TK06
DFW.B.125.Z12.10-32		10							
DFW.B.125.Z12.11-32		11					SPMG07T308	TS2511	TK08
DFW.B.125.Z12.12-32		12							
DFW.B.125.Z12.14-32		14		16			SPMG090408	TS3504	TK15
DFW.B.125.Z12.16-32		16							
DFW.B.125.Z10.18-32		18		20		2 x 5	SPMG110408	TS4006	TK15
DFW.B.125.Z10.20-32		20							
DFW.B.125.Z10.25-32		25		25			SPMG140512	TS5009	TK20
DFW.B.160.Z16.11-40	160	11	40	12	75	2 x 8	SPMG07T308	TS2511	TK08
DFW.B.160.Z16.12-40		12							
DFW.B.160.Z16.14-40		14		16			SPMG090408	TS3504	TK15
DFW.B.160.Z16.16-40		16							
DFW.B.160.Z12.18-40		18		20		2 x 6	SPMG110408	TS4006	TK15
DFW.B.160.Z12.20-40		20							
DFW.B.160.Z12.25-40		25		25			SPMG140512	TS5009	TK20
DFW.B.200.Z18.14-40	200	14	40	16	80	2 x 9	SPMG090408	TS3504	TK15
DFW.B.200.Z18.16-40		16							
DFW.B.200.Z14.18-40		18		20		2 x 7	SPMG110408	TS4006	TK15
DFW.B.200.Z14.20-40		20							
DFW.B.200.Z14.25-40		25		25			SPMG140512	TS5009	TK20

DTB 定制粗搪刀

DTB Rough Boring Cutter



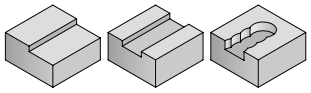




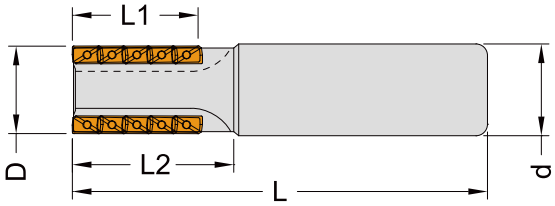
型號 Model	D	d	L1	L	刀片類型 Inserts	螺絲 Screw	板手 Wrench
DTB 1412R-1T	13.8	12	25	100	CCMT 060204 三菱、日立、东芝 京瓷、特固克、肯纳	TS2507	TK08
DTB 1612R-2T	15.8	12	30	100			
DTB 1816R-2T	17.7	16	30	120			
DTB 1916R-2T	18.7	16	30	120			
DTB 2016R-2T	19.7	16	30	120			
DTB 2216R-2T	21.7	16	30	120			
DTB 2420R-2T	23.7	20	30	130			
DTB 2520R-2T	24.7	20	30	130			
DTB 2620R-2T	25.7	20	30	130	CCMT09T304 三菱、日立、东芝 京瓷、特固克、肯纳	TS4009	TK15
DTB 2720R-2T	26.7	20	30	130			
DTB 2820R-2T	27.7	20	30	130			
DTB 3025R-2T	29.7	25	40	160			
DTB 3225R-2T	31.7	25	40	160			
DTB 3525R-2T	34.7	25	40	160			
DTB 3625R-2T	35.7	25	40	160			
DTB 4025R-2T	39.7	25	40	160			
DTB 4232R-2T	41.7	32	45	200			
DTB 4532R-2T	44.7	32	45	200			
DTB 4832R-2T	47.7	32	45	200			
DTB 5032R-2T	49.7	32	45	200			
DTB 5232R-2T	51.7	32	45	200			
DTB 5532R-2T	54.7	32	45	200			

BAP 玉米铣刀

BAP Rough Cutting Milling Cutter



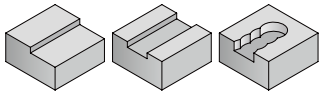




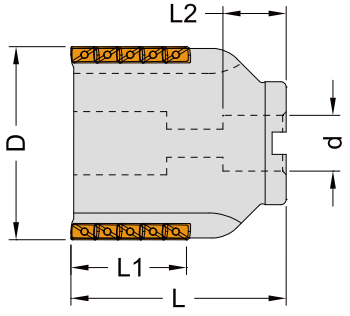
型號 Model	D	d	L1	L2	L	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
BAP300R2005S20-028L	20	20	28	42	107	1x5	APMT1135...	TS2515	TK08
BAP300R2508S25-035L	25	25	35	50	125	2x4			
BAP300R3215S32-044L	32	32	44	60	135	3x5			
BAP300R4024S32-072L	40	32	72	94	175	3x8			
BAP400R3206S32-042L	32	32	42	55	135	2x3	APMT1604...	TS4023	TK15
BAP400R4010S32-068L	40	32	68	94	175	2x5			
BAP400R4015S32-068L	40	32	68	94	175	3x5			
BAP400R5024S50.8-100L	50	50.8	100	128	224	3x8			
BAP400R5036S50.8-158L	50	50.8	158	188	284	3x12			

BAP 玉米铣刀

BAP Shell Type Coarse Milling Cutter



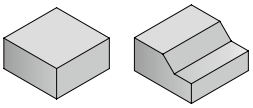




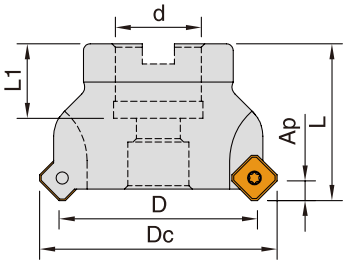
型號 Model	D	d	L1	L2	L	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
BAP400R05009-42-22.0	50	22	42	21	69	3x3	APMT1604...	TS4023	TK15
BAP400R06312-42-25.4	63	25.4	42	38	69	4x3			
BAP400R06320-68-25.4	63	25.4	68	38	97	4x3			

ASX445 45° 壳型平面铣刀

ASX445 45° Shell Type Face Milling Cutter







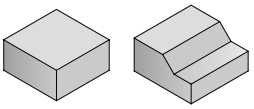
墊片 Shim	牙套 Screw	螺絲 Screw	板手 Wrench	板手 Wrench
AS445N	PS35T	**TS3505**	**TK15**	TY3.5

型號 Model	D	Dc	d	L	L1	T	Ap	刀片類型 Inserts
ASX445R050-22-4T	50	63.0	22	40	20	4	5.5	JIS SE..13T3AGEN-.. ISO SE..12T3AGSN-.. 三菱、住友
ASX445R063-22-5T	63	75.9	22			5		
ASX445R080-27-6T	80	93.2	27	50	26	6		
ASX445R100-32-7T	100	113.2	32		32	7		
ASX445R125-40-8T	125	138.0	40	63	38	8		
ASX445R160-40-10T	160	173.0	40			10		
ASX445R200-60-12T	200	212.9	60			12		
ASX445R250-60-14T	250	262.9	60			14		

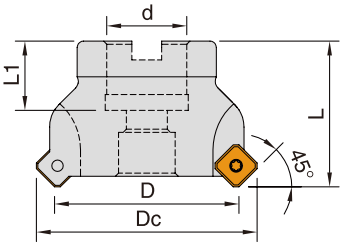
另有英制内孔 25.4/31.75/38.1/50.8/47.625

4033 45° 壳型平面铣刀

4033 45° Shell Type Face Milling Cutter







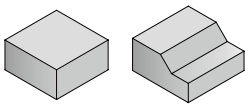
型號 Model	D	d	L	L1	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
4033.B.050.Z04.06-22	50	22	40	20	4	SN.X1205.. 瓦尔特 特固克（需要换螺钉）	TS4015	TK15
4033.B.063.Z05.06-22	63	22			5			
4033.B.080.Z06.06-27	80	27	50	26	6			
4033.B.100.Z07.06-32	100	32			7			
4033.B.125.Z08.06-40	125	40	63	38	8			
4033.B.160.Z10.06-40	160	40			10			
4033.B.200.Z14.06-60	200	60			14			

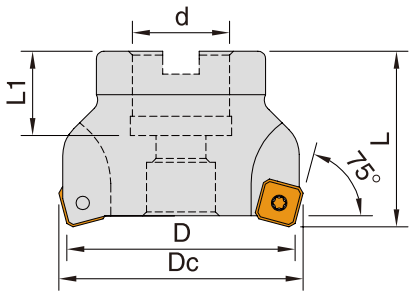
另有英制内孔 25.4/31.75/38.1/50.8/47.625

4047 75° 壳型平面铣刀

4047 75° Shell Type Face Milling Cutter







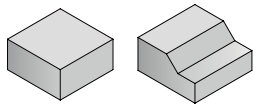
型號 Model	D	d	L	L1	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
4047.B.050.Z04.06-22	50	22	40	20	4	SN.X1205.. 瓦尔特 特固克（需要换螺钉）	TS4015	TK15
4047.B.063.Z05.06-22	63	22			5			
4047.B.080.Z06.06-27	80	27	50	26	6			
4047.B.100.Z07.06-32	100	32			7			
4047.B.125.Z08.06-40	125	40	63	38	8			
4047.B.160.Z10.06-40	160	40			10			
4047.B.200.Z14.06-60	200	60			14			

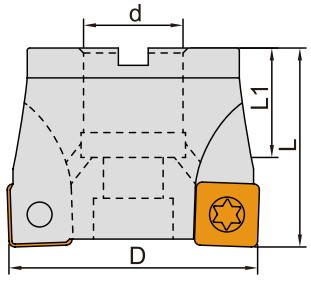
另有英制内孔 25.4/31.75/38.1/50.8/47.625

4048 88° 壳型铣刀

4048 88° Shell Type Milling Cutter







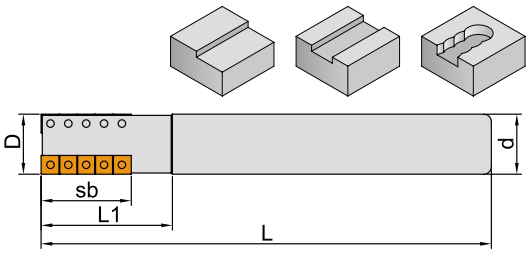
型號 Model	D	d	L	L1	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
4048.B.050.Z04.06-22	50	22	40	21	4	SN.X1205.. 瓦尔特 特固克（需要换螺钉）	TS4015	TK15
4048.B.063.Z05.06-22	63	22	40		5			
4048.B.080.Z06.06-27	80	27	50	25	6			
4048.B.100.Z07.06-32	100	32	50		7			
4048.B.125.Z08.06-40	125	40	63	38	8			
4048.B.160.Z10.06-40	160	40	63		10			
4048.B.200.Z14.06-60	200	60	63		14			

另有英制内孔 25.4/31.75/38.1/50.8/47.625

SRE 高速粗铣刀

SRE Speed Rough Milling Cutter

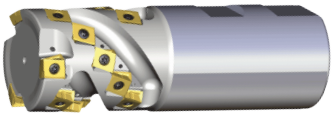


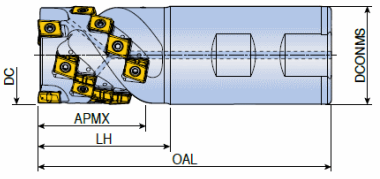


型號 Model	D	sb	L	d	L1	T	刀片 Inserts	刀片類型 Inserts	螺絲 Screw	板手 Wrench
SRE.W.016.Z02.020.05	16	20	100	16	30	2	10	SPMG 050204	TS2003	TK06
SRE.W.020.Z02.030.06	20	30	110	20	40	2	12	SPMG 060204	TS2202	TK06
SRE.W.025.Z02.040.07	25	40	130	25	55	2	12	SPMG 07T308	TS2511	TK08
SRE.W.032.Z03.050.09	32	50	150	32	65	3	18	SPMG 090408	TS3504	TK15
SRE.W.040.Z03.070.09	40	70	180	32	90	3	24	SPMG 090408		
SRE.W.040.Z03.090.09	40	90	200	42	110	3	27	SPMG 090408		
SRE.W.050.Z03.100.1204	50	100	224	50.8	124	3	30	SPMT 120408	TS5004	TK20
SRE.W.050.Z03.156.1204	50	156	284	50.8	184	3	45	SPMT 120408		
SRE.W.050.Z03.100.1206	50	100	224	50.8	124	3	30	SPMT 120606	TS5006	TK20
SRE.W.050.Z03.156.1206	50	156	284	50.8	184	3	45	SPMT 120606		

TEF 玉米铣刀杆

TEF Milling Cutter

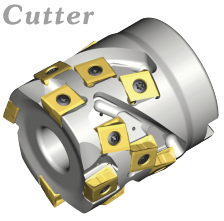


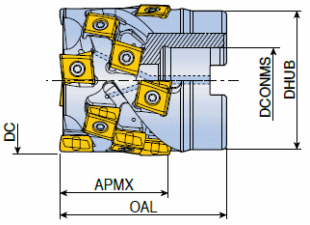


型号 Cat.No		刃数 Number of blades	尺寸（mm） Dimension DC	DCONMS	OAL	LH	APMX	内冷 Internal cooling	刀片 Insert
4T-TEF D25-36-W25-09	2	10	25	25	100	43	36	●	
D32-36-W32-09	3	15	32	32	105	44	36	●	
D32-43-W32-09	3	18	32	32	115	52	43	●	LPK(H)U09046…
D40-43-W40-09	3	18	40	40	125	54	43	●	
D40-51-W40-09	3	21	40	40	135	64	51	●	

TES 玉米铣刀盘

TES Milling Cutter

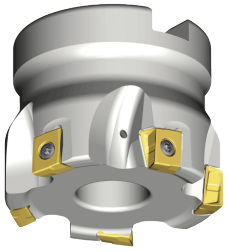


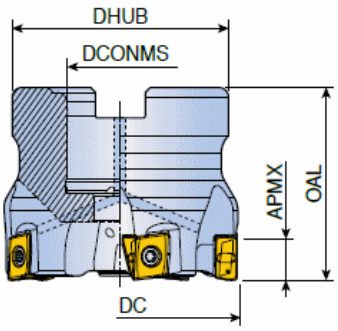


型号 Cat.No		刃数 Number of blades	尺寸（mm） Dimension DC	DCONMS	DHUB	OAL	APMX	内冷 Internal cooling	安装螺栓 Screw	刀片 Insert
4T-TES D50-34-22R-14	3	9	50	22	45	55	34	●	SH M10x40	
D50-45-22R-14	3	12	50	22	45	65	45	●	SH M10x50	
D63-45-27R-14	4	16	63	27	58	70	45	●	SH M12x50	LPKU1407…
D63-56-27R-14	4	20	63	27	58	80	56	●	SH M12x60	
D80-56-32R-14	5	25	80	32	74	85	56	●	SH M16x60	
D100-56-40R-14	6	30	100	40	94	90	56	●	SH M20x60	

TF90 面铣刀盘

TF90 Milling Cutter

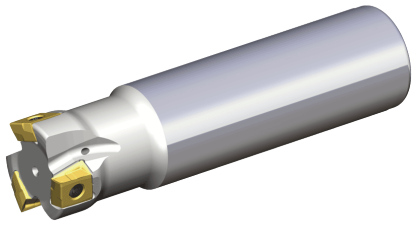




型号 Cat.No		尺寸（mm） Dimension					内冷 Internal cooling	刀柄 Hilt	安装螺栓 Screw pin	刀片 Insert
		DC	DCONMS	DHUB	OAL	APMX				
4T-TF90-640-16R-09	6	40	16	38	40	8.3	●	A	SH M8x30	
550-22R-09	5	50	22	45	40	8.3	●	A	SH M10x30	
750-22R-09	7	50	22	45	40	8.3	●	A	SH M10x30	LPK(H)U0904…
663-22R-09	6	63	22	47	40	8.3	●	A	SH M10x30	
1063-22R-09	10	63	22	47	40	8.3	●	A	SH M10x30	

TF90 立铣刀

TF90 Milling Cutter



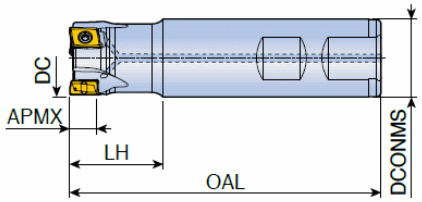


Fig.1

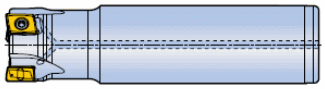


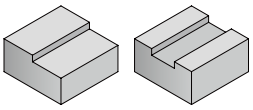
Fig.2

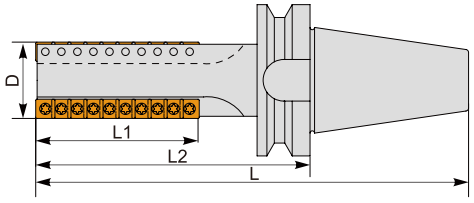
型号 Cat.No		尺寸（mm） Dimension					内冷 Internal cooling	图示 Graphic	刀片 Insert
		DC	DCONMS	OAL	LH	APMX			
4T-TF90-220-W20-09	2	20	20	100	30	8.3	●	1	
220-20-09-L170	2	20	20	170	30	8.3	●	2	
320-W20-09	3	20	20	100	30	8.3	●	1	
325-W25-09	3	25	25	100	30	8.3	●	1	
325-25-09-L200	3	25	25	200	30	8.3	●	2	
425-W25-09	4	25	25	100	30	8.3	●	1	
425-25-09-L120	4	25	25	120	30	8.3	●	2	LPK(H)U0904…
332-W32-09	3	32	32	110	35	8.3	●	1	
332-32-09-L210	3	32	32	210	35	8.3	●	2	
532-W32-09	5	32	32	110	35	8.3	●	1	
532-32-09-L130	5	32	32	130	35	8.3	●	2	
440-W32-09	4	40	32	115	30	8.3	●	1	
440-32-09-L150	4	40	32	150	30	8.3	●	2	
640-W32-09	6	40	32	115	30	8.3	●	1	

2238 BT50# 粗铣刀

2238 Bt50 Rough Milling Cutter







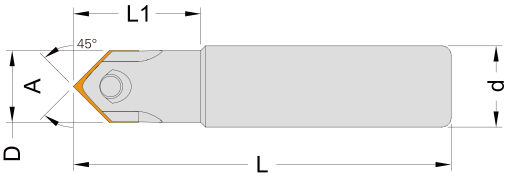
型號 Model	D	L	L1	L2	T	刀片 Inserts	刀片類型 Inserts	螺絲 Screw	板手 Wrench
2238.BT50.050.Z03.100.04.SL	50	336.8	100	248	3	30	SPMW 120408	TS5004	TK20
2238.BT50.050.Z03.100.04	50	352.8	100	232					
2238.BT50.050.Z03.100.06.SL	50	336.8	100	248			SPMW 120606	TS5006	TK20
2238.BT50.050.Z03.100.06	50	352.8	100	232					
2238.BT50.050.Z03.158.04	50	336.8	158			45	SPMW 120408	TS5004	TK20
2238.BT50.050.Z03.158.06	50		158				SPMW 120606	TS5006	TK20
2238.BT50.063.Z03.200.04	63	394.8	200	290		57	SPMW 120408	TS5004	TK20
2238.BT50.063.Z03.260.04	63	453.3	260	348.5		75			
2238.BT50.080.Z04.200.04	80	394.8	200	290	4	76			

瓦尔特、戴杰、日立

ASD90 定位倒角刀

ASD90 Positioning Chamferring Cutter





型號 Model	D	d	L1	L	A	刀片類型 Inserts	螺絲 Screw	板手 Wrench
ASD90-12-130	12	12	30	130	90	A9012	B06R	TK20
ASD90-20-160	20	20	45	160	90	A9020	B10R	TK20

阻尼减震车刀

Damping turning tool holder



一杆多用可更换刀头

A multifunctional rod with interchangeable blades

钻孔直径:16~160mm

Drill hole diameter: 16~160mm

钻孔深度: 150~3000mm

Drill depth:150~3000mm



规格	倍径
TC11-C10-140无出水	10
TC13-C12-160无出水	10
TC15-C14-180无出水	10
WT16-C16-160	7
WT16-C16-210S	10
WT20-C20-200	7
WT20-C20-260S	10
WT25-C25-255	7
WT25-C25-330	10
WT32-C32-320	7
WT32-C32-416	10
WT40-C40-408	7
WT40-C40-528	10
WT40-C50-518	7
WT40-C50-668	10
WT40-C60-628	7
WT40-C60-808	10
WT40-C80-880	7
WT40-C80-1200	10

刀座
Tool holder



- WT16-SDUCL-07



- WT20-SDUCL-11



- WT25-SDUCL-11



- WT32-SDUCL-11T



- WT40-SDUCL-11T



- WT16-SCLCL-06



- WT25-SCLCL-09



- WT40-SCLCL-12T



- WT40-DWLNR-08T



- WT32-DWLNR-08T



- WT40-DDUNR-15T



- WT25-SVUCR-11



- WT20-SVUCR-11T



- WT40-22IR



- WT40-SDZCR-11T



- WT32-SDZCR-11

刀座
Tool holder



■ WT16-SCLCR -06



■ WT20-SCLCR-09



■ WT25-SCLCR-09



■ WT32-SCLCR-09



■ WT40-SCLCR-12T



■ WT40-STFCR-16T



■ WT32-STFCR-16



■ WT25-STFCR-11



■ WT20-STFCR-11T



■ WT16-STFCR-09



■ WT40-SDUCR-11



■ WT32-SDUCR-11T



■ WT25-SDUCR-11



■ WT20-SDUCR-11



■ WT16-SDUCR-07



■ 接头

选择涂层

Select coating type

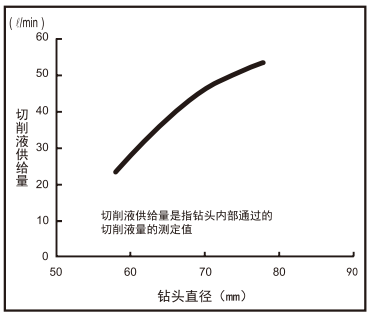
涂层 Coating	涂层硬度HV Coating Hardness (HV)	厚度pm Thickness (pm)	耐热温度℃ Heat Resistance (℃)	摩擦系数 Coefficient of Friction	涂层颜色 Coating Color	应用工具 Application Tools	应用条件 Application Conditions
JH涂层(Si系) Hi	3600	2–3	1300	0.25	古铜色	钻头、铁刀	调质钢件、高速切削、难加工材料
JP涂层(AlCr系)	3300	1–3/3–5	1100	0.35	亮蓝灰色	滚刀、铁刀	干切、中高速切削
JPT(AlCr系)	3600	1–3/3–5	1100	0.35	淡灰色	硬质合金滚刀，硬质合金刀条，铣刀	中等硬度材料齿轮刀具高速切削
HT涂层(AlTl系)	3400	<3	1200	0.25	展蓝色	铣刀	难加工材料不锈钢的通用加工
DLC(C系)	2000	1–2	350	0.05	亮黑色	杆状樊刀具	铝合全等有色金属
JF涂层(TlAl系)	3300	1–3	900	0.25	蓝灰色	杆状类刀具，刀片	中等速切削、钢材
TiN	2200	1–3	600	0.4	金黄色	丝锥、刀片等	中低速加工、较软材料
JPY涂层(ALCr系)	3600	1–2	1200	0.35	青灰色	硬质合金杆类铣刀	32-40HRG中等硬度模具钢高速切削
JD涂层(特殊Si系)DR	4000	1–2	1200	0.25	黄铜色	铣刀、铣刀片	52HRC以内高硬材料的干湿通用加工
HS涂层(AlTi系)PT	3600	2–3	1200	0.2	黑蓝色	钻头等扦类刀具	高速切削、难加工材料硬度较低材料
JMH涂层	3600	1–2	1100	0.3	古钢色	硬质合金铣刀、铰刀	HRC55度以下千式切刚
JPS涂层	3300	1–3	1100	0.3	灰色	切削丝锥等	用于加工钢件及不锈钢等材料
HC涂层(C系)	5000	0.5–1	450	0.05	彩色	钻头、选刀	铝合金、有色金属(如铝，铜)，墨、碘纤维等非铁质关材料等
HIT涂层	3400	3–5	1000	0.25	黑蓝色	压制刀片	用于加工铜件及不锈钢等
Z涂层	2200	1–2	600	0.5	浅黄色	铣刀	铝合金、不锈钢、TC4等难加工材料铁削加工

疑问解答 Doubtanswer

疑问-1 可用外冷加工吗？Can external cold processing be used?

解答-1 因为产生大量的切屑，所以不推荐外部冷却加工。
请使用内部冷却加工。
请参考【钻头直径和切削液供给量】的图表
Due to the generation of a large amount of chips, external cooling processing is not recommended. Please use internal cooling for processing.
Please refer to the chart of drill bit diameter and cutting fluid supply

◆ 钻头直径与切削液供给量的关系



疑问-2 使用设备的主轴功率大概需要多大？
What is the approximate spindle power required to use the equipment?

解答-2 尽量使用主轴输出功率大的设备。
主轴回转数也可以不需要很高，但是需要大的扭矩。
以下表示的是主要动力的实例。
Try to use equipment with high spindle output power.
The spindle rotation number may not need to be very high, but it requires a large torque.
The following is an example of the main driving force.

加工径 Processing diameter	被加工材料 Processed materials	使用设备 Using devices	切削条件 Cutting conditions	主轴动力 Spindle power	所需动力 Required power
ϕ75 (2D)	15CrMo	M/C	Vc=130m/min (n=550min^{-1}) f=0.12mm/rev (Vf=66mm/min)	22kW	60%
ϕ85 (2D)	SCM	M/C	Vc=150m/min (n=560min^{-1}) f=0.1mm/rev (Vf=56mm/min)	30kW	85%
ϕ94 (2D)	45	Nc车床	Vc=120m/min (n=410min^{-1}) f=0.1mm/rev (Vf=41mm/min)	20kW	100%
ϕ94 (2D)	0Cr18Ni9	Nc车床	Vc=80m/min (n=270min^{-1}) f=0.2mm/rev (Vf=54mm/min)	20kW	40%

※ 所要动力是负荷表读出的数据。 ※ The required power is the data read from the load meter.

疑问-3 被加工的韧性材料、切屑缠绕长。有什么对策?
The processed ductile material and chips are entangled for a long time. What countermeasures are there?

解答-3 被加工的韧性材料，切削缠绕很长时，有「低速＋高进给」或者「高速＋低进给」等对策。
从入口处到10mm左右的地方切削易缠屑很长，过了10mm以后又稳定的情况较多时，
・「低速＋高进给」
产生的切削较厚，切削易断而且容易控制。
VC=80m/min、f=0.2~0.25mm/rev等
・「高速＋低进给」
产生的切削较薄，利用离心力可以控制切屑。
VC=200m/min、f=0.07~0.09mm/rev等
・［仅在入口使用分段加工］
加工深度 10mm以内，可以使用每次进给 1mm的分段加工
深度在 10mm以上：VC=150m/min、f=0.15mm/rev（连续切削）等
When cutting and winding tough materials for a long time, there are strategies such as "low speed+high feed" or "high speed+low feed". When cutting from the entrance to around 10mm, it is easy to get tangled chips for a long time, and after 10mm, the situation becomes more stable,
·"Low speed+high feed"The resulting cutting is thick, easy to break, and easy to control. VC=80m/min, f=0.2~0.25mm/rev, etc
·"High speed+low feed"The resulting cutting is relatively thin, and centrifugal force can be used to control the chips. VC=200m/min, f=0.07~0.09mm/rev, etc
·[Only use segmented machining at the entrance]Within a processing depth of 10mm, segmented processing with a feed rate of 1mm per feed can be usedDepth above 10mm: VC=150m/min, f=0.15mm/rev (continuous cutting), etc

疑问-4 发生振刀,有什么对策? What are the countermeasures for the occurrence of knife vibration?

解答-4 发生振刀的原因多数是主轴回转一次的进给量太小，切入时有振刀。
请根据以下条件进行调整。
・进给量太小的话，请加大进给量。
f=0.06mm/rev以下时 → f=0.08~0.12mm/rev 请试着提高。
进给量变大的话，吃刀状态好可抑制振刀。
・切削速度太快发生振刀时，降低切削速度到VC=100~150m/min左右。
・[切入部、出口部不平滑]或者[工件紧固刚性低]等情况时，降低进给量到
f=0.07~0.08mm/rev 左右
・[分段加工等] 发生振刀时，
提高切入时的进给量，降低切削速度等进行调整。
如果切入时发生振刀的话，通常到加工完了会持续有振刀。
The reason for the occurrence of tool vibration is mostly due to the small feed rate of the spindle rotating once, resulting in tool vibration during cutting. Please adjust according to the following conditions.
・If the feed rate is too small, please increase the feed rate.When f=0.06mm/rev is below - f=0.08~0.12mm/rev, please try to increase it. If the feed rate increases, a good cutting state can suppress the vibration of the cutting tool.·When the cutting speed is too fast and tool vibration occurs, reduce the cutting speed to around VC=100~150m/min.
・When the entry and exit parts are not smooth, or when the workpiece is tightened with low rigidity, reduce the feed rate to around f=0.07~0.08mm/rev·When vibration occurs during segmented machining,Adjust by increasing the feed rate during cutting and reducing the cutting speed.If vibration occurs during cutting, it usually continues until the machining is completed.

疑问-5 加工后的壁面有刀痕(退刀痕）。有无解决方法?

The processed wall surface has knife marks (retraction marks). Is there a solution?

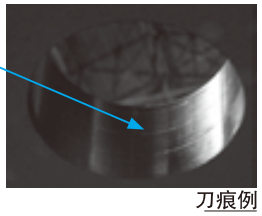
解答-5 切削中的钻头内侧（中心侧）有挠曲应力。

孔加工后、在同位置提刀后留下刀痕（退刀痕）。

解决刀痕（退刀痕）的方法是，如下所示使用偏芯退刀。

There is bending stress on the inner side (center side) of the drill bit during cutting. After hole machining, leave a tool mark (retraction mark) after lifting the tool at the same position.The method to solve knife marks (retraction marks) is to use a biased retraction knife as shown below.

(Retract knife marks)
（退刀痕）



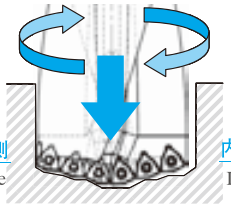
刀痕例
Example diagram of cutting back

解决刀痕（退刀痕）的加工方法

Processing methods for solving knife marks (retraction marks)

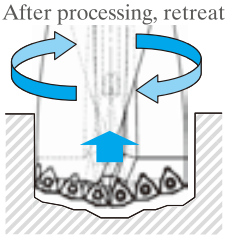
①加工（主轴回转）

Processing (spindle rotation)



②加工后回退0.5mm左右（主轴旋转）

After processing, retreat by about 0.5mm (spindle rotation)





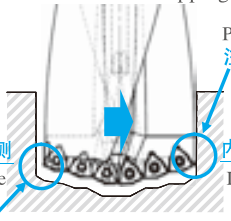
加工后停止所
引起的切屑熔着
Chip melting caused by stopping processing

- 不退刀停止时有切屑熔着在底部
- 不退刀使用③无偏心时，底面有干涉
- 仅在盲孔时、通孔时不用

- When the tool stops without retracting, there is chip melting at the bottom.
- When using the tool without retracting, there is interference on the bottom surface.
- Only used in blind holes and through holes

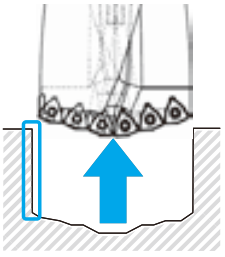
③停止回转后使用偏芯（主轴停止）

Use eccentric core after stopping rotation (spindle stopped)



预留间隙防止退刀时的接触
(标准：0.1~0.2mm左右)
Reserve clearance to prevent contact during tool retraction (standard: around 0.1-0.2mm)

④退刀 Retract the knife



无退刀痕或痕迹不深
No retraction marks or shallow marks

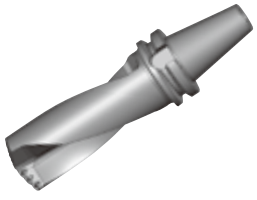
加工PRG-例

Processing PRG - Example

```
G90G54G0G43X0Y0Z100.0H10
S477M03
Z2.5M8
G01Z-80.0F48
Z-79.5M19 ← 主轴定位置停止
X0.2Y0.2
Z100.0M9
```

※主轴定位置停止的M编码，
X、Y的移动方向因设备而异。

The M-code for stopping the spindle at a fixed position, and the movement direction of X and Y varies depending on the equipment.



BT刀柄一体型的也可制作
BT knife handle can also be made in one size

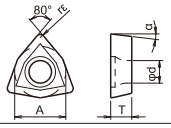


钻头直径Φ200的也可制作
Drill bits with a diameter of 200 can also be made



直柄型(1D ~ 3D)
Straight handle type (1D~3D)

适用刀片 Applicable blade

形状 shape		型号 Cat.No	尺寸（mm） A	T	d	rε	角度(°) α	MEGACOAT PR1230	适用刀柄型号 Applicable knife handle model
		WCMT06T308	9.525	3.97	3.7	0.8	7°	●	S50-DRW...-06
		WCMT050308	7.94	3.18	3.2			●	（非标刀杆用）

加工功率要求

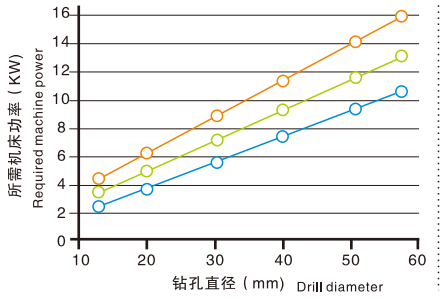
Processing power requirements

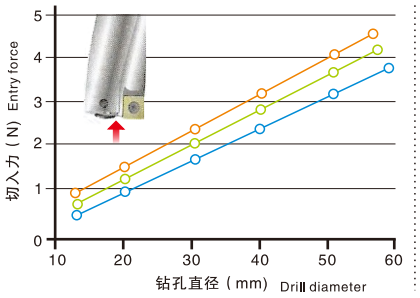
▶ 以下图表为钻削加工所需要切屑力 The following chart shows the chip force required for drilling processing

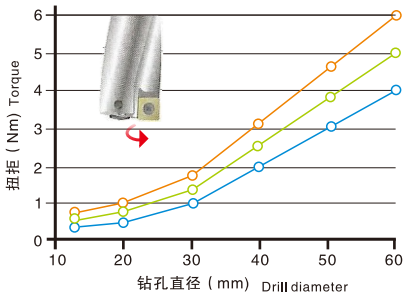
▶ Drill 钻头适用于高刚性高功率机床 Drill bits are suitable for high rigidity and high power machine tools

• 被加工件：SCM440(240HB) •切削条件：VC(m/min)=100
• 内冷系统

fn(mm/rev)=0.13 fn(mm/rev)=0.13 fn(mm/rev)=0.13

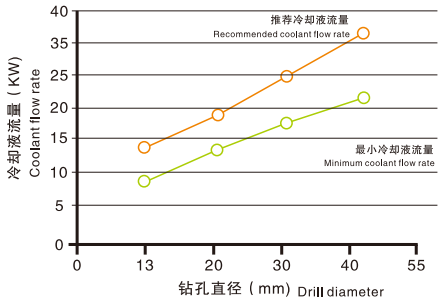






加工功率要求

Processing power requirements



• 被加工件：SCM440(240HB)
• 切削条件：VC(m/min)=100
• 内冷系统

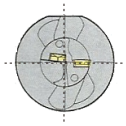
•推荐冷却油压：5kg/cm²以上
图表数据可以根据被加工件及切削条件改变

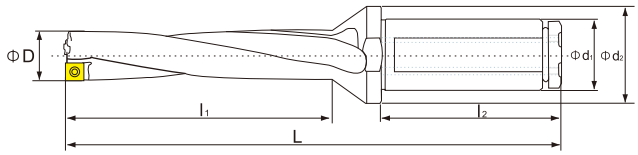
Recommended cooling oil pressure: 5kg/cm2 or above
The chart data can be changed based on the workpiece being machined and cutting conditions



钻头公差与孔径公差

Bit tolerance and aperture tolerance

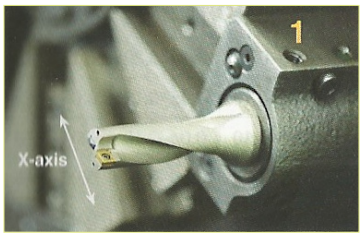


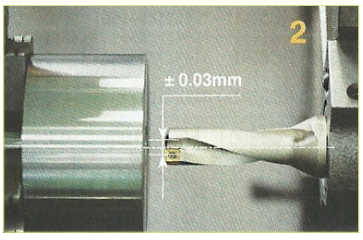


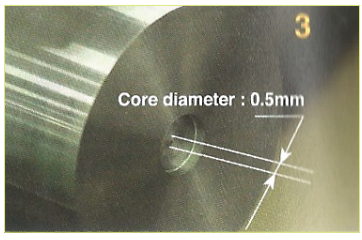
钻头直径 Drill diameter		Φ12~Φ29	Φ30~Φ45	Φ46~Φ60.5
3D~4D	钻头公差（ΦD）	0~−0.15	0~−0.15	0~−0.15
	孔径公差	+0.2~−0.1	+0.25~−0.1	+0.28~−0.1
4D~5D	钻头公差（ΦD）	0~−0.15	0~−0.15	0~−0.15
	钻头直径	+0.25~−0.05	+0.3~−0.05	+0.33~−0.05

钻头在车床上的安装

Installation of drill bit on lathe





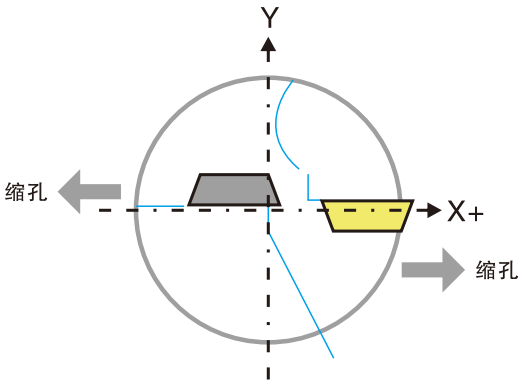


• 外切削刃与X轴平行设定（钻头的外刃和侧固面平行，以侧固面为基准）
• 如果钻孔5mm后，核心部分有直径0.5mm痕迹，表明安装正确
※ 请确保测固位置可根据机床而有所不同以前有侧固面反向装夹情况，使用前请务必确认

• Setting the outer cutting edge parallel to the X-axis (the outer edge of the drill bit is parallel to the side fixed surface, with the side fixed surface as the reference)
• If there is a 0.5mm diameter mark on the core part after drilling 5mm, it indicates that the installation is correct
※ Please ensure that the fixed position can be adjusted according to the machine tool. Previously, there was a situation where the side fixed surface was clamped in the opposite direction. Please make sure to confirm before use

车床直径调节范围

Adjustment range of lathe diameter



- drill是在车床里加工的，刀杆是沿着X轴的方向移动的，缩孔加工请参照下面的表格
- 扩孔缩孔量越高稳定性就会降低，不需要减小切削速度
- 过度的加工可能会诱发刀杆的损伤

- The drill is processed in a lathe, and the tool holder moves ten thousand times along the X-axis. Please refer to the table below for the reduction and binding·
- The higher the amount of expansion and contraction, the lower the stability, and there is no need to reduce the cutting speed.
- Excessive machining may cause damage to the tool holder

(mm)

直径(Φ) Diameter	直径调节范围(Φ) Adjustment range
12.0	11.7~12.4
12.5	12.2~12.9
13.0	12.7~13.4
13.5	13.2~13.9
14.0	13.6~14.5
14.5	14.1~15.0
15.0	14.6~15.5
15.5	15.1~16.0
16.0	15.6~16.5
16.5	16.0~17.0
17.0	16.5~17.5
17.5	17.0~18.0
18.0	17.5~18.5
18.5	18.0~19.0
19.0	18.5~19.5
19.5	19.0~20.0
20.0	19.4~20.6
20.5	19.9~21.1
21.0	20.4~21.6
21.5	20.9~22.1
22.0	21.4~22.6
22.5	21.9~23.1
23.0	22.4~23.6
23.5	22.9~24.1
24.0	23.4~24.6

直径(Φ) Diameter	直径调节范围(Φ) Adjustment range
24.5	23.9~25.1
25.0	24.4~25.6
25.5	24.9~26.1
26.0	25.4~26.6
26.5	25.9~27.1
27.0	26.4~27.6
27.5	26.9~28.1
28.0	27.4~28.6
28.5	27.9~29.1
29.0	28.4~29.6
29.5	28.9~30.1
30.0	29.3~30.7
30.5	29.8~31.2
31.0	30.3~31.7
31.5	30.8~32.2
32.0	31.3~32.7
32.5	31.8~33.2
33.0	32.3~33.7
33.5	32.8~34.2
34.0	33.3~34.7
34.5	33.8~35.2
35.0	34.3~35.7
35.5	34.8~36.2
36.0	35.3~36.7
36.5	35.8~37.2

直径(Φ) Diameter	直径调节范围(Φ) Adjustment range
37.0	36.3~37.7
37.5	36.8~38.2
38.0	37.3~38.7
38.5	37.8~39.2
39.0	38.3~39.7
39.5	38.8~40.2
40.0	39.3~40.7
40.5	39.8~41.2
41.0	40.3~41.7
41.5	40.8~42.2
42.0	41.3~42.7
42.5	41.8~43.2
43.0	42.2~43.7
43.5	42.7~44.2
44.0	43.2~44.7
44.5	43.7~45.2
45.0	44.2~45.7
45.5	44.7~46.2
46.0	45.2~46.7
46.5	45.7~47.2
47.0	46.2~47.7
47.5	46.7~48.2
48.0	47.2~48.7
48.5	47.7~49.2
49.0	48.2~49.7

直径(Φ) Diameter	直径调节范围(Φ) Adjustment range
49.5	48.7~50.2
50.0	49.2~50.7
50.5	49.7~51.2
51.0	50.2~51.7
51.5	50.7~52.2
52.0	51.2~52.7
52.5	51.7~53.2
53.0	52.2~53.7
53.5	52.7~54.2
54.0	53.2~54.7
54.5	53.7~55.2
55.0	54.2~55.7
55.5	54.7~56.2
56.0	55.2~56.7
56.5	55.7~57.2
57.0	56.2~57.7
57.5	56.7~58.2
58.0	57.2~58.7
58.5	57.7~59.2
59.0	58.2~59.7
59.5	58.7~60.2
60.0	59.2~60.7
60.5	59.7~61.2

冷却供给
Cooling supply

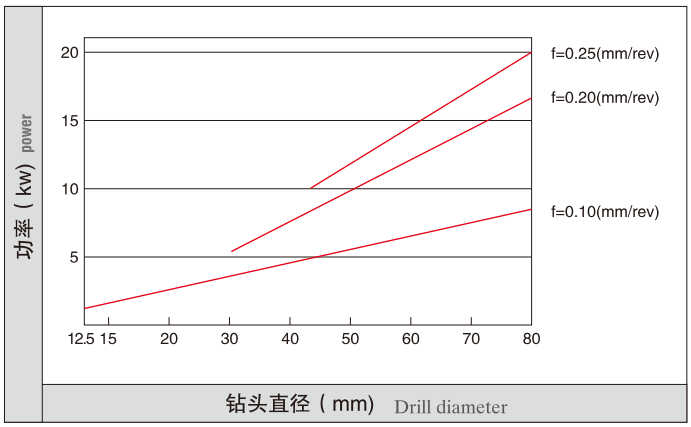
推荐的冷却压力值非常重要

- 压力过低将导致震动并缩短刀具寿命
- 2D和3D切深的T钻建议至少保证冷却压4Kg/cm^2,4D切深的T钻建议至少保证冷却压力5kg/cm^2

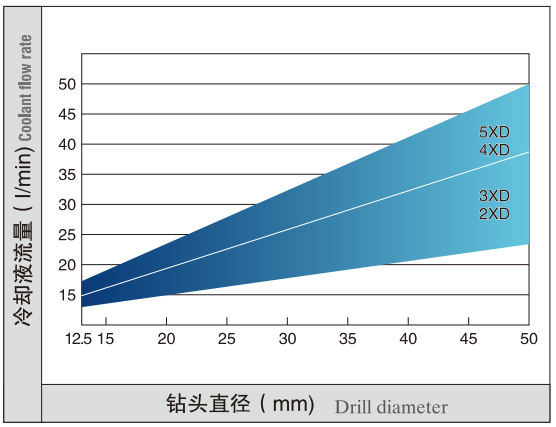
The recommended cooling pressure value is very important

- Low pressure will cause vibration and shorten tool life
- It is recommended to ensure a cooling pressure of at least 4Kg/cm for 2D and 3D cut depth T-drills, and 5kg/cm2 for 4D cut depth T-drills

净耗功率 Net power consumption



冷却液 Coolant

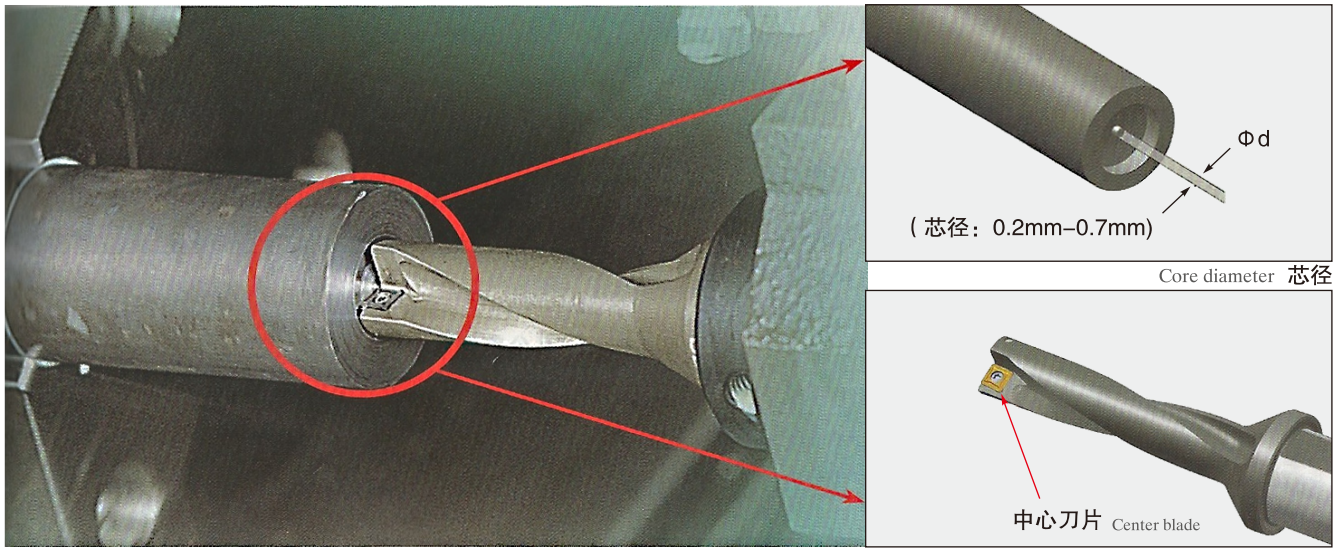


车床应用的技术信息
Technical Information of Lathe Application

钻头安装及检测 Drill installation and inspection

- 首孔加工–先钻削3mm–6mm深度时退刀，检测芯径范围应在0.2mm–0.7mm
- 如果未产生芯径：–钻削加工时将会产生崩刀和震动
  –请旋转钻头柄部180度再进行测试
- 如果芯径尺寸超出推荐数据：
  –请调整偏移量使芯径控制在推荐范围内
  –否则钻削加工时将会引起过载和震动

- First hole machining-When drilling at a depth of 3mm to 6mm, the tool should be retracted and the range of core diameter should be within 0.2mm to 0.7mm
- If the core diameter is not generated:
  - During drilling, there will be tool breakage and vibration
  -Please rotate the drill bit handle 180 degrees before conducting the test
- If the core diameter size exceeds the recommended data:
  -Please adjust the offset to keep the core diameter within the recommended range
  - otherwise, drilling and machining may cause overload and vibration



Initial installation of T-drill 初装T钻

车床上的应用

Tung Six-Drill

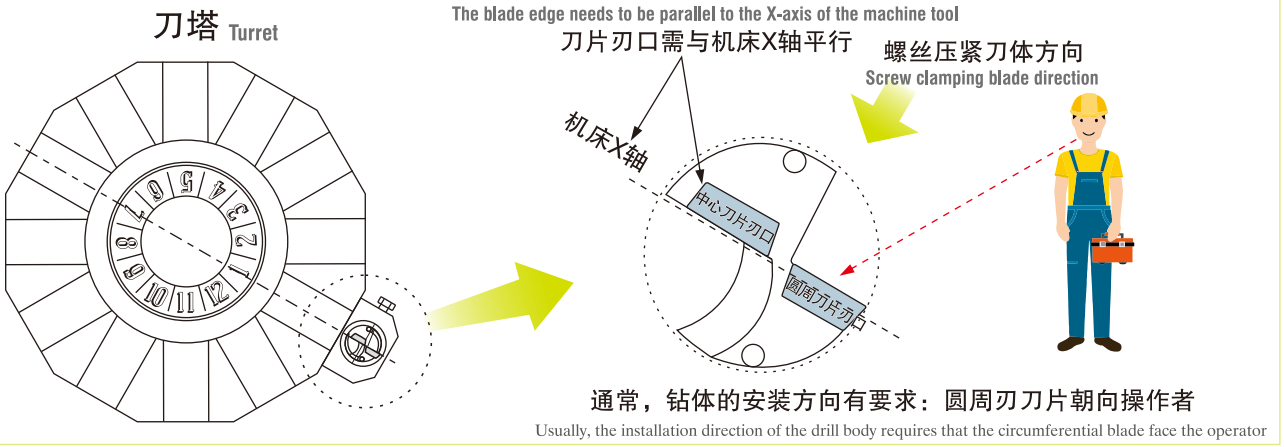
如何设置钻体来实现稳定加工是很重要的问题

How to set up the drill body to achieve stable machining is an important issue

车床刀塔（刀架）上安装钻头 Install drill bits on the lathe turret (tool holder)

- 安装钻体时，刀片刃口需与机床X轴平行
- 通常，钻体的安装方向有要求：圆周刃刀片朝向操作者
- 由于钻体的压紧面与刀片刃口平行，锁紧刀体，钻头刃口保证能与机床X轴平行

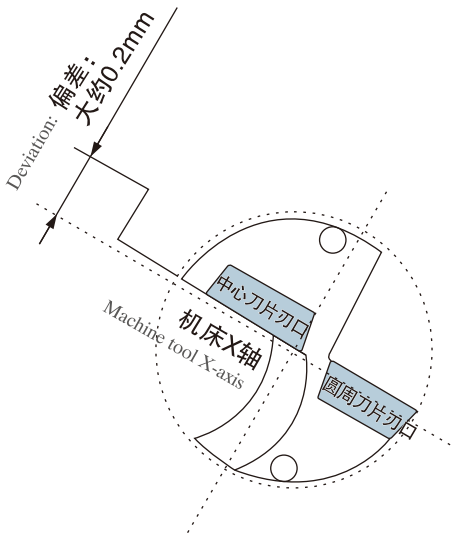
When installing the drill body, the blade edge should be parallel to the X-axis of the machine tool
Usually, the installation direction of the drill body requires that the circumferential blade face the operator
Due to the fact that the clamping surface of the drill body is parallel to the blade edge, the locking tool body ensures that the drill bit edge can be parallel to the X-axis of the machine tool



检查刃口高度 Check the height of the cutting edge

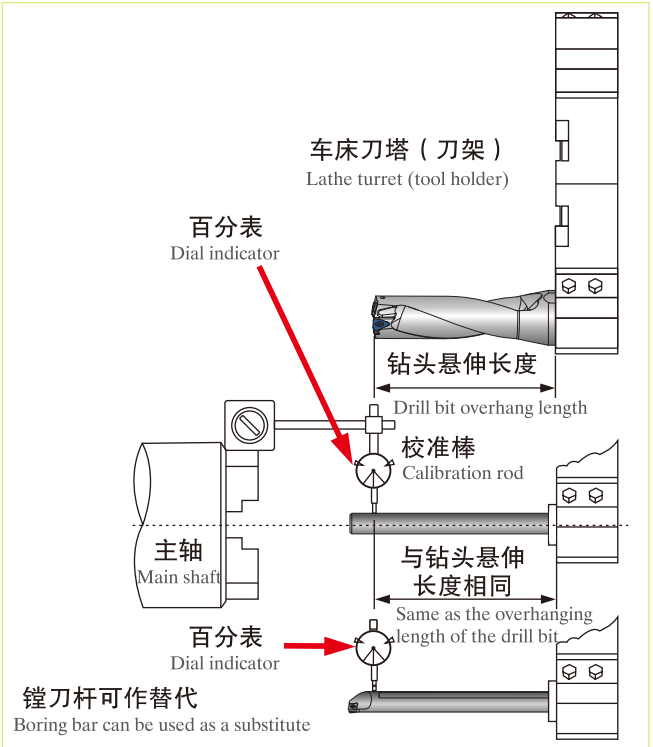
- 刃口高度是影响稳定加工的一个重要因素
- 中心刀片的刃口高度应比机床旋转中心低0.2mm左右
- 请用一根圆柱校准来检查机床旋转中心和刀杆中心的误差
- 此时，检查中心高的测量点应与刀杆的悬伸长度相同
- 如果没有校准棒，镗刀杆的精磨部分也可用作替代

- Blade height is an important factor affecting stable machining
- The cutting edge height of the central blade should be about 0.2mm lower than the rotation center of the machine tool
- Please use a cylindrical calibration to check the error between the machine tool rotation center and the tool holder center
- At this point, the measuring point of the center height should be the same as the overhanging length of the tool holder
- If there is no calibration rod, the precision grinding part of the boring bar can also be used as a substitute



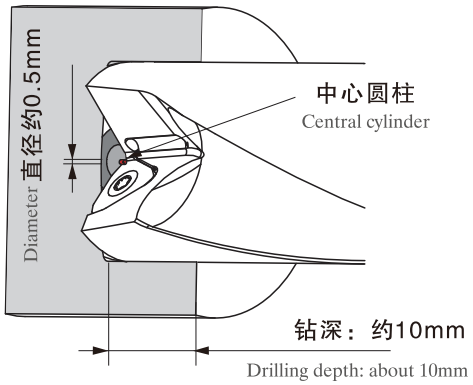
如果刃口高度不对，通常应该调整刀塔
但是，可以采用P16所示的简单办法

If the blade height is not correct, the turret should usually be adjusted.
However, a simple method as shown in P16 can be used



通过试切检查调整结果 Adjust the results through trial cutting inspection

- 安装好钻头，需通过试切检查刀具中心。
- 如果钻体设置正确，孔底会留有直径约Φ0.5mm的小圆柱。
- 如果没有小圆柱，则钻体“高于中心”。如果小圆柱直径大于1mm，则钻体“大大低于中心”。这些情况下，刃口高度需重新检查。
- 试切时，进给量应小于0.1mm/rev，钻深应为10mm。
- After installing the drill bit, it is necessary to check the center of the tool through a trial cut.
- If the drill body is set correctly, a small cylinder with a diameter of approximately 0.5mm will be left at the bottom of the hole.If there is no small cylinder, the drill body is "higher than the center".
- If the diameter of the small cylinder is greater than 1mm, the drilling body is "significantly lower than the center". In these cases, the blade height needs to be rechecked.
- During the trial cutting, the feed rate should be less than 0.1mm/rev and the drilling depth should be 10mm.



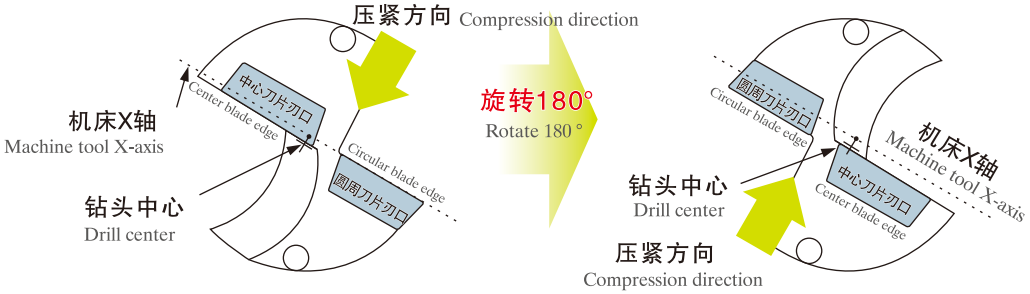
调整刀片刃口高度 Adjusting the height of the blade edge

当刀片刃口高度不对时，需作如下调整 When the height of the blade edge is incorrect, the following adjustments need to be made

①当钻体“高于中心” ① When the drill body is "above the center"

此切削条件下，中心刃刀片很容易崩刀，必须纠正。
方法1：改变钻体安装方向
方法2：钻体旋转180°
在方法2，钻体削平面背面需增加削平面

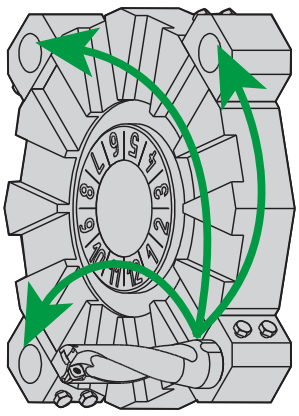
Under this cutting condition, the center edge blade is prone to breakage and must be corrected.
Method 1: Change the installation direction of the drill body
Method 2: Rotate the drill body 180 °
In method 2. The back of the drilling body's cutting plane needs to be added with a cutting plane



②当钻体“稍微高于中心”(约0.05mm)

② When the drill body is "slightly higher than the center" (about 0.05mm)

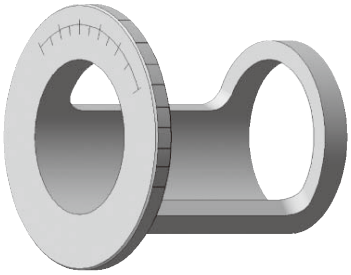
此时，更换装夹刀位可能会有改善
At this point, replacing the clamping tool position may improve the situation



③当钻体“大大低于中心”(0.2mm或更多)

③ When the drill body is "significantly lower than the center" (0.2mm or more)

此时，孔底会残留较大直径的小圆柱，并会伴有严重振动。
改善方法：使用EZ变径套，可将刃口高度调整至正确值。
At this point, small cylinders with larger diameters will remain at the bottom of the hole, accompanied by severe vibration.
Improvement method: By using EZ variable diameter sleeve, the blade height can be adjusted to the correct value.

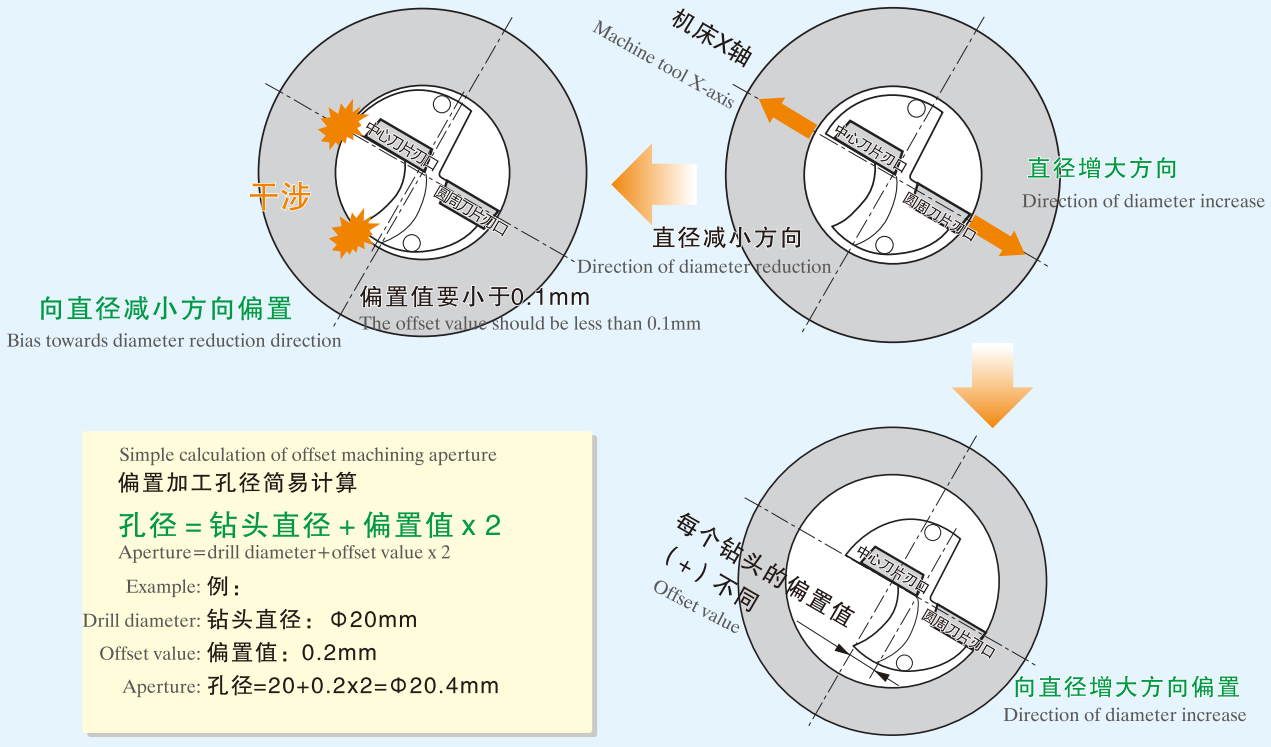


车床上钻头偏置加工 Offset machining of drill bits on lathes

可加工比钻头直径更大的孔 Can process holes larger than the diameter of the drill bit

偏置加工 Offset machining

- 车床上钻孔时，通过将钻体沿机床X轴的偏置，可调整加工孔径
- 偏置加工时，钻体需正确安装，刀片刃口要与机床X轴平行。
- When drilling on the lathe, the machining aperture can be adjusted by offsetting the drilling body along the X-axis of the machine tool
- During offset machining, the drill body needs to be installed correctly, and the blade edge should be parallel to the X-axis of the machine tool.



Simple calculation of offset machining aperture
偏置加工孔径简易计算

孔径 = 钻头直径 + 偏置值 x 2
Aperture=drill diameter+offset value x 2

Example: 例：
Drill diameter: 钻头直径：Φ20mm
Offset value: 偏置值：0.2mm
Aperture: 孔径=20+0.2x2=Φ20.4mm

孔底形状

Kongdi shape

TungSix-Drill 加工孔的孔底不平度小于HSS钻头!

The unevenness of the bottom of the hole processed by TungSix Drill is smaller than that of the HSS drill bit!

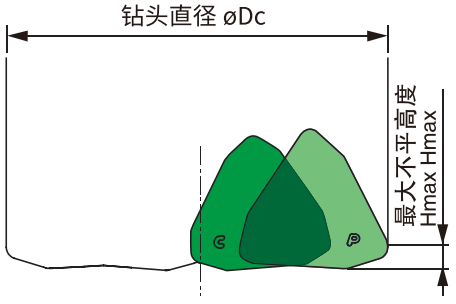
TungSix-Drill 加工孔的孔底形状与HSS钻头相比更接近平面

The bottom shape of the machined hole by TungSix Drill is closer to the plane than that of the HSS bit

钻头直径 ΦDc(mm)	Φ28～32	Φ33～38	Φ39～46	Φ47～54
Hmax(mm)	1.8	2.1	2.5	2.7

■加工孔底部形状
TungSix-Drill

Drill diameter:
钻头直径 øDc



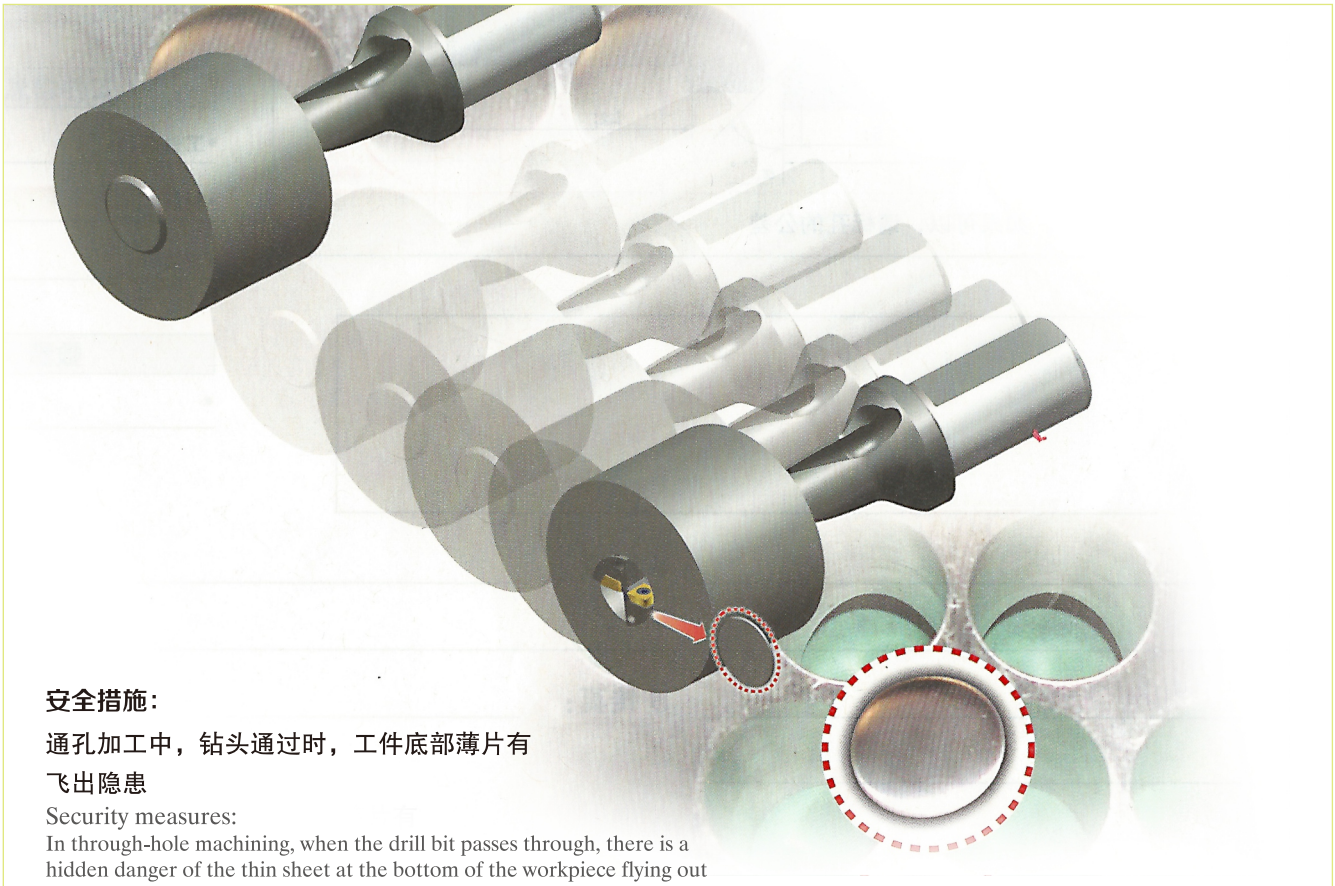
疑难解析 Troubleshooting

排屑问题 Chip removal problem	措施 Measures
长屑 Long scrapings	软质材料，Soft materials, 低碳合金钢，Low carbon alloy steel, 中性钢，不锈钢 Neutral steel, stainless steel Speed 速 度↑ Feed 进 给↓
	合金钢，alloy steel, 碳钢 carbon steel Speed 速 度↑ Feed 进 给↓
短而紧凑型断屑 Short and compact chip breaking	增强冷却压力 Enhance cooling pressure Speed 速 度↑ Feed 进 给↓

疑难解析 Troubleshooting

最佳外圆切削 Optimal outer circle cutting	最佳中心型切削 Optimal center cutting	松散型 Loose	紧凑型 Compact
			

安全事项 Safety precautions



安全措施：

通孔加工中，钻头通过时，工件底部薄片有飞出隐患

Security measures:

In through-hole machining, when the drill bit passes through, there is a hidden danger of the thin sheet at the bottom of the workpiece flying out

推荐切削条件(2D用)

Recommended Cutting Conditions (2D)

<下限值–基准值–上限值>
<Minimum value–Recommended value–Maximum value>

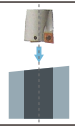
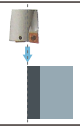
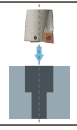
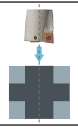
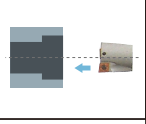
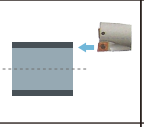
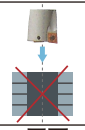
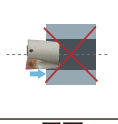
		被削材 Work Material	工件硬度 Hardness of Workpiece HB	推荐断屑层 Recommended Chipbreaker	Vc 切削速度 Cutting Speed (m/min)	f进给量 Feed Rate (mm/rev) Φ13.0 ~ Φ18.0	Φ18.5 ~ Φ29.0	Φ29.5 ~ Φ36.0	Φ37.0 ~ Φ55.0	Φ56.0 ~ Φ68.0
2D	P	钢、碳素钢 Steel、Carbon Steel SS400	125	G	120–180–240	0.05–0.08–0.10	0.05–0.08–0.10	0.05–0.08–0.11	0.05–0.08–0.12	0.06–0.09–0.13
		S15C	125	L	130–170–220	0.04–0.08–0.12	0.04–0.08–0.12	0.04–0.08–0.13	0.05–0.10–0.15	0.06–0.11–0.17
		S45C	190	G	100–150–200	0.08–0.13–0.24	0.08–0.13–0.24	0.08–0.14–0.26	0.09–0.16–0.29	0.10–0.17–0.32
		S45C 淬火 Hardened	250	G	80–120–160	0.06–0.11–0.18	0.06–0.11–0.18	0.06–0.12–0.19	0.07–0.13–0.22	0.08–0.14–0.24
		S75C	270	G	100–130–160	0.08–0.13–0.22	0.08–0.13–0.22	0.08–0.14–0.23	0.09–0.16–0.26	0.10–0.17–0.29
		S75C 淬火 Hardened	300	G	70–100–140	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22
		低合金钢 Low Alloy Steel SCM,SNCM	180	L	100–140–180	0.05–0.08–0.14	0.05–0.08–0.14	0.05–0.08–0.16	0.06–0.09–0.17	0.07–0.10–0.19
		SCM,SNCM 淬火 Hardened	275	G	80–120–160	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22
		SCM,SNCM 淬火 Hardened	300	G	75–110–140	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22
		SCM,SNCM 淬火 Hardened	350	G	60–85–110	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22
		高合金钢 High Alloy Steel SKD,SKT,SKH	200	G	100–130–160	0.08–0.13–0.24	0.08–0.13–0.24	0.08–0.14–0.26	0.09–0.16–0.29	0.10–0.17–0.32
		SKD,SKT,SKH 淬火 Hardened	325	G	80–100–120	0.06–0.11–0.18	0.06–0.11–0.18	0.06–0.12–0.19	0.07–0.13–0.22	0.08–0.14–0.24
	M	不锈钢 Stainless steel SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	100–140–180	0.06–0.11–0.18	0.06–0.11–0.18	0.06–0.12–0.19	0.07–0.13–0.22	0.08–0.14–0.24
		SUS403等 马氏体系(淬火) SUS403 and others Martensite(Hardened)	240	G	90–120–150	0.06–0.11–0.18	0.06–0.11–0.18	0.06–0.12–0.19	0.07–0.13–0.22	0.08–0.14–0.24
		SUS403, SUS316 奥氏体系 SUS403,SUS316 Austenitic	180	G	100–140–180	0.06–0.11–0.18	0.06–0.11–0.18	0.06–0.12–0.19	0.07–0.13–0.22	0.08–0.14–0.24
	K	铸铁 Cast Iron		H	120–160–200	0.09–0.20–0.32	0.10–0.22–0.32	0.11–0.24–0.39	0.12–0.26–0.44	0.13–0.29–0.48
		球墨铸铁 Ductile Cast Iron		H	90–120–150	0.09–0.20–0.32	0.10–0.22–0.32	0.11–0.24–0.39	0.12–0.26–0.44	0.13–0.29–0.48
	S	难削材(耐热合金、超合金、钛合金 etc.) Exotic Alloy(Heat Resistant Alloy,Super Alloy,Ti Alloy,etc.)	200	G	25–50–70	0.06–0.11–0.18	0.06–0.11–0.18	0.06–0.12–0.19	0.07–0.13–0.22	0.08–0.14–0.24
	N	铝合金 Aluminium Alloy		G	200–260–320	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22
		铜合金 Copper Alloy		G	180–230–280	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22

推荐切削条件(3D用)

Recommended Cutting Conditions (3D)

<下限值–基准值–上限值>
<Minimum value–Recommended value–Maximum value>

		被削材 Work Material	工件硬度 Hardness of Workpiece HB	推荐断屑层 Recommended Chipbreaker	Vc 切削速度 Cutting Speed (m/min)	f进给量 Feed Rate (mm/rev) Φ13.0 ~ Φ18.0	Φ18.5 ~ Φ29.0	Φ29.5 ~ Φ36.0	Φ37.0 ~ Φ55.0	Φ56.0 ~ Φ68.0
3D	P	钢、碳素钢 Steel、Carbon Steel SS400	125	G	120–180–240	0.05–0.07–0.10	0.05–0.07–0.10	0.05–0.08–0.11	0.05–0.08–0.12	0.06–0.09–0.13
		S15C	125	L	130–170–220	0.04–0.07–0.10	0.04–0.07–0.10	0.04–0.08–0.11	0.05–0.09–0.12	0.06–0.10–0.13
		S45C	190	G	100–150–200	0.08–0.12–0.20	0.08–0.12–0.20	0.08–0.13–0.22	0.09–0.14–0.24	0.10–0.16–0.27
		S45C 淬火 Hardened	250	G	80–120–160	0.06–0.10–0.15	0.06–0.10–0.15	0.06–0.11–0.16	0.07–0.12–0.18	0.08–0.13–0.20
		S75C	270	G	100–130–160	0.08–0.12–0.18	0.08–0.12–0.18	0.08–0.13–0.19	0.09–0.14–0.22	0.10–0.16–0.24
		S75C 淬火 Hardened	300	G	70–100–140	0.06–0.10–0.14	0.06–0.10–0.14	0.06–0.11–0.15	0.07–0.12–0.17	0.08–0.13–0.19
		低合金钢 Low Alloy Steel SCM,SNCM	180	L	100–140–180	0.05–0.07–0.12	0.05–0.07–0.12	0.05–0.08–0.13	0.06–0.08–0.15	0.07–0.09–0.16
		SCM,SNCM 淬火 Hardened	275	G	80–120–160	0.06–0.10–0.14	0.06–0.10–0.14	0.06–0.11–0.15	0.07–0.12–0.17	0.08–0.13–0.19
		SCM,SNCM 淬火 Hardened	300	G	75–110–140	0.06–0.10–0.14	0.06–0.10–0.14	0.06–0.11–0.15	0.07–0.12–0.17	0.08–0.13–0.19
		SCM,SNCM 淬火 Hardened	350	G	60–85–110	0.06–0.10–0.14	0.06–0.10–0.14	0.06–0.11–0.15	0.07–0.12–0.17	0.08–0.13–0.19
		高合金钢 High Alloy Steel SKD,SKT,SKH	200	G	100–130–160	0.08–0.12–0.20	0.08–0.12–0.20	0.08–0.13–0.22	0.09–0.14–0.24	0.10–0.16–0.27
		SKD,SKT,SKH 淬火 Hardened	325	G	80–100–120	0.06–0.10–0.15	0.06–0.10–0.15	0.06–0.11–0.16	0.07–0.12–0.18	0.08–0.13–0.20
	M	不锈钢 Stainless steel SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	100–140–180	0.06–0.10–0.15	0.06–0.10–0.15	0.06–0.11–0.16	0.07–0.12–0.18	0.08–0.13–0.20
		SUS403等 马氏体系(淬火) SUS403 and others Martensite(Hardened)	240	G	90–120–150	0.06–0.10–0.15	0.06–0.10–0.15	0.06–0.11–0.16	0.07–0.12–0.18	0.08–0.13–0.20
		SUS403, SUS316 奥氏体系 SUS403,SUS316 Austenitic	180	G	100–140–180	0.06–0.10–0.15	0.06–0.10–0.15	0.06–0.11–0.16	0.07–0.12–0.18	0.08–0.13–0.20
	K	铸铁 Cast Iron		H	120–160–200	0.09–0.18–0.27	0.10–0.20–0.30	0.11–0.22–0.32	0.12–0.24–0.36	0.13–0.26–0.40
		球墨铸铁 Ductile Cast Iron		H	90–120–150	0.09–0.18–0.27	0.10–0.20–0.30	0.11–0.22–0.32	0.12–0.24–0.36	0.13–0.26–0.40
	S	难削材(耐热合金、超合金、钛合金 etc.) Exotic Alloy(Heat Resistant Alloy,Super Alloy,Ti Alloy,etc.)	200	G	25–50–70	0.06–0.10–0.15	0.06–0.10–0.15	0.06–0.11–0.16	0.07–0.12–0.18	0.08–0.13–0.20
	N	铝合金 Aluminium Alloy		G	200–260–320	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22
		铜合金 Copper Alloy		G	180–230–280	0.06–0.11–0.17	0.06–0.11–0.17	0.06–0.12–0.18	0.07–0.13–0.20	0.08–0.14–0.22

加工用途 Application	斜面入口 Angled surface	半圆孔加工 Half Cylindrical	扩孔 Pre-cast Hole	交叉孔加工 Intersecting Holes	镗削 Boring	外径加工 External Turning	叠板加工 Laminated Plates	退刀镗孔 Back Boring
								
进给量(f) mm/rev Feed Rate (f)	0.05	0.05	0.08	0.05	0.1	0.1	不可 Not applicable	不可 Not applicable

推荐切削条件(4D用)

Recommended Cutting Conditions (4D)

<下限值–基准值–上限值>
<Minimum value–Recommended value–Maximum value>

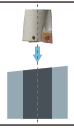
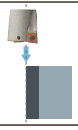
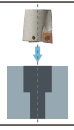
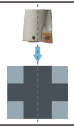
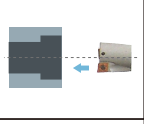
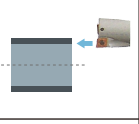
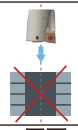
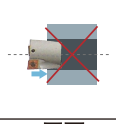
		被削材 Work Material	工件硬度 Hardness of Workpiece HB	推荐断屑层 Recommended Chipbreaker	Vc 切削速度 Cutting Speed (m/min)	f进给量 Feed Rate (mm/rev) Φ13.0 ~ Φ18.0	Φ18.5 ~ Φ29.0	Φ29.5 ~ Φ36.0	Φ37.0 ~ Φ55.0	Φ56.0 ~ Φ68.0
4D	P	钢、碳素钢 Steel、Carbon Steel SS400	125	G	120–180–240	0.05–0.07–0.10	0.05–0.07–0.10	0.05–0.07–0.10	0.05–0.08–0.10	0.06–0.09–0.11
		S15C	125	L	130–170–220	0.04–0.07–0.09	0.04–0.07–0.09	0.04–0.07–0.09	0.05–0.08–0.10	0.06–0.09–0.11
		S45C	190	G	100–150–200	0.08–0.11–0.17	0.08–0.11–0.17	0.08–0.12–0.18	0.09–0.14–0.21	0.10–0.15–0.23
		S45C 淬火 Hardened	250	G	80–120–160	0.06–0.10–0.13	0.06–0.10–0.13	0.06–0.10–0.14	0.07–0.11–0.15	0.08–0.12–0.17
		S75C	270	G	100–130–160	0.08–0.11–0.15	0.08–0.11–0.15	0.08–0.12–0.17	0.09–0.14–0.19	0.10–0.15–0.20
		S75C 淬火 Hardened	300	G	70–100–140	0.06–0.10–0.12	0.06–0.10–0.12	0.06–0.10–0.13	0.07–0.11–0.14	0.08–0.12–0.16
		低合金钢 Low Alloy Steel SCM,SNCM	180	L	100–140–180	0.05–0.07–0.10	0.05–0.07–0.10	0.05–0.07–0.11	0.06–0.08–0.12	0.07–0.09–0.14
		SCM,SNCM 淬火 Hardened	275	G	80–120–160	0.06–0.10–0.12	0.06–0.10–0.12	0.06–0.10–0.13	0.07–0.11–0.14	0.08–0.12–0.16
		SCM,SNCM 淬火 Hardened	300	G	75–110–140	0.06–0.10–0.12	0.06–0.10–0.12	0.06–0.10–0.13	0.07–0.11–0.14	0.08–0.12–0.16
		SCM,SNCM 淬火 Hardened	350	G	60–85–110	0.06–0.10–0.12	0.06–0.10–0.12	0.06–0.10–0.13	0.07–0.11–0.14	0.08–0.12–0.16
		高合金钢 High Alloy Steel SKD,SKT,SKH	200	G	100–130–160	0.08–0.11–0.17	0.08–0.11–0.17	0.08–0.12–0.18	0.09–0.14–0.21	0.10–0.15–0.23
		SKD,SKT,SKH 淬火 Hardened	325	G	80–100–120	0.06–0.10–0.13	0.06–0.10–0.13	0.06–0.10–0.14	0.07–0.11–0.15	0.08–0.12–0.17
	M	不锈钢 Stainless steel SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	100–140–180	0.06–0.10–0.13	0.06–0.10–0.13	0.06–0.10–0.14	0.07–0.11–0.15	0.08–0.12–0.17
		SUS403等 马氏体系(淬火) SUS403 and others Martensite(Hardened)	240	G	90–120–150	0.06–0.10–0.13	0.06–0.10–0.13	0.06–0.10–0.14	0.07–0.11–0.15	0.08–0.12–0.17
		SUS403, SUS316 奥氏体系 SUS403,SUS316 Austenitic	180	G	100–140–180	0.06–0.10–0.13	0.06–0.10–0.13	0.06–0.10–0.14	0.07–0.11–0.15	0.08–0.12–0.17
	K	铸铁 Cast Iron		H	120–160–200	0.09–0.17–0.23	0.10–0.19–0.26	0.11–0.21–0.28	0.12–0.23–0.31	0.13–0.25–0.34
		球墨铸铁 Ductile Cast Iron		H	90–120–150	0.09–0.17–0.23	0.10–0.19–0.26	0.11–0.21–0.28	0.12–0.23–0.31	0.13–0.25–0.34
	S	难削材(耐热合金、超合金、钛合金 etc.) Exotic Alloy(Heat Resistant Alloy,Super Alloy,Ti Alloy,etc.)	200	G	25–50–70	0.06–0.10–0.13	0.06–0.10–0.13	0.06–0.10–0.14	0.07–0.11–0.15	0.08–0.12–0.17
	N	铝合金 Aluminium Alloy		G	200–260–320	0.05–0.10–0.15	0.05–0.10–0.15	0.06–0.11–0.16	0.06–0.12–0.18	0.07–0.13–0.20
		铜合金 Copper Alloy		G	180–230–280	0.05–0.10–0.15	0.05–0.10–0.15	0.06–0.11–0.16	0.06–0.12–0.18	0.07–0.13–0.20

推荐切削条件(5D用)

Recommended Cutting Conditions (5D)

<下限值–基准值–上限值>
<Minimum value–Recommended value–Maximum value>

		被削材 Work Material	工件硬度 Hardness of Workpiece HB	推荐断屑层 Recommended Chipbreaker	Vc 切削速度 Cutting Speed (m/min)	f进给量 Feed Rate (mm/rev) Φ13.0 ~ Φ18.0	Φ18.5 ~ Φ29.0	Φ29.5 ~ Φ36.0	Φ37.0 ~ Φ55.0	Φ56.0 ~ Φ68.0
5D	P	钢、碳素钢 Steel、Carbon Steel SS400	125	G	120–180–240	0.05–0.06–0.09	0.05–0.06–0.09	0.05–0.06–0.09	0.05–0.07–0.09	
		S15C	125	L	130–170–220	0.04–0.06–0.08	0.04–0.06–0.08	0.04–0.06–0.08	0.05–0.07–0.09	
		S45C	190	G	100–150–200	0.07–0.10–0.15	0.07–0.10–0.15	0.08–0.11–0.17	0.09–0.12–0.19	
		S45C 淬火 Hardened	250	G	80–120–160	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.14	
		S75C	270	G	100–130–160	0.07–0.10–0.14	0.07–0.10–0.14	0.08–0.11–0.15	0.09–0.12–0.17	
		S75C 淬火 Hardened	300	G	70–100–140	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.13	
		低合金钢 Low Alloy Steel SCM,SNCM	180	L	100–140–180	0.05–0.06–0.09	0.05–0.06–0.09	0.05–0.06–0.10	0.05–0.07–0.11	
		SCM,SNCM 淬火 Hardened	275	G	80–120–160	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.13	
		SCM,SNCM 淬火 Hardened	300	G	75–110–140	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.13	
		SCM,SNCM 淬火 Hardened	350	G	60–85–110	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.13	
		高合金钢 High Alloy Steel SKD,SKT,SKH	200	G	100–130–160	0.07–0.10–0.15	0.07–0.10–0.15	0.08–0.11–0.17	0.09–0.12–0.19	
		SKD,SKT,SKH 淬火 Hardened	325	G	80–100–120	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.14	
	M	不锈钢 Stainless steel SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	100–140–180	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.14	
		SUS403等 马氏体系(淬火) SUS403 and others Martensite(Hardened)	240	G	90–120–150	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.14	
		SUS403, SUS316 奥氏体系 SUS403,SUS316 Austenitic	180	G	100–140–180	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.14	
	K	铸铁 Cast Iron		H	120–160–200	0.08–0.15–0.21	0.09–0.17–0.23	0.09–0.18–0.25	0.11–0.20–0.28	
		球墨铸铁 Ductile Cast Iron		H	90–120–150	0.08–0.15–0.21	0.09–0.17–0.23	0.09–0.18–0.25	0.11–0.20–0.28	
	S	难削材(耐热合金、超合金、钛合金 etc.) Exotic Alloy(Heat Resistant Alloy,Super Alloy,Ti Alloy,etc.)	200	G	25–50–70	0.05–0.09–0.11	0.05–0.09–0.11	0.06–0.09–0.12	0.06–0.10–0.14	
	N	铝合金 Aluminium Alloy		G	200–260–320	0.05–0.10–0.15	0.05–0.10–0.15	0.06–0.11–0.16	0.06–0.12–0.18	
		铜合金 Copper Alloy		G	180–230–280	0.05–0.10–0.15	0.05–0.10–0.15	0.06–0.11–0.16	0.06–0.12–0.18	

加工用途 Application	斜面入口 Angled surface	半圆孔加工 Half Cylindrical	扩孔 Pre-cast Hole	交叉孔加工 Intersecting Holes	镗削 Boring	外径加工 External Turning	叠板加工 Laminated Plates	退刀镗孔 Back Boring
								
进给量(f) mm/rev Feed Rate (f)	0.05	0.05	0.08	0.05	0.1	0.1	不可 Not applicable	不可 Not applicable