产品目录

Product catalogue

2024



HLD Crown Drill



HLD insert



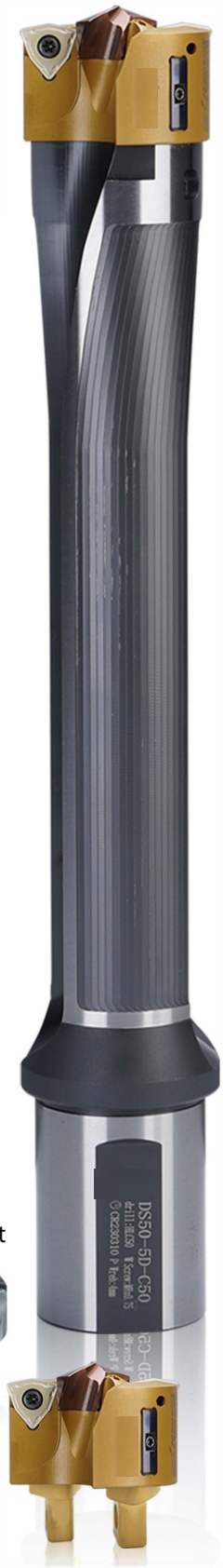
ICD Crown Drill



ICD insert



HLC Crown Drill

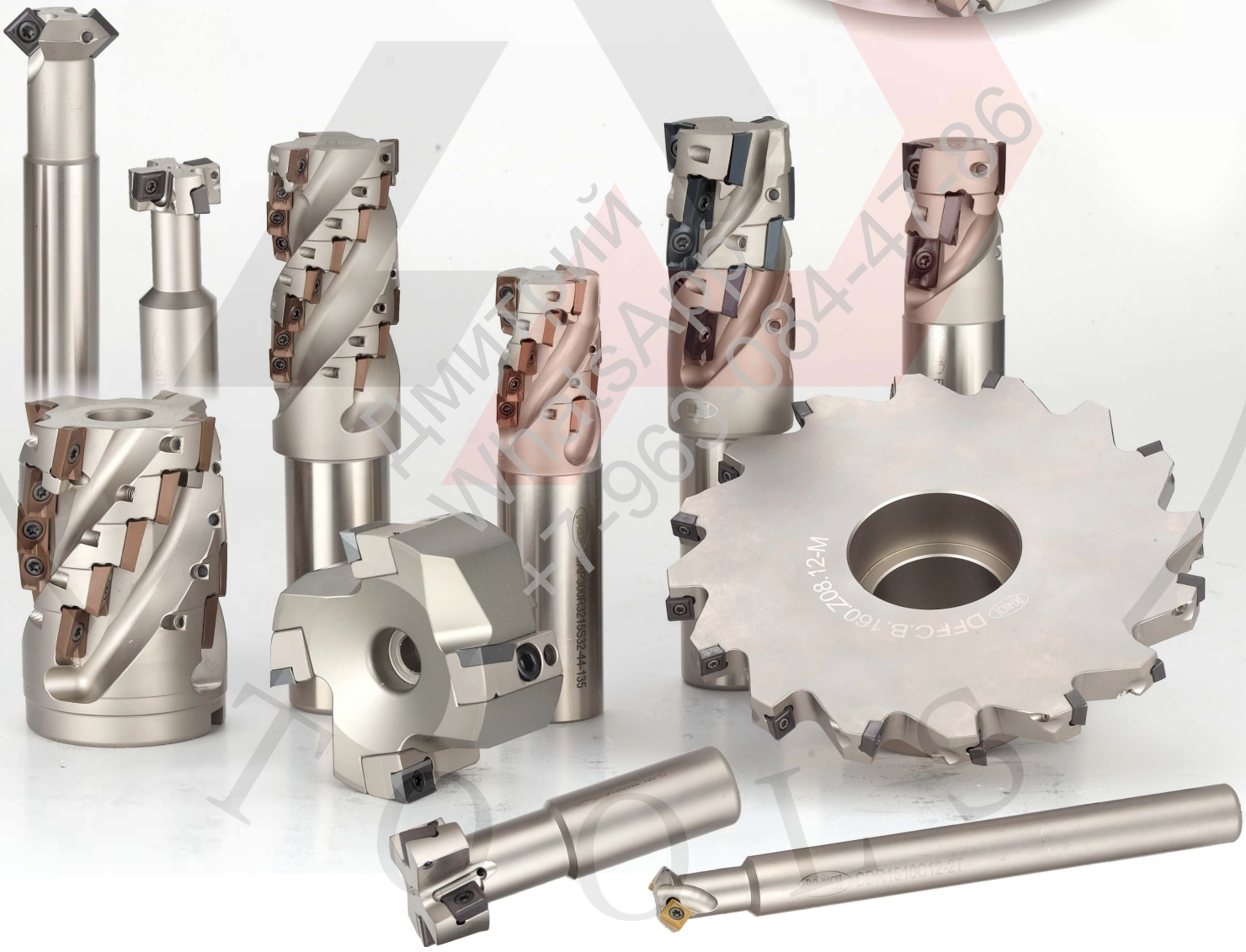



2DX16X12
VHD-0800085-25
2DX12X10
M12-D14-5DP-ABL-C25-05
SF-16R-2.5D
DS50-5D-C50
16.0

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 the drill bit well

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

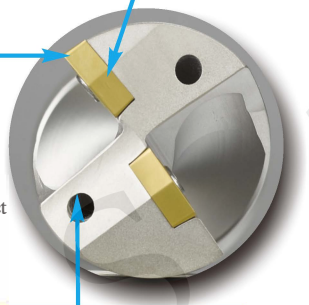
Innovative spiral groove design
Internal and external groove ratio 6:4 for better chip removal

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

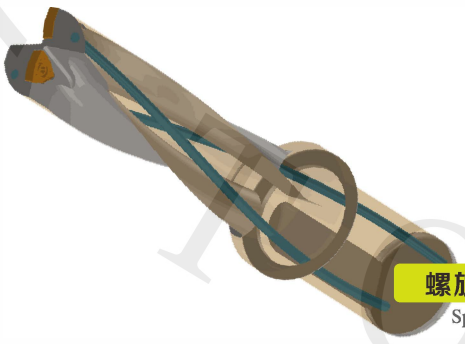


正负公差－0.1
公差保持稳定,全检

Positive and negative tolerances -0.1
Maintain stable tolerance and conduct full inspection

出水孔：
加大一倍水压，达到7KG

Water outlet:
Double the water pressure to reach 7KG



螺旋出水孔

Spiral water outlet

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外冷转换内冷 External cooling to internal cooling

SLO侧固式油路刀柄 Oil tool handle

Suitable for: fast drilling, shovel drilling, crown drilling with external water conversion and internal water spray cooling

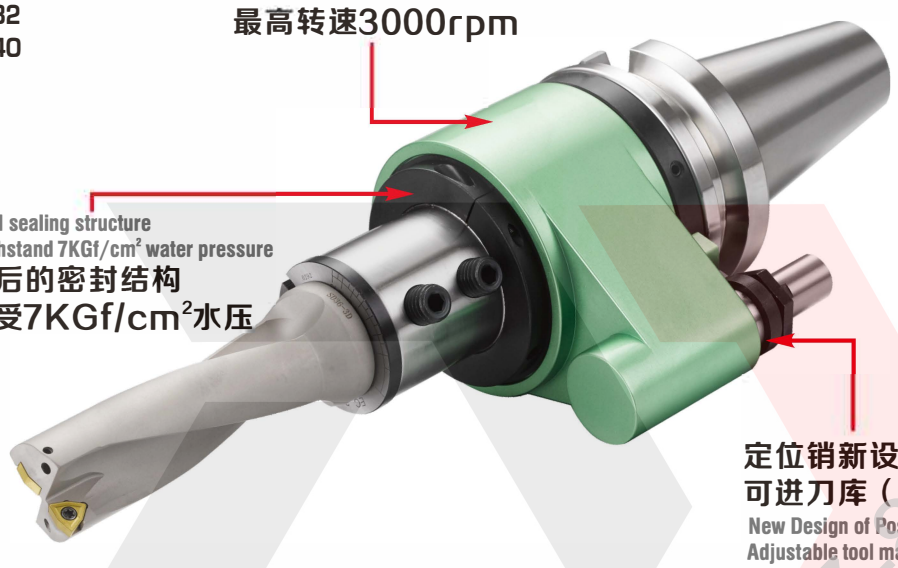
适用于：快速钻、铲钻、皇冠钻 外水转换内喷水冷却

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: tungsten steel internal cooling Fried Dough Twists drill, crown drill external water conversion 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 fast drill

WC 快速钻

WCMT insert

Φ10.5~100mm

2D 3D 4D 5D 6D



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SP fast drill

SP 快速钻

SPMG insert

Φ8.5~100mm

2D 3D 4D 5D 6D

SPMG 刀片系列

SPMG Drill Insert Series

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Spade drills

铲钻

Flanged shank

钻孔： Φ9.5~114mm

Helical Flute Drills

钻削深度：50mm，70mm，100mm，150mm，200mm，250mm，
300mm，350mm，400mm，450mm，500mm，600mm







Shovel Drill Insert Series

铲钻刀片系列

Φ9.5~114mm

1、Powder HSS
2、Cemented carbide

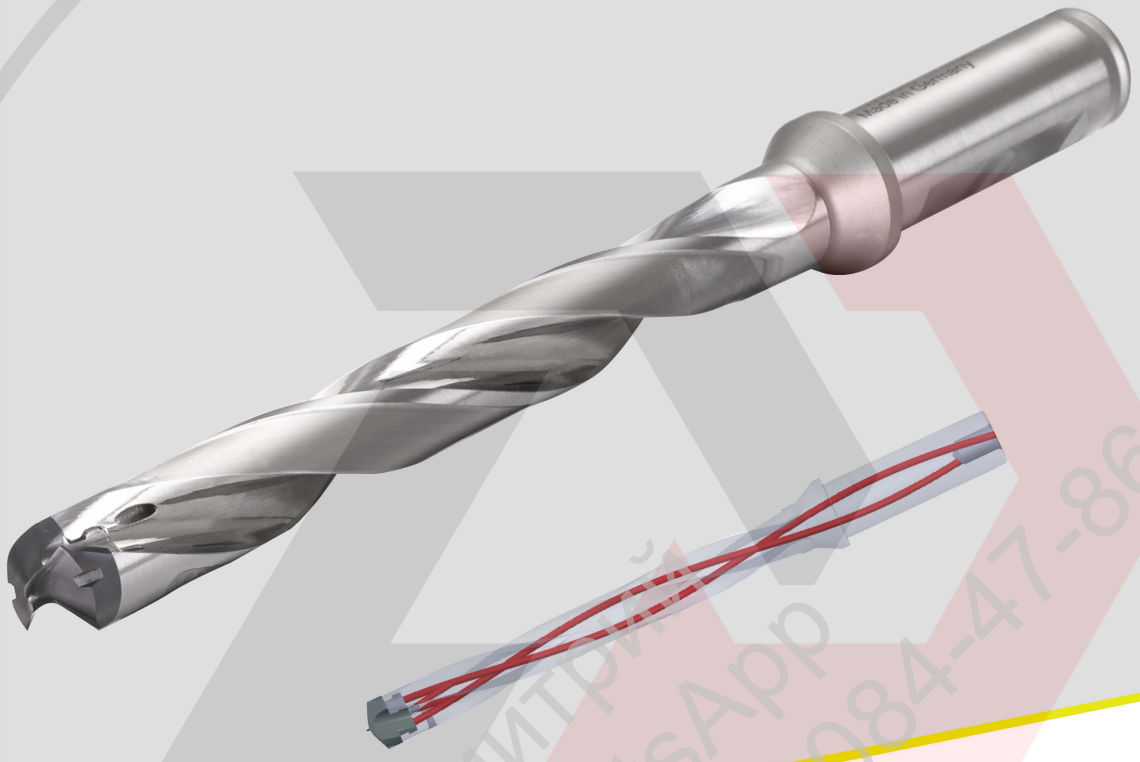
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ICD Crown drill

ICD 皇冠钻

钻孔：Φ*8~26mm*

钻削深度：*1.5D，3D，5D，8D，10D，12D*



Crown drill Insert series

皇冠钻刀片系列

Φ*8~26mm*

1、Cemented carbide



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VWC with centering U drill

VWC 带定心U钻

WCMT insert

钻孔：*Φ16~60mm*

钻削深度：*6D，8D，10D，12D*



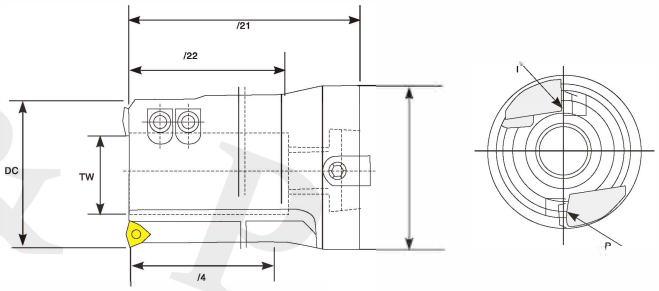


WCMT 刀片系列
WCMT blade series
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D & P TOOLS

WC core drill

WC留心钻

WCMT insert



Flanged shank

钻孔：*Φ50~200mm*

Helical Flute Drills

钻削深度：*50mm，100mm，150mm，200mm，250mm*









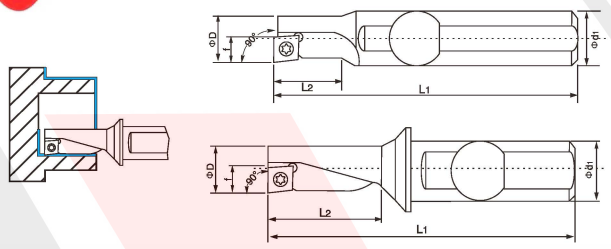
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CNC车床专用：SF单刃钻头

Special for cnc lathe



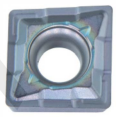
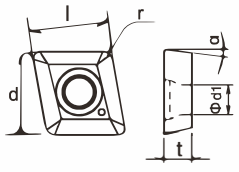




型号 Cat.No	尺寸（mm）				刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
	D	d1	L1	L2				
SF-8R-2.5D-C20	8	20	85	20	QCMT 050204	M2.0x4	T6	0.18
SF-10R-2.5D-C16/C20	10	16/20	90	25	QCMT 050204	M2.0x5	T6	
SF-12R-2.5D-C16/C20	12	16/20	95	30	QCMT 060204	M2.0x5	T6	
SF-14R-2.5D-C16/C20	14	16/20	100	35	QCMT 070304	M2.5x7	T7	0.16
SF-16R-2.5D-C16/C20	16	16/20	112	40	QCMT 080304	M3.0x7	T10	0.2
SF-18R-2.5D-C20	18	20	117	45	QCMT 10T304	M3.0x7	T10	
SF-20R-2.5D-C25	20	25	128	50	QCMT 10T304	M3.5x8	T15	
SF-25R-2.5D-C32	25	32	147	62.5	QCMT 130408	M5.0x10	T20	

适用刀片

Match Insert

外观	型号 Cat.No	涂层	尺寸（mm）		结构
			l	r	
	QCMT 050204	●	5.0	0.4	
	QCMT 060204	●	6.0	0.4	
	QCMT 070304	●	7.0	0.4	
	QCMT 080304	●	8.0	0.4	
	QCMT 10T304	●	10.0	0.4	
	QCMT 130408	●	12.7	0.8	



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TOOLS



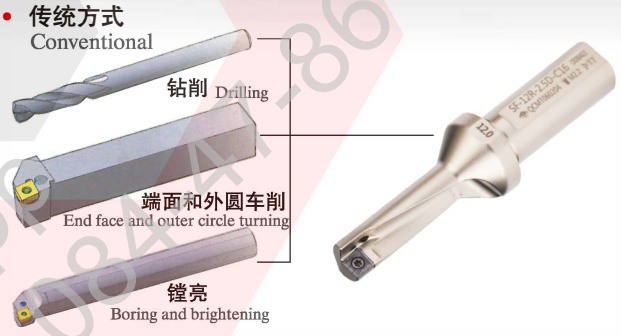
SF
单刃钻头
Single edged drill bit

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

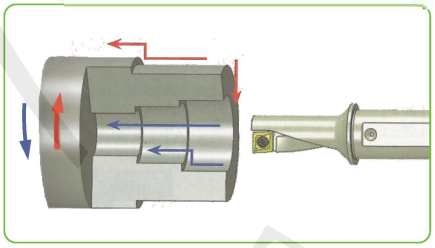
- 车削、镗削、钻削功能，使用一种刀具加工
- 节约安装时间，缩短节拍
- 减少刀具使用数量，节约刀具成本
- Turning, boring, and drilling functions, using a single tool for machining
- Save installation time and shorten the pace
- Reduce the number of tools used and save tool costs

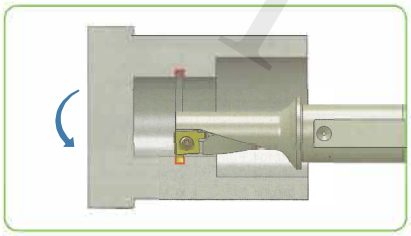
应用
application

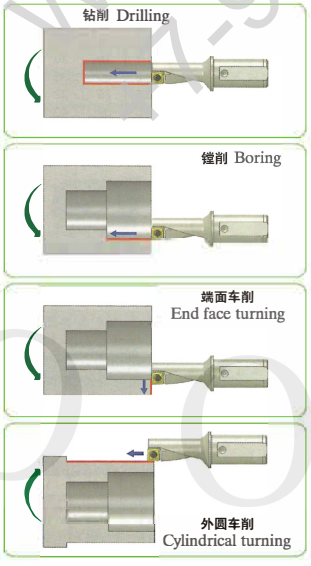
- 传统方式
Conventional



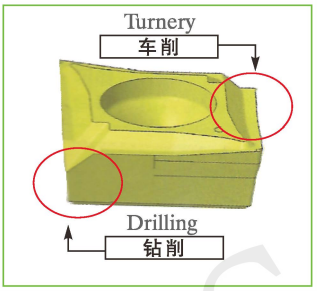
SF单刃钻头
SF Single edged drill bit







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

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Screw countersunk chamfer drill

螺丝沉头倒角钻

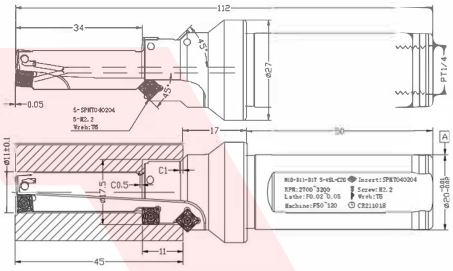
M8~M24

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

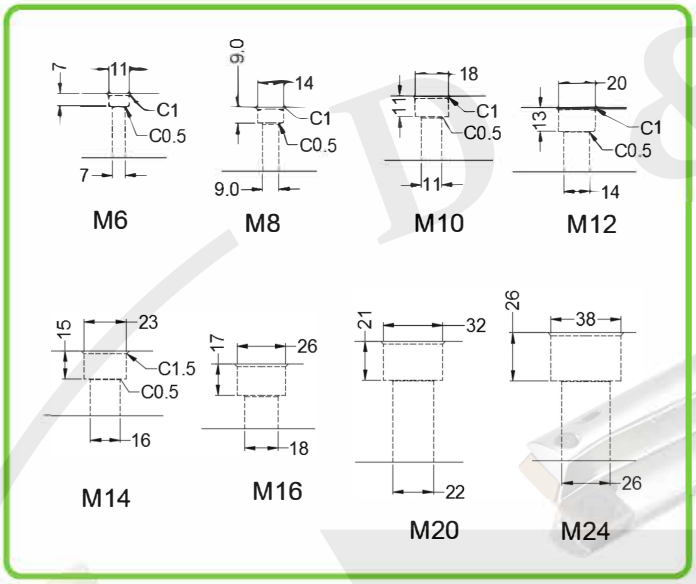
螺纹	型 号	过孔直径	沉头孔	有效长	柄径	匹配刀片	螺丝	扳手	重量 Kg
M8	M8-D9-14-35L-C20	9	14	35	20	SPMG03	M1.8	T6	0.2
M10	M10-D11-17.5-35L/45L-C20	11	18	35/40	20	SPMG04	M2.2	T6	0.22
M12	M12-D14-20-35L-C25	14	20	35	25	SPMG05	M2.2	T6	0.34
M14	M14-D16-23-35L-C25	16	23	35	25	SPMG06	M2.2	T7	0.38
M16	M16-D18-26-35L-C25	18	26	35	25	SPMG06	M2.2	T7	0.4
M20	M20-D22-32-65L-C25	22	32	65	25	SPMG07	M2.5	T8	0.62
M24	M24-D26-38-70L-C32	26	38	70	32	SPMG07	M2.5	T8	0.9



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螺丝沉头倒角钻

Screw countersunk chamfer drill



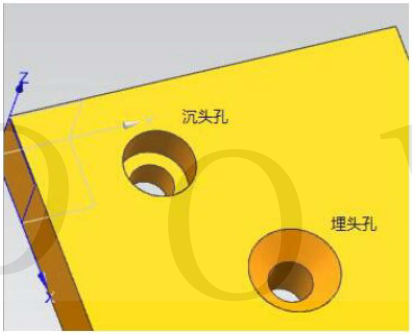


特 色

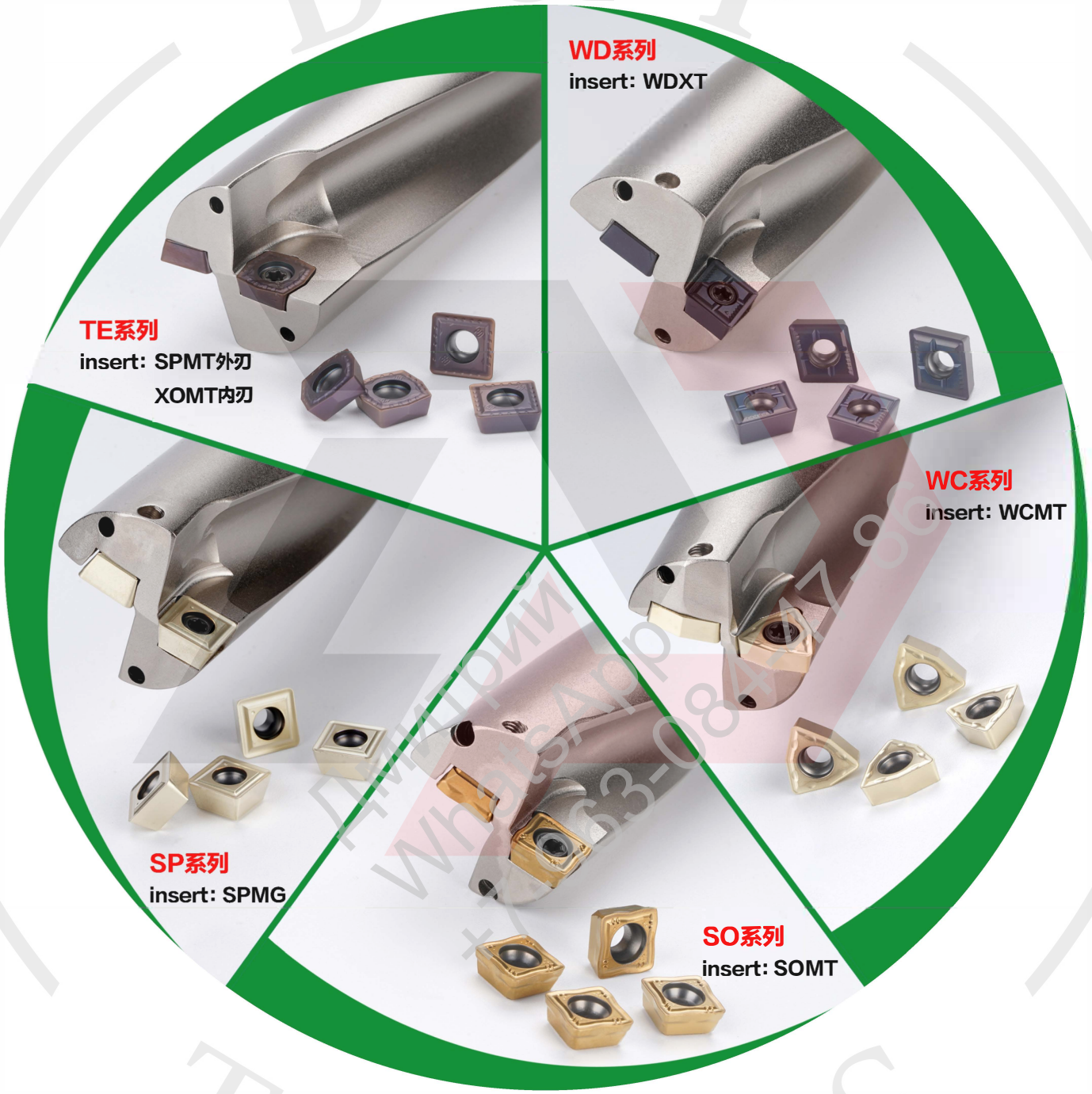
- 成型钻
- 钻孔+沉头+倒角
- 一刀成型 效率高
- 刀片耐磨耗、寿命长。
- 一把刀解决3把刀工作量，大量节省刀具费用及时间。

- 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.









D & P TOOLS
Nhận gửi WhatsApp +84-63-084-17-96

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



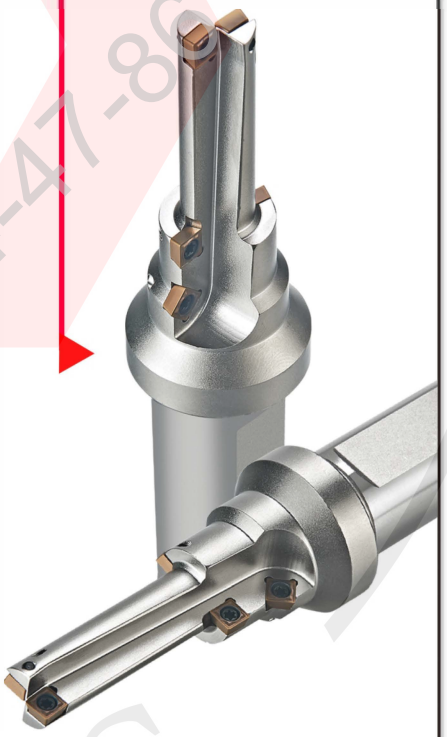
WC10~13.5mm小钻头

2D/3D/4D/5D
WCMT刀片



螺丝沉头倒角钻

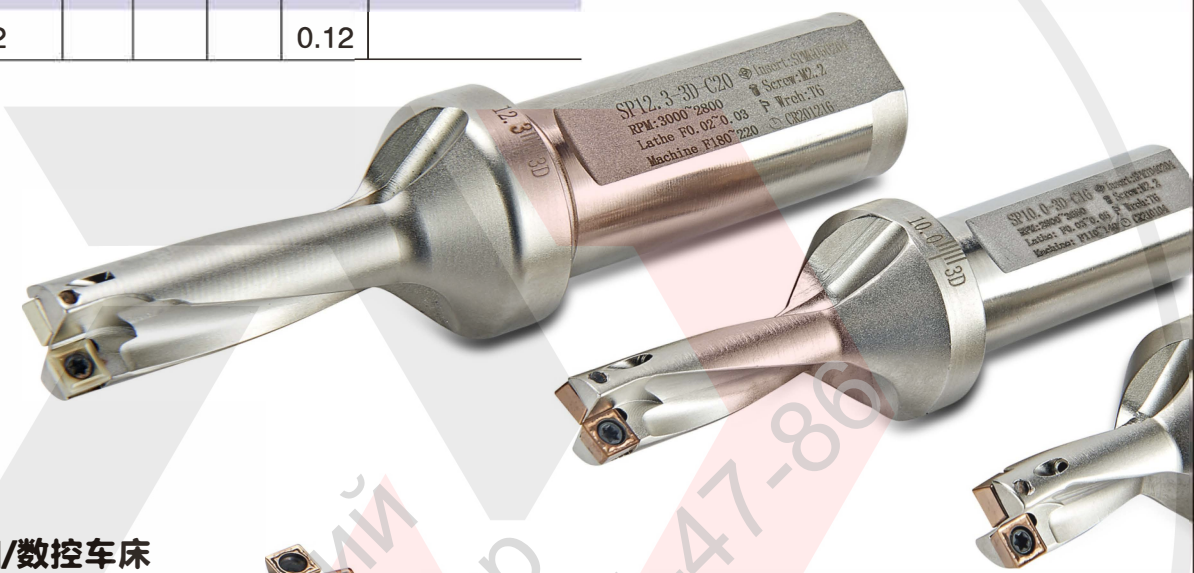
直径：m8/m10/m12/
m14/m16/m20/m24
螺丝过孔成型钻
匹配刀片:SPMG



D&P TOOLS
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规 格 Cat.No	直 径 Diameter	2D	3D	4D	重量 Kg	匹配刀片 Insert
SP9.5–C16–SP03	9.5				0.12	
SP10.0–C16–SP04	10				0.14	
SP10.5–C16–SP04	10.5				0.12	SPMG040204
SP11.0–C16–SP04	11				0.12	
SP11.5–C16–SP04	11.5				0.12	
SP12.0–C16–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 Diameter	有效长（mm） 2倍长	3倍长	4倍长	5倍长	柄径	重量 Kg	匹配刀片 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

Дмитрий WhatsApp +7-963-084-47-86 TOOLS



Invincible small drill bit
无敌小钻头

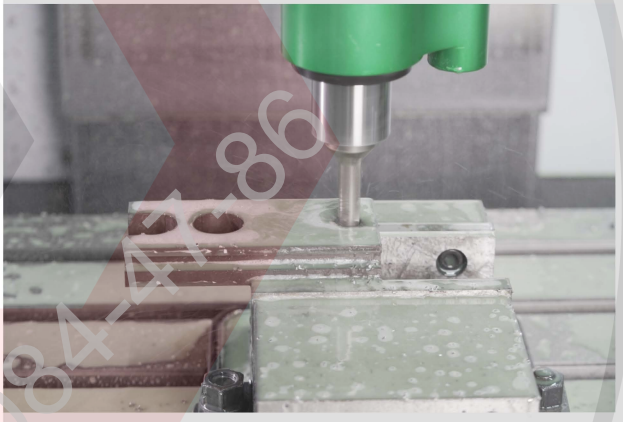




特 色 Feature

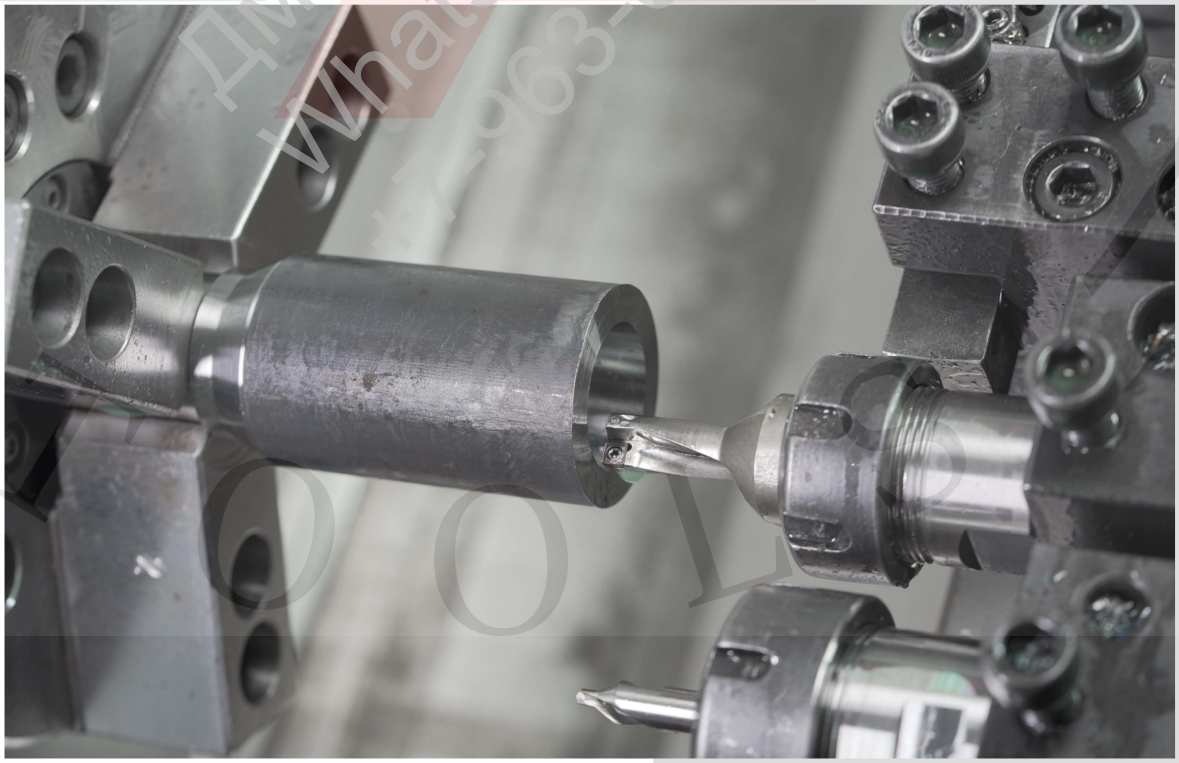
- 最小尺寸10mm。
- 直径间隔0.1mm。
- 切削刃数密，加工速度快。
- 刀片耐磨耗、寿命长。
- 一把刀多种用途，大量节省刀具费用。

- 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



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Internal and external chamfering knives

内外倒角刀





规 格 Cat.No	重量 Kg	最小径 Minimum diameter	最大径 Maximum diameter	柄径 Stem diameter	全长 Entire length	匹配刀片 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						

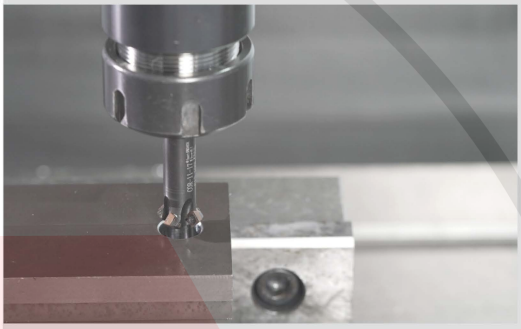


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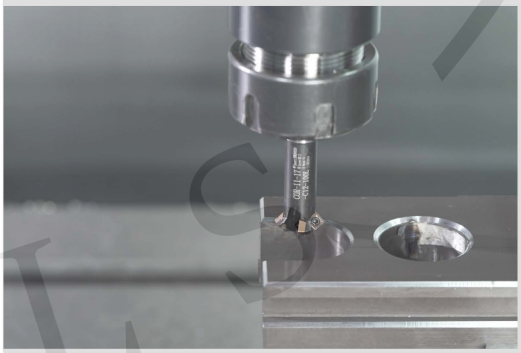
Nternal and external chamfering knives

内外倒角刀

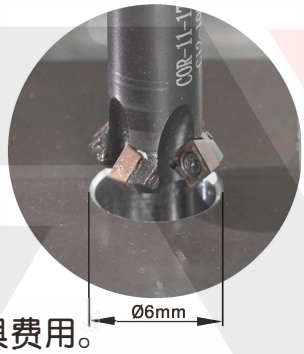








特 色 Feature

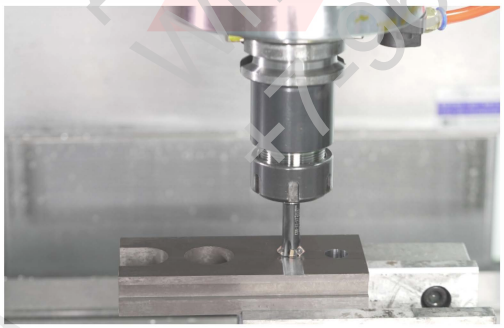


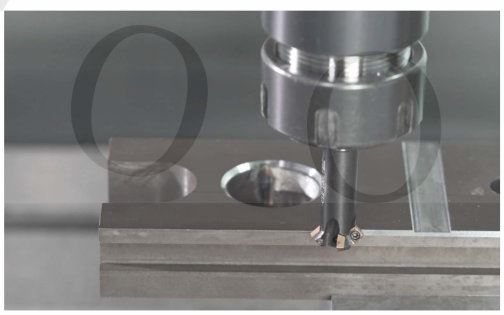
- 最小尺寸6mm。
- 双角度刀片，大幅增加进给。
- 切削刃数密，加工速度快。
- 刀片耐磨耗、寿命长。
- 一把刀多种用途，大量节省刀具费用。

- 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
- 內圆倒角 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





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45° 倒角环

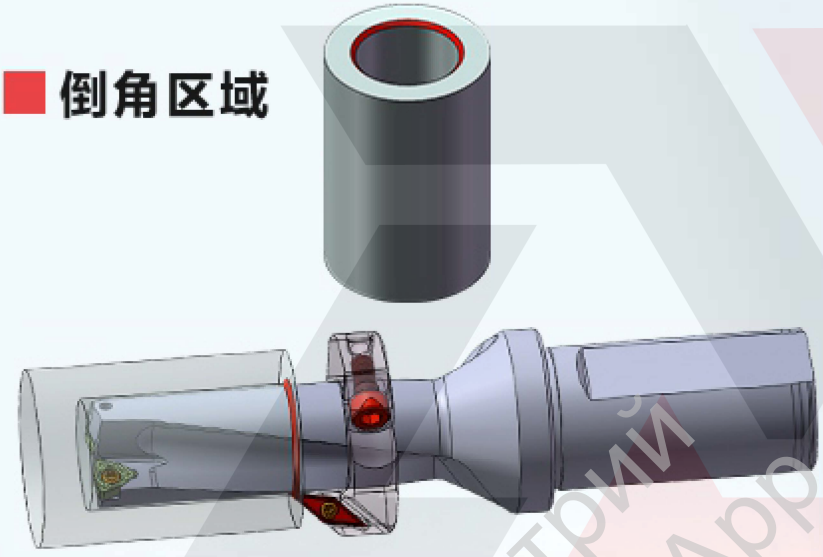
45° chamfer ring

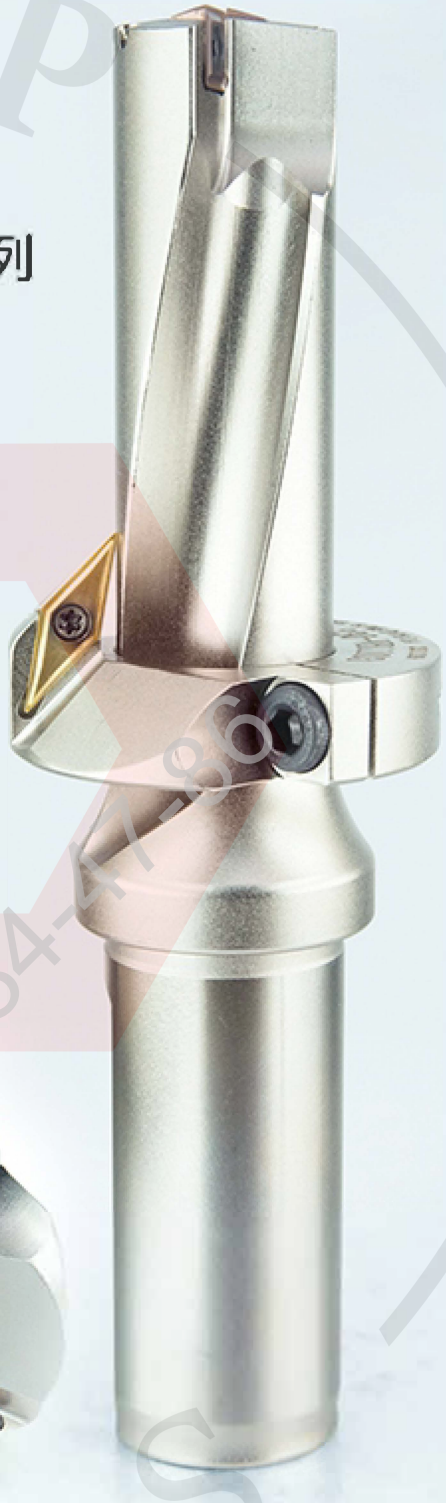
钻孔+倒角一体成型

可适配U钻:WC/SP/TE/WD/880系列

孔倒角范围:12mm~40mm

■ 倒角区域







倒角刀片:VBGT100302

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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



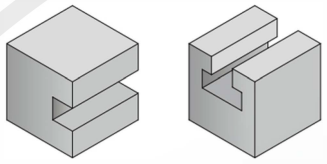
T型槽铣刀

T-slot milling cutter

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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

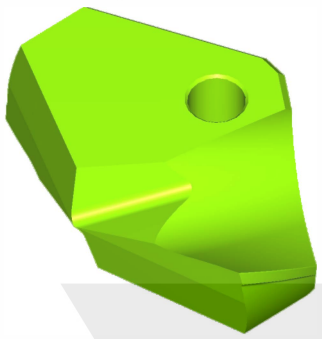
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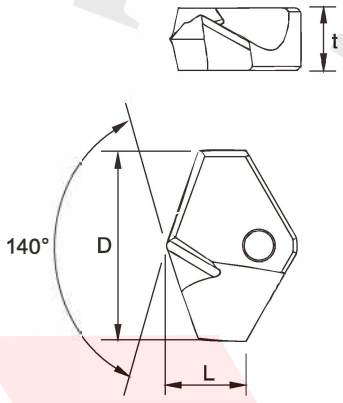
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TPDB侧锁式皇冠钻刀片

TPDB crown drill insert



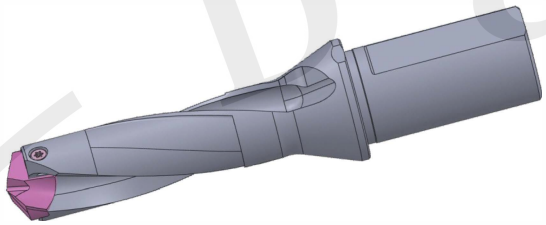


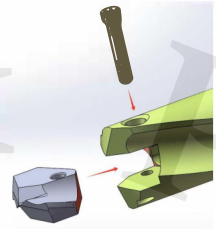
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TPD100B~109B		10.0~10.9	5.5	3.5	10.0~12.9	FTNB0209	TW06P	0.4
TPD110B~119B		11.0~11.9	5.8	3.5				
TPD120B~129B		12.0~12.9	6.3	3.5				
TPD130B~139B		13.0~13.9	6.5	4.0	13.0~14.9	FTNB02512	TW07S	0.8
TPD140B~149B		14.0~14.9	6.8	4.0				
TPD150B~159B		15.0~15.9	7.0	4.0	15.0~17.9	FTNB02514	TW07S	0.8
TPD160B~169B		16.0~16.9	7.7	5.5				
TPD170B~179B		17.0~17.9	7.9	5.5				
TPD180B~189B		18.0~18.9	8.1	6.0	18.0~19.9	FTNB0316	TW09S	1.2
TPD190B~199B		19.0~19.9	8.3	6.0				
TPD200B~209B		20.0~20.9	9.7	6.5	20.0~23.9	FTNB0319	TW09S	1.2
TPD210B~219B		21.0~21.9	9.4	6.5				
TPD220B~229B		22.0~22.9	9.6	7.0				
TPD230B~239B		23.0~23.9	9.8	7.0				
TPD240B~249B		24.0~24.9	10.7	7.5	24.0~25.9	FTNB03522	TW15S	3
TPD250B~259B		25.0~25.9	10.9	7.5				
TPD260B~269B		26.0~26.9	11.0	8.5	26.0~27.9	FTNB03524	TW15S	3
TPD270B~279B		27.0~27.9	11.8	8.5				
TPD280B~289B		28.0~28.9	12.6	9.5	28.0~29.9	FTNB0426	TW15S	3
TPD290B~299B		29.0~29.9	12.9	9.5				
TPD300B~309B		30.0~30.9	13.0	10	30.0~32.9	FTNB0528	TW20~100	4
TPD310B~319B		31.0~31.9	13.3	10				
TPD320B~329B		32.0~32.9	13.5	10				

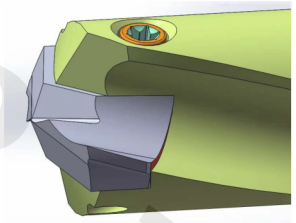
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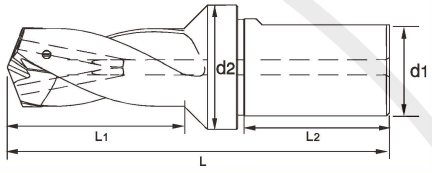
TPDB-3D侧锁式皇冠钻杆

TPDB-3D crown drill







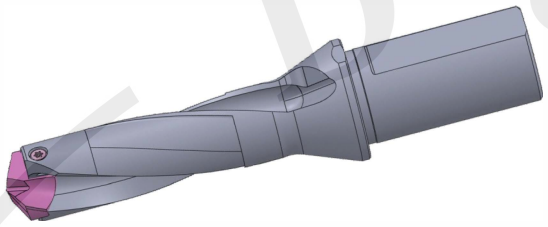


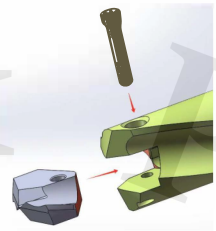
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TPDB 100-16-3		10.0~10.4	16	20	30.0	48	95	TPD100B~104B
TPDB 105-16-3		10.5~10.9	16	20	31.5	48	96	TPD105B~109B
TPDB 110-16-3		11.0~11.4	16	20	33.0	48	98	TPD110B~114B
TPDB 115-16-3		11.5~11.9	16	20	34.5	48	99	TPD115B~119B
TPDB 120-16-3		12.0~12.4	16	20	36.0	48	102	TPD120B~124B
TPDB 125-16-3		12.5~12.9	16	20	37.5	48	104	TPD125B~123B
TPDB 130-16-3		13.0~13.4	16	20	39.0	48	107	TPD130B~134B
TPDB 135-16-3		13.5~13.9	16	20	40.5	48	109	TPD135B~139B
TPDB 140-16-3		14.0~14.4	16	20	42.0	48	111	TPD140B~144B
TPDB 145-16-3		14.5~14.9	16	20	43.5	48	114	TPD145B~149B
TPDB 150-20-3		15.0~15.4	20	25	45.0	50	118	TPD150B~154B
TPDB 155-20-3		15.5~15.9	20	25	46.5	50	120	TPD155B~159B
TPDB 160-20-3		16.0~16,4	20	25	48.0	50	122	TPD160B~164B
TPDB 165-20-3		16.5~16.9	20	25	49.5	50	124	TPD165B~169B
TPDB 170-20-3		17.0~17.4	20	25	51.0	50	127	TPD170B~174B
TPDB 175-20-3		17.5~17.9	20	25	52.5	50	129	TPD175B~179B
TPDB 180-25-3		18.0~18.4	25	33	54.0	56	137	TPD180B~154B
TPDB 185-25-3		18.5~18.9	25	33	56.5	56	139	TPD125B~189B
TPDB 190-25-3		19.0~19.4	25	33	57.0	56	142	TPD190B~194B
TPDB 195-25-3		19.5~19.9	25	33	58.5	56	144	TPD195B~199B
TPDB 200-25-3		20.0~20.4	25	33	60.0	56	146	TPD200B~204B
TPDB 205-25-3		20.5~20.9	25	33	61.5	56	148	TPD205B~209B
TPDB 210-25-3		21.0~21.4	25	33	63.0	60	151	TPD210B~214B
TPDB 215-25-3		21.5~21.9	25	33	64.5	60	153	TPD215B~219B
TPDB 220-25-3		22.0~22.4	25	33	66.0	60	155	TPD220B~224B
TPDB 225-25-3		22.5~22.9	25	33	67.5	60	157	TPD225B~229B
TPDB 230-25-3		23.0~23.4	25	33	69.0	60	160	TPD230B~234B
TPDB 235-25-3		23.5~23.9	25	33	70.5	60	162	TPD235B~239B
TPDB 240-32-3		24.0~24.4	32	43	72.0	60	168	TPD240B~244B
TPDB 245-32-3		24.5~24.9	32	43	73.5	60	170	TPD245B~249B
TPDB 250-32-3		25.0~25.4	32	43	75.0	60	173	TPD250B~254B
TPDB 255-32-3		25.5~25.9	32	43	76.5	60	175	TPD255B~259B
TPDB 260-32-3		26.0~26.9	32	43	78.0	60	177	TPD260B~269B
TPDB 270-32-3		27.0~27.9	32	43	81.0	60	182	TPD270B~279B
TPDB 280-32-3		28.0~28.9	32	43	84.0	60	186	TPD280B~289B
TPDB 290-32-3		29.0~29.9	32	43	87.0	60	191	TPD290B~299B
TPDB 300-32-3		30.0~30.9	32	43	90.0	60	194	TPD300B~309B
TPDB 310-32-3		31.0~31.9	32	43	93.0	60	199	TPD310B~319B
TPDB 320-32-3		32.0~32.9	32	43	96.0	60	201	TPD320B~329B

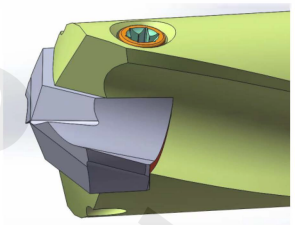
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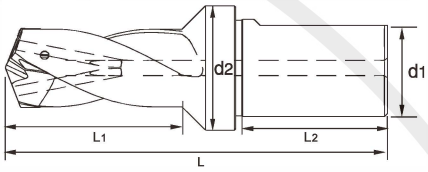
TPDB-5D侧锁式皇冠钻杆

TPDB-5D crown drill







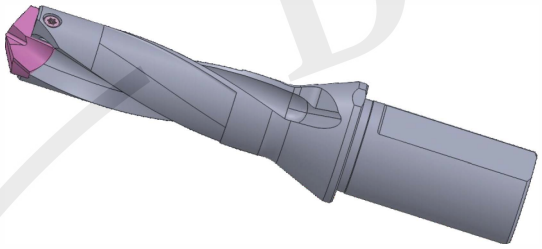


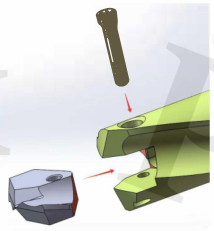
型号 Cat.No	重量 Kg	尺寸（mm）						刀片 Insert
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TPDB 100-16-5		10.0~10.4	16	20	50.0	48	115	TPD100B~104B
TPDB 105-16-5		10.5~10.9	16	20	52.5	48	117	TPD105B~109B
TPDB 110-16-5		11.0~11.4	16	20	55.0	48	120	TPD110B~114B
TPDB 115-16-5		11.5~11.9	16	20	57.5	48	123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

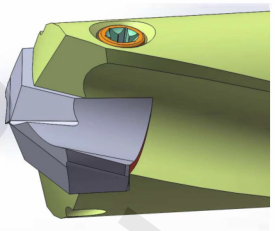
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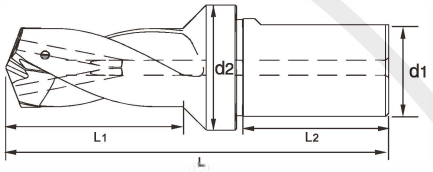
TPDB-8D侧锁式皇冠钻杆

TPDB-8D crown drill









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

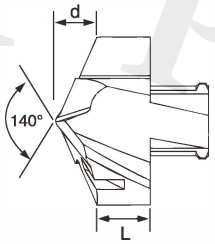
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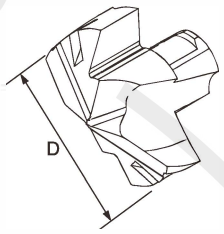
ICD 自锁式皇冠钻刀片

ICD crown drill insert









尺寸（mm）			
Dmin(1)	d	L	SSC
4	0.62	2.48	4
4.1	0.62	2.48	4
4.2	0.62	2.48	4
4.3	0.62	2.48	4
4.4	0.62	2.48	4
4.5	0.66	2.89	4.5
4.6	0.68	2.87	4.5
4.7	0.7	2.85	4.5
4.8	0.71	2.84	4.5
4.9	0.73	2.82	4.5
5	0.73	2.97	5
5.1	0.75	3.02	5
5.2	0.77	3	5
5.3	0.78	2.99	5
5.4	0.8	2.97	5
5.5	0.81	3.04	5.5
5.6	0.83	3.02	5.5
5.7	0.85	3	5.5
5.8	0.86	2.99	5.5
5.9	0.88	2.97	5.5
6	0.96	3.04	6
6.1	0.98	3.02	6
6.2	1	3	6
6.3	1.01	2.99	6
6.35	1.02	2.98	6
6.4	1.03	2.97	6
6.5	1.18	3.12	6.5
6.6	1.2	3.1	6.5
6.7	1.22	3.08	6.5
6.8	1.23	3.07	6.5
6.9	1.25	3.05	6.5
7	1.01	3.59	7
7.1	1.03	3.57	7
7.2	1.05	3.55	7
7.3	1.06	3.54	7
7.4	1.08	3.52	7
7.5	1.1	3.5	7
7.6	1.12	3.48	7
7.7	1.14	3.46	7
7.8	1.16	3.44	7
7.9	1.17	3.43	7
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

尺寸（mm）			
Dmin(1)	d	L	SSC
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
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

尺寸（mm）			
Dmin(1)	d	L	SSC
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
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

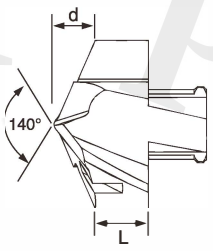
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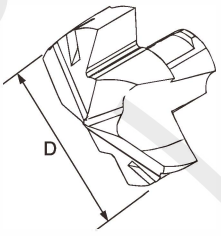
ICD 自锁式皇冠钻刀片

ICD crown drill insert









尺寸（mm）			
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

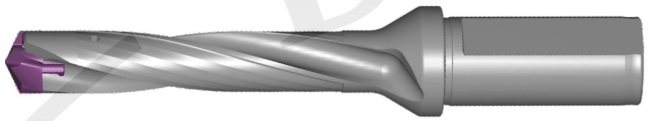
尺寸（mm）			
Dmin(1)	d	L	SSC
24	3.62	10.28	24
24.1	3.64	10.26	24
24.2	3.66	10.24	24
24.3	3.67	10.23	24
24.4	3.69	10.21	24
24.5	3.71	10.19	24
24.6	3.73	10.17	24
24.7	3.75	10.15	24
24.8	3.77	10.13	24
24.9	3.78	10.12	24
25	3.8	10.7	25
25.1	3.82	10.68	25
25.2	3.84	10.66	25
25.3	3.85	10.65	25
25.4	3.87	10.63	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

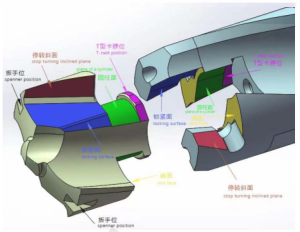
尺寸（mm）			
Dmin(1)	d	L	SSC
29	4.43	12.37	29
29.1	4.45	12.35	29
29.2	4.47	12.33	29
29.3	4.48	12.32	29
29.4	4.5	12.3	29
29.5	4.52	12.28	29
29.6	4.54	12.26	29
29.7	4.56	12.24	29
29.8	4.58	12.22	29
29.9	4.59	12.21	29
30	4.59	12.79	30
30.1	4.61	12.77	30
30.2	4.63	12.75	30
30.3	4.64	12.74	30
30.4	4.66	12.72	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

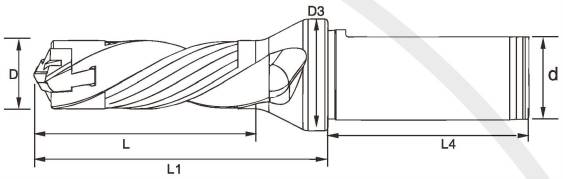
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ICD A-3D 自锁式皇冠钻杆

ICD A-3D crown drill





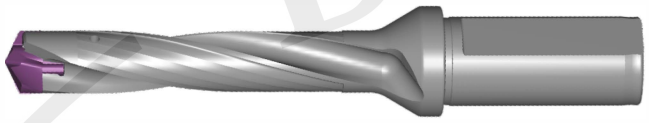


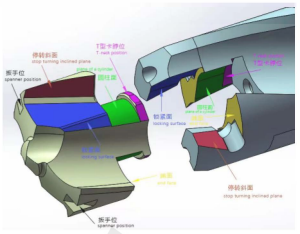
型号 Cat.No	重量 Kg	尺寸（mm）								
		最小直径 Dmin(1)	最大直径 Dmax	L	d	D3	L1	L4	Po.Size	刀片 Insert
ICD 060-018-12A-3D		6.00	6.40	18.0	12.00	16.00	32.0	45.0	6.00	ICD 060~064
ICD 065-020-12A-3D		6.50	6.90	20.0	12.00	16.00	33.8	45.0	6.50	ICD 065~069
ICD 070-021-12A-3D		7.00	7.40	21.0	12.00	16.00	35.6	45.0	7.00	ICD 070~074
ICD 075-023-12A-3D		7.50	7.90	23.0	12.00	16.00	37.1	45.0	7.50	ICD 075~079
ICD 080-024-12A-3D		8.00	8.40	24.0	12.00	16.00	39.4	45.0	8.00	ICD 080~084
ICD 085-025-12A-3D		8.50	8.90	25.0	12.00	16.00	40.9	45.0	8.50	ICD 085~089
ICD 090-027-12A-3D		9.00	9.40	27.0	12.00	16.00	42.8	45.0	9.00	ICD 090~094
ICD 095-029-12A-3D		9.50	9.90	29.0	12.00	16.00	44.3	45.0	9.50	ICD 095~099
ICD 100-030-16A-3D		10.00	10.40	30.0	16.00	20.00	46.2	48.0	10.00	ICD 100~104
ICD 105-032-16A-3D		10.50	10.90	32.0	16.00	20.00	47.7	48.0	10.50	ICD 105~109
ICD 110-033-16A-3D		11.00	11.40	33.0	16.00	20.00	49.6	48.0	11.00	ICD 110~114
ICD 115-035-16A-3D		11.50	11.90	35.0	16.00	20.00	51.1	48.0	11.50	ICD 115~119
ICD 120-036-16A-3D		12.00	12.40	38.0	16.00	20.00	53.0	48.0	12.00	ICD 120~124
ICD 125-037-16A-3D		12.50	12.90	37.0	16.00	20.00	54.5	48.0	12.50	ICD 125~129
ICD 130-039-16A-3D		13.00	13.40	39.0	16.00	20.00	56.6	48.0	13.00	ICD 130~134
ICD 135-041-16A-3D		13.50	13.90	41.0	16.00	20.00	58.1	48.0	13.50	ICD 135~139
ICD 140-042-16A-3D		14.00	14.40	42.0	16.00	20.00	62.1	48.0	14.00	ICD 140~144
ICD 145-044-16A-3D		14.50	14.90	44.0	16.00	20.00	63.6	48.0	14.50	ICD 145~149
ICD 150-045-20A-3D		15.00	15.90	45.0	20.00	25.00	68.7	50.0	15.00	ICD 150~159
ICD 160-048-20A-3D		16.00	16.90	48.0	20.00	25.00	73.3	50.0	16.00	ICD 160~169
ICD 170-051-20A-3D		17.00	17.90	51.0	20.00	25.00	77.9	50.0	17.00	ICD 170~179
ICD 180-054-25A-3D		18.00	18.90	54.0	25.00	32.00	82.5	56.0	18.00	ICD 180~189
ICD 190-057-25A-3P		19.00	19.90	57.0	25.00	32.00	87.0	56.0	19.00	ICD 190~199
ICD 200-060-25A-3D		20.00	20.90	60.0	25.00	32.00	91.6	56.0	20.00	ICD 200~209
ICD 210-063-25A-3D		21.00	21.90	63.0	25.00	32.00	96.2	56.0	21.00	ICD 210~219
ICD 220-066-25A-3D		22.00	22.90	66.0	25.00	32.00	100.8	56.0	22.00	ICD 220~229
ICD 230-069-32A-3D		23.00	23.90	69.0	32.00	42.00	105.4	60.0	23.00	ICD 230~239
ICD 240-072-32A-3D		24.00	24.90	72.0	32.00	42.00	110.0	60.0	24.00	ICD 240~249
ICD 250-075-32A-3D		25.00	25.90	75.0	32.00	42.00	114.5	60.0	25.00	ICD 250~259
ICD 260-078-32A-3D		26.00	26.90	78.0	32.00	42.00	119.0	60.0	26.00	ICD 260~269
ICD 270-081-32A-3D		27.00	27.90	81.0	32.00	42.00	123.7	60.0	27.00	ICD 270~279
ICD 280-084-32A-3D		28.00	28.90	84.0	32.00	42.00	128.2	60.0	28.00	ICD 280~289
ICD 290-087-32A-3D		29.00	29.90	87.0	32.00	42.00	132.8	60.0	29.00	ICD 290~299
ICD 300-090-32A-3D		30.00	30.90	90.0	32.00	42.00	137.4	60.0	30.00	ICD 300~309
ICD 310-093-32A-3D		31.00	31.90	93.0	32.00	42.00	142.0	60.0	31.00	ICD 310~319
ICD 320-096-32A-3D		32.00	32.90	96.0	32.00	42.00	146.5	60.0	32.00	ICD 320~329

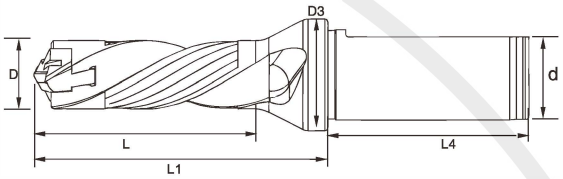
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ICD A-5D 自锁式皇冠钻杆

ICD A-5D crown drill



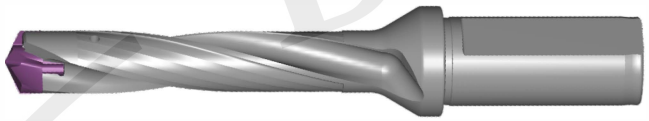


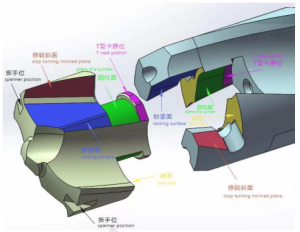


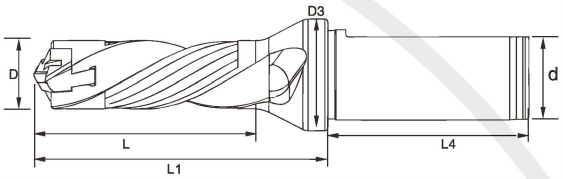
型号 Cat.No	重量 Kg	尺寸（mm）								
		最小直径 Dmin(1)	最大直径 Dmax	L	d	D3	L1	L4	Po.Size	刀片 Insert
ICD 060-030-12A-5D		6.00	6.40	30.0	12.00	16.00	44.0	45.0	6.00	ICD 060~064
ICD 065-033-12A-5D		6.50	6.90	33.0	12.00	16.00	46.8	45.0	6.50	ICD 065~069
ICD 070-035-12A-5D		7.00	7.40	35.0	12.00	16.00	49.6	45.0	7.00	ICD 070~074
ICD 075-038-12A-5D		7.50	7.90	38.0	12.00	16.00	52.1	45.0	7.50	ICD 075~079
ICD 080-040-12A-5D		8.00	8.40	40.0	12.00	16.00	55.4	45.0	8.00	ICD 080~084
ICD 085-042-12A-5D		8.50	8.90	42.5	12.00	16.00	57.9	45.0	8.50	ICD 085~089
ICD 090-045-12A-5D		9.00	9.40	45.0	12.00	16.00	60.8	45.0	9.00	ICD 090~094
ICD 095-048-12A-5D		9.50	9.90	48.0	12.00	16.00	63.3	45.0	9.50	ICD 095~099
ICD 100-050-16A-5D		10.00	10.40	50.0	16.00	20.00	66.2	48.0	10.00	ICD 100~104
ICD 105-053-16A-5D		10.50	10.90	53.0	16.00	20.00	68.7	48.0	10.50	ICD 105~109
ICD 110-055-16A-5D		11.00	11.40	55.0	16.00	20.00	71.6	48.0	11.00	ICD 110~114
ICD 115-058-16A-5D		11.50	11.90	58.0	16.00	20.00	74.1	48.0	11.50	ICD 115~119
ICD 120-060-16A-5D		12.00	12.40	60.0	16.00	20.00	77.0	48.0	12.00	ICD 120~124
ICD 125-062-16A-5D		12.50	12.90	62.0	16.00	20.00	79.5	48.0	12.50	ICD 125~129
ICD 130-065-16A-5D		13.00	13.40	65.0	16.00	20.00	82.6	48.0	13.00	ICD 130~134
ICD 135-068-16A-5D		13.50	13.90	68.0	16.00	20.00	85.1	48.0	13.50	ICD 135~139
ICD 140-070-16A-5D		14.00	14.40	70.0	16.00	20.00	90.2	48.0	14.00	ICD 140~144
ICD 145-073-16A-5D		14.50	14.90	73.0	16.00	20.00	92.7	48.0	14.50	ICD 145~149
ICD 150-075-20A-5D		15.00	15.90	75.0	20.00	25.00	98.7	50.0	15.00	ICD 150~159
ICD 160-080-20A-5D		16.00	16.90	80.0	20.00	25.00	105.3	50.0	16.00	ICD 160~169
ICD 170-085-20A-5D		17.00	17.90	85.0	20.00	25.00	111.9	50.0	17.00	ICD 170~179
ICD 180-090-25A-5D		18.00	18.90	90.0	25.00	32.00	118.5	56.0	18.00	ICD 180~189
ICD 190-095-25A-5D		19.00	19.90	95.0	25.00	32.00	125.0	56.0	19.00	ICD 190~199
ICD 200-100-25A-5D		20.00	20.90	100.0	25.00	32.00	131.6	56.0	20.00	ICD 200~209
ICD 210-105-25A-5D		21.00	21.90	105.0	25.00	32.00	138.2	56.0	21.00	ICD 210~219
ICD 220-110-25A-5D		22.00	22.90	110.0	25.00	32.00	144.8	56.0	22.00	ICD 220~229
ICD 230-115-32A-5D		23.00	23.90	115.0	32.00	42.00	151.4	60.0	23.00	ICD 230~239
ICD 240-120-32A-5D		24.00	24.90	120.0	32.00	42.00	158.0	60.0	24.00	ICD 240~249
ICD 250-125-32A-5D		25.00	25.90	125.0	32.00	42.00	164.5	60.0	25.00	ICD 250~259
ICD 260-130-32A-5D		26.00	26.90	130.0	32.00	42.00	171.0	60.0	26.00	ICD 260~269
ICD 270-135-32A-5D		27.00	27.90	135.0	32.00	42.00	177.7	60.0	27.00	ICD 270~279
ICD 280-140-32A-5D		28.00	28.90	140.0	32.00	42.00	184.2	60.0	28.00	ICD 280~289
ICD 290-145-32A-5D		29.00	29.90	145.0	32.00	42.00	190.8	60.0	29.00	ICD 290~299
ICD 300-150-32A-5D		30.00	30.90	150.0	32.00	42.00	197.4	60.0	30.00	ICD 300~309
ICD 310-155-32A-5D		31.00	31.90	155.0	32.00	42.00	204.0	60.0	31.00	ICD 310~319
ICD 320-160-32A-5D		32.00	32.90	160.0	32.00	42.00	210.5	60.0	32.00	ICD 320~329

ICD A-8D 自锁式皇冠钻杆

ICD A-8D crown drill





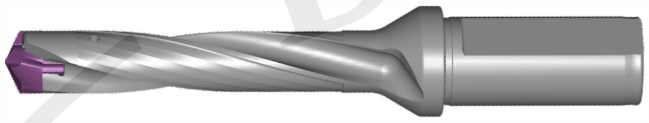


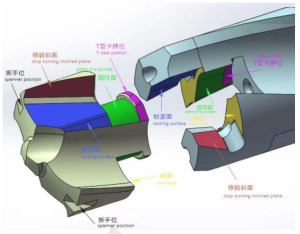
型号 Cat.No	重量 Kg	尺寸（mm）								
		最小直径 Dmin(1)	最大直径 Dmax	L	d	D3	L1	L4	Po.Size	刀片 Insert
ICD 060-048-12A-8D		6.00	6.40	48.0	12.00	16.00	62.0	45.0	6.00	ICD 060~064
ICD 065-052-12A-8D		6.50	6.90	52.0	12.00	16.00	66.3	45.0	6.50	ICD 065~069
ICD 070-056-12A-8D		7.00	7.40	56.0	12.00	16.00	70.6	45.0	7.00	ICD 070~074
ICD 075-060-12A-8D		7.50	7.90	60.0	12.00	16.00	74.6	45.0	7.50	ICD 075~079
ICD 080-064-12A-8D		8.00	8.40	64.0	12.00	16.00	79.4	45.0	8.00	ICD 080~084
ICD 085-068-12A-8D		8.50	8.90	68.0	12.00	16.00	83.4	45.0	8.50	ICD 085~089
ICD 090-072-12A-8D		9.00	9.40	72.0	12.00	16.00	87.8	45.0	9.00	ICD 090~094
ICD 095-076-12A-8D		9.50	9.90	76.0	12.00	16.00	91.8	45.0	9.50	ICD 095~099
ICD 100-080-16A-8D		10.00	10.40	80.0	16.00	20.00	96.2	48.0	10.00	ICD 100~104
ICD 105-084-16A-8D		10.50	10.90	84.0	16.00	20.00	100.2	48.0	10.50	ICD 105~109
ICD 110-088-16A-8D		11.00	11.40	88.0	16.00	20.00	104.6	48.0	11.00	ICD 110~114
ICD 115-092-16A-8D		11.50	11.90	92.0	16.00	20.00	108.6	48.0	11.50	ICD 115~119
ICD 120-096-16A-8D		12.00	12.40	96.0	16.00	20.00	113.0	48.0	12.00	ICD 120~124
ICD 125-100-16A-8D		12.50	12.90	100.0	16.00	20.00	117.0	48.0	12.50	ICD 125~129
ICD 130-104-16A-8D		13.00	13.40	104.0	16.00	20.00	121.6	48.0	13.00	ICD 130~134
ICD 135-108-16A-8D		13.50	13.90	108.0	16.00	20.00	125.6	48.0	13.50	ICD 135~139
ICD 140-112-16A-8D		14.00	14.40	112.0	16.00	20.00	132.1	48.0	14.00	ICD 140~144
ICD 145-116-16A-8D		14.50	14.90	116.0	16.00	20.00	136.2	48.0	14.50	ICD 145~149
ICD 150-120-20A-8D		15.00	15.90	120.0	20.00	25.00	143.7	50.0	15.00	ICD 150~159
ICD 160-128-20A-8D		16.00	16.90	128.0	20.00	25.00	153.3	50.0	16.00	ICD 160~169
ICD 170-136-20A-8D		17.00	17.90	136.0	20.00	25.00	162.9	50.0	17.00	ICD 170~179
ICD 180-144-25A-8D		18.00	18.90	144.0	25.00	32.00	172.5	56.0	18.00	ICD 180~189
ICD 190-152-25A-8D		19.00	19.90	152.0	25.00	32.00	182.0	56.0	19.00	ICD 190~199
ICD 200-160-25A-8D		20.00	20.90	160.0	25.00	32.00	191.6	56.0	20.00	ICD 200~209
ICD 210-168-25A-8D		21.00	21.90	168.0	25.00	32.00	201.2	56.0	21.00	ICD 210~219
ICD 220-176-25A-8D		22.00	22.90	176.0	25.00	32.00	210.8	56.0	22.00	ICD 220~229
ICD 230-184-32A-8D		23.00	23.90	184.0	32.00	42.00	220.4	60.0	23.00	ICD 230~239
ICD 240-192-32A-8D		24.00	24.90	192.0	32.00	42.00	230.0	60.0	24.00	ICD 240~249
ICD 250-200-32A-8D		25.00	25.90	200.0	32.00	42.00	239.5	60.0	25.00	ICD 250~259
ICD 260-208-32A-8D		26.00	26.90	208.0	32.00	42.00	249.3	60.0	26.00	ICD 260~269
ICD 270-216-32A-8D		27.00	27.90	216.0	32.00	42.00	258.6	60.0	27.00	ICD 270~279
ICD 280-224-32A-8D		28.00	28.90	224.0	32.00	42.00	268.2	60.0	28.00	ICD 280~289
ICD 290-232-32A-8D		29.00	29.90	232.0	32.00	42.00	277.8	60.0	29.00	ICD 290~299
ICD 300-240-32A-8D		30.00	30.90	240.0	32.00	42.00	287.4	60.0	30.00	ICD 300~309
ICD 310-248-32A-8D		31.00	31.90	248.0	32.00	42.00	297.0	60.0	31.00	ICD 310~319
ICD 320-256-32A-8D		32.00	32.90	256.0	32.00	42.00	306.5	60.0	32.00	ICD 320~329

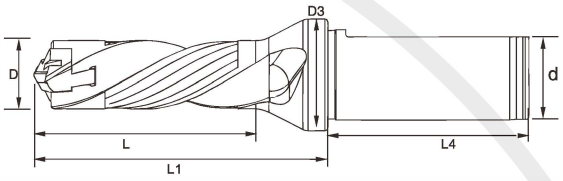
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ICD A-12D 自锁式皇冠钻杆

ICD R-12D crown drill





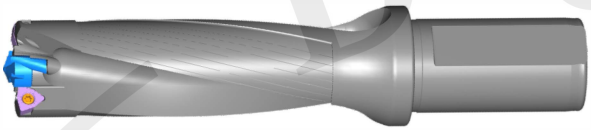


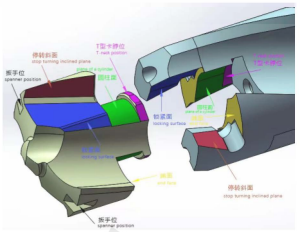
型号 Cat.No	重量 Kg	尺寸（mm）								
		最小直径 Dmin(1)	最大直径 Dmax	L	d	D3	L1	L4	Po.Size	刀片 Insert
ICD 080-096-12R-12D		8.00	8.40	96.0	12.00	16.00	111.4	45.0	8.0	ICD 080~084
ICD 085-102-12R-12D		8.50	8.90	102.0	12.00	16.00	117.4	45.0	8.0	ICD 085~089
ICD 090-108-12R-12D		9.00	9.40	108.0	12.00	16.00	123.8	45.0	9.0	ICD 090~094
ICD 095-114-12R-12D		9.50	9.90	114.0	12.00	20.00	129.8	45.0	9.0	ICD 095~099
ICD 100-120-16R-12D		10.00	1040	120.0	16.00	20.00	136.2	48.0	10.0	ICD 100~104
ICD 105-126-16R-12D		10.50	10.90	126.0	16.00	20.00	142.2	48.0	10.0	ICD 105~109
ICD 110-132-16R-12D		11.00	11.40	132.0	16.00	20.00	146.6	48.0	11.0	ICD 110~114
ICD 115-138-16R-12D		11.50	11.90	138.0	16.00	20.00	154.6	48.0	11.0	ICD 115~119
ICD 120-144-16R-12D		12.00	12.40	144.0	16.00	20.00	161.0	45.0	12.0	ICD 120~124
ICD 125-150-16R-12D		12.50	12.90	150.0	16.00	20.00	167.0	48.0	12.0	ICD 125~129
ICD 130-156-16R-12D		13.00	13.40	156.0	16.00	20.00	173.6	48.0	13.0	ICD 130~134
ICD 135-162-16R-12D		13.50	13.90	162.0	16.00	20.00	179.0	48.0	13.0	ICD 135~139
ICD 140-168-16R-12D		14.00	14.40	168.0	16.00	20.00	188.0	48.0	14.0	ICD 140~144
ICD 145-174-16R-12D		14.50	14.90	174.0	16.00	20.00	194.0	48.0	14.0	ICD 145~149
ICD 150-180-20R-12D		15.00	15.90	180.0	20.00	25.00	210.0	50.0	15.0	ICD 150~159
ICD 160-192-20R-12D		16.00	16.90	192.0	20.00	25.00	217.3	50.0	16.0	ICD 160~169
ICD 170-204-20R-12D		17.00	17.90	204.0	20.00	25.00	230.9	50.0	17.0	ICD 170~179
ICD 180-216-25R-12D		18.00	18.90	216.0	25.00	32.00	244.5	56.0	18.0	ICD 180~189
ICD 190-228-25R-12D		19.00	19.90	228.0	25.00	32.00	258.0	56.0	19.0	ICD 190~199
ICD 200-240-25R-12D		20.00	20.90	240.0	25.00	32.00	271.6	56.0	20.0	ICD 200~209
ICD 210-252-25R-12D		21.00	21.90	252.0	25.00	32.00	285.2	56.0	21.0	ICD 210~219
ICD 220-264-25R-12D		22.00	22.90	264.0	25.00	32.00	298.8	56.0	22.0	ICD 220~229
ICD 230-276-32R-12D		23.00	23.90	276.0	32.00	42.00	302.4	60.0	23.0	ICD 230~239
ICD 240-288-32R-12D		24.00	24.90	288.0	32.00	42.00	326.0	60.0	24.0	ICD 240~249
ICD 250-300-32R-12D		25.00	25.90	300.0	32.00	42.00	339.5	60.0	25.0	ICD 250~259
ICD 260-312-32R-12D		26.00	26.90	312.0	32.00	42.00	353.1	60.0	26.0	ICD 260~269
ICD 270-324-32R-12D		27.00	27.90	324.0	32.00	42.00	366.7	60.0	27.0	ICD 270~279
ICD 280-336-32R-12D		28.00	28.90	336.0	32.00	42.00	380.2	60.0	28.0	ICD 280~289
ICD 290-348-32R-12D		29.00	29.90	348.0	32.00	42.00	393.8	60.0	29.0	ICD 290~299
ICD 300-360-32R-12D		30.00	30.90	360.0	32.00	42.00	407.4	60.0	30.0	ICD 300~309
ICD 310-372-32R-12D		31.00	31.90	372.0	32.00	42.00	421.0	60.0	31.0	ICD 310~319
ICD 320-384-32R-12D		32.00	32.90	384.0	32.00	42.00	434.5	60.0	32.0	ICD 320~329

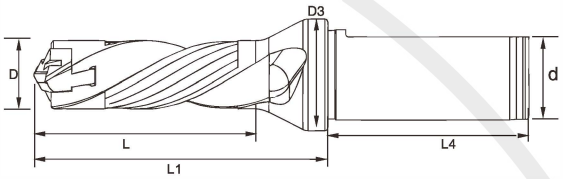
Дмитрий
WhatsApp +7-963-508-47-96

ICDC-5D 自锁式皇冠钻刀杆

ICDC-5D crown drill







型号 Cat.No	重量 Kg	尺寸（mm）								
		直径 D	中心刃刀尖D2	L	L1	L4	L5	d	D3	刀片 Insert
260-130 A32-150-06-5D		26.00	15.00	130.0	164.0	60.0	2.95	32.00	42.00	
265-132 A32-155-06-5D		26.50	15.50	132.0	164.0	60.0	3.05	32.00	42.00	SOGT060304
270-135 A32-160-06-5D		27.00	16.00	135.0	167.0	60.0	3.10	32.00	42.00	
280-140 A32-170-06-5D		28.00	17.00	140.0	171.0	60.0	3.25	32.00	42.00	
290-145 A32-160-07-5D		29.00	16.00	145.0	177.0	60.0	3.10	32.00	42.00	
295-148 A32-165-07-5D		29.50	16.50	148.0	180.0	60.0	3.20	32.00	42.00	
300-150 A32-165-D7-5D		30.00	16.50	150.0	183.0	60.0	3.20	32.00	42.00	SOGT070304
310-155 A32-175-07-5D		31.00	17.50	155.0	190.0	60.0	3.35	32.00	42.00	
320-160 A32-185-07-5D		32.00	18.50	160.0	195.0	60.0	3.50	32.00	42.00	
330-165 A32-175-09-5D		33.00	17.50	165.0	200.0	60.0	3.65	32.00	42.00	
340-170 A32-180-09-5D		34.00	18.00	170.0	205.0	60.0	3.70	32.00	42.00	SOGT09T304
350-175 A32-189-09-5D		35.00	18.90	175.0	210.0	60.0	3.85	32.00	42.00	
360-180 A32-190-10-5D		36.00	19.00	180.0	215.0	60.0	3.85	32.00	42.00	
370-185 A32-200-10-5D		37.00	20.00	185.0	220.0	60.0	4.00	32.00	42.00	
375-188 A32-205-10-5D		37.50	20.50	188.0	223.0	60.0	4.10	32.00	42.00	
380-190 A40-209-10-5D		38.00	20.90	190.0	227.0	68.0	4.15	40.00	50.00	
390-195 A40-215-10-5D		39.00	21.50	195.0	233.0	68.0	4.25	40.00	50.00	SOGT100408
400-200 A40-225-10-5D		40.00	22.50	200.0	240.0	68.0	4.40	40.00	50.00	
405-203 A40-235-10-5D		40.50	23.50	203.0	243.0	68.0	4.55	40.00	50.00	
410-205 A40-239-10-5D		41.00	23.90	205.0	245.0	68.0	4.65	40.00	50.00	
420-210 A40-249-10-5D		42.00	24.90	210.0	250.0	68.0	4.75	40.00	50.00	
430-215 A40-259-10-5D		43.00	25.90	215.0	258.0	68.0	5.00	40.00	50.00	
440-220 A40-210-12-5D		44.00	21.00	220.0	259.0	68.0	5.15	40.00	50.00	
450-225 A40-219-12-5D		45.00	21.90	225.0	264.0	68.0	5.35	40.00	50.00	
460-230 A40-229-12-5D		46.00	22.90	230.0	269.0	68.0	5.50	40.00	50.00	
470-235 A40-239-12-5D		47.00	23.90	235.0	275.0	68.0	5.65	40.00	50.00	SOGT120408
480-240 A40-249-12-5D		48.00	24.90	240.0	279.0	68.0	7.75	40.00	50.00	
490-245 A40-259-12-5D		49.00	25.90	245.0	286.0	68.0	6.00	40.00	50.00	
500-250 A40-269-12-5D		50.00	26.90	250.0	291.0	68.0	6.10	40.00	50.00	

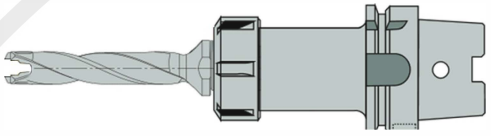
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ICD Self-Locking Crown Drill Installation Guide

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

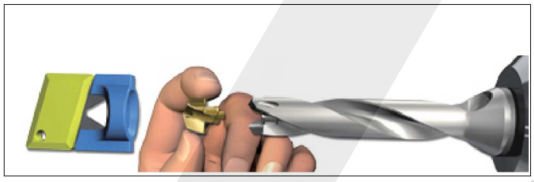


❷ Spray the dust off with an air gun
用气枪喷净灰尘

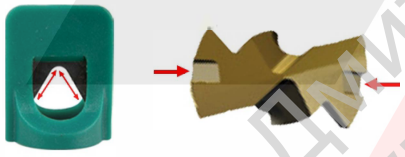


Place the blade into the drill pipe and rotate clockwise (wear gloves to prevent scratches).

❸ 将刀片置入钻杆，顺时针旋转（戴上手套防止划伤）



❹ Snap the spanner into the blade slot
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



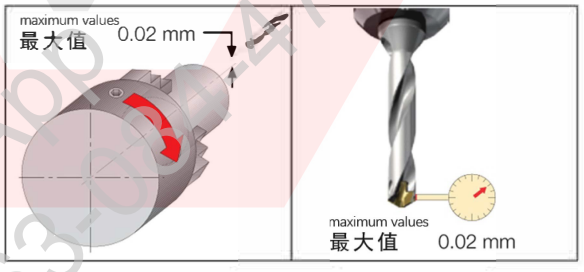
在钻孔深度2×D的情况下使用外冷方式

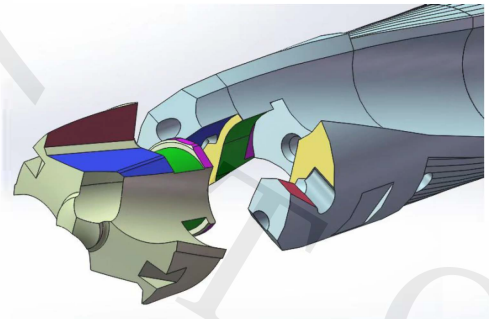
Use of external cooling at a drilling depth of 2 x D

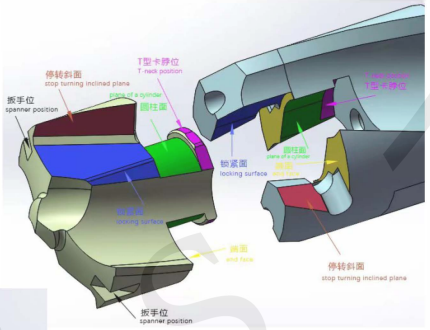


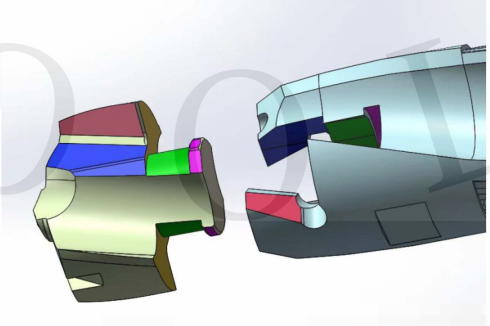
不建议干式加工方法。

Dry processing methods are not recommended.







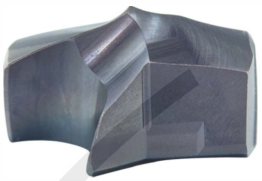


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HLD 后拉式皇冠钻刀片

HLD crown drill

PT



S-高温合金
M-不锈钢
P-合金钢

DR

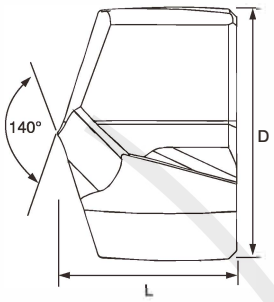


H-高硬材料
K-铸铁
M-不锈钢

SZR



P-碳钢及软材料



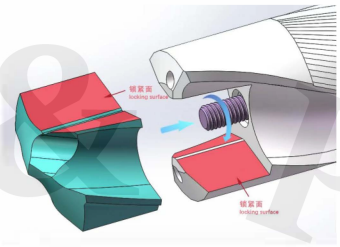
型号 Cat.No HLD	D 直径 公制 mm	英制 inch	十进制 inch	钻杆接口 interfaces	双头螺丝 Screw	扳手 Wrench
HLD1250	12.5		4921″	C	m3 > m2.5	1.5mm
HLD1270	12.7	1/2"	5000″	C	m3 > m2.5	1.5mm
HLD1300	13.00		5118″	C	m3 > m2.5	1.5mm
HLD1310	13.10	33/64″	5156″	C	m3 > m2.5	1.5mm
HLD1349	13.49	17/32″	5313″	C	m3 > m2.5	1.5mm
HLD1350	13.50		5315″	C	m3 > m2.5	1.5mm
HLD1389	13.89	35/64″	5469″	B	m3 > m2.5	1.5mm
HLD1400	14.00		5512″	B	m3 > m2.5	1.5mm
HLD1429	14.29	9/16″	5625″	B	m3 > m2.5	1.5mm
HLD1450	14.50		5709″	B	m3 > m2.5	1.5mm
HLD1468	14.68	37/64″	5781″	A	m3 > m2.5	1.5mm
HLD1500	15.00		5906″	A	m3 > m2.5	1.5mm
HLD1508	15.08	19/32″	5938″	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
HLD1588	15.88	5/8″	6250″	1	m3.5 > m2.5	1.5mm
HLD1600	16.00		6299″	1	m3.5 > m2.5	1.5mm
HLD1627	16.27	41/64″	6406″	1	m3.5 > m2.5	1.5mm
HLD1650	16.50		6496″	1	m3.5 > m2.5	1.5mm
HLD1667	16.67	21/32″	6563″	1	m3.5 > m2.5	1.5mm
HLD1700	17.00		6693″	1	m3.5 > m2.5	1.5mm
HLD1707	17.07	43/64″	6719″	1	m3.5 > m2.5	1.5mm
HLD1746	17.46	11/16″	6875″	1	m3.5 > m2.5	1.5mm
HLD1750	17.50		6890″	1	m3.5 > m2.5	1.5mm
HLD1786	17.86	45/64″	7031″	1	m3.5 > m2.5	1.5mm
HLD1800	18.00		7087″	1	m3.5 > m2.5	1.5mm
HLD1826	18.26	23/32″	7188″	2	m4 > m3	2mm
HLD1850	18.50		7283″	2	m4 > m3	2mm
HLD1865	18.65	47/64″	7344″	2	m4 > m3	2mm
HLD1900	19.00		7480″	2	m4 > m3	2mm
HLD1905	19.05	3/4″	7500″	2	m4 > m3	2mm
HLD1945	19.45	49/64″	7656″	2	m4 > m3	2mm
HLD1950	19.50		7677″	2	m4 > m3	2mm
HLD1984	19.84	25/32″	7813″	2	m4 > m3	2mm
HLD2000	20.00		7874″	3	m4 > m3	2mm
HLD2024	20.24	51/64 ″	7969″	3	m4 > m3	2mm
HLD2050	20.50		8071″	3	m4 > m3	2mm
HLD2064	20.64	13/16″	8125″	3	m4 > m3	2mm
HLD2100	21.00		8268″	3	m4 > m3	2mm
HLD2143	21.43	27/32 ″	8438″	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

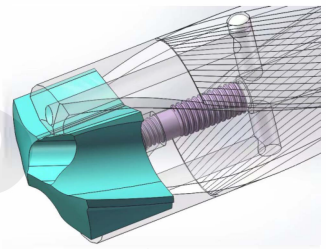
型号 Cat.No HLD	D 直径 公制 mm	英制 inch	十进制 inch	钻杆接口 interfaces	双头螺丝 Screw	扳手 Wrench
HLD2302	23.02	29/32	9063″	4	m4 > m3	2mm
HLD2342	23.42	59/64	9219″	4	m4 > m3	2mm
HLD2381	23.81	15/16	9375″	4	m4 > m3	2mm
HLD2400	24.00		9449″	4	m4 > m3	2mm
HLD2410	24.10		9488″	5	m5 > m4	2.5mm
HLD2461	24.61	31/32	9688″	5	m5 > 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
HLD2619	26.19	1-1/32	1.0313″	6	m5 > m4	2.5mm
HLD2659	26.59	1-3/64	1.0469″	6	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
HLD2778	27.78	1-3/32	1.0938″	6	m5 > m4	2.5mm
HLD2800	28.00		1.1024″	7	m6 > m5	3mm
HLD2818	28.18	1-7/64	1.1094″	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
HLD2937	29.37	1-5/32	1.1563″	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
HLD3096	30.96	1-7/32	1.2188″	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
HLD3334	33.34	1-5/16"	1.3125″	9	m6 > m6	3mm
HLD3400	34.00		1.3386″	9	m6 > m6	3mm
HLD3413	34.13	1-11/32"	1.3438″	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
HLD3572	35.72		1.4063″	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
HLD3731	37.31	1-15/32"	1.4688″	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
HLD3889	38.89	1-17/32"	1.5313″	10	m6 > m6	3mm
HLD3900	39.00		1.5354″	10	m6 > m6	3mm
HLD3969	39.69	1-9/16"	1.5625″	10	m6 > m6	3mm
HLD4000	40.00		1.5748″	10	m6 > m6	3mm

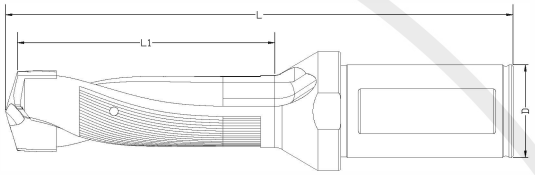
HLD 后拉式皇冠钻

HLD crown drill









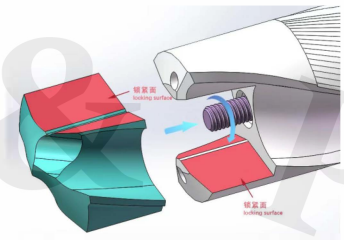
型号 Cat.No	尺寸（mm） 规格 Specifications	柄径 d	刀片 Insert	中心螺丝 Screw	扳手 Wrench	重量 Kg
	HLD125-135-16A-1.5D-C	16	12.5~13.5			
	HLD136-145-16A-1.5D-B	16	13.6~14.5			
	HLD146-156-16A-1.5D-A	16	14.6~15.6			
	HLD159-180-20A-1.5D-1	20	15.9~18.0			
	HLD183-198-25A-1.5D-2	25	18.3~19.8			
	HLD200-220-25A-1.5D-3	25	20.0~22.0			
HL皇冠钻1.5D	HLD222-240-25A-1.5D-4	25	22.2~24.0			
	HLD245-260-32A-1.5D-5	32	24.5~26.0			
	HLD262-280-32A-1.5D-6	32	26.2~28.0			
	HLD281-300-32A-1.5D-7	32	28.1~30.0			
	HLD302-320-32A-1.5D-8	32	30.2~32.0			
	HLD325-360-40A-1.5D-9	40	32.5~36.0			
	HLD370-400-40A-1.5D-10	40	37.0~40.0			
	HLD125-135-16A-3D-C	16	12.5~13.5			
	HLD136-145-16A-3D-B	16	13.6~14.5			
	HLD146-156-16A-3D-A	16	14.6~15.6			
	HLD159-180-20A-3D-1	20	15.9~18.0			
	HLD183-198-25A-3D-2	25	18.3~19.8			
	HLD200-220-25A-3D-3	25	20.0~22.0			
HL皇冠钻3D	HLD222-240-25A-3D-4	25	22.2~24.0			
	HLD245-260-32A-3D-5	32	24.5~26.0			
	HLD262-280-32A-3D-6	32	26.2~28.0			
	HLD281-300-32A-3D-7	32	28.1~30.0			
	HLD302-320-32A-3D-8	32	30.2~32.0			
	HLD325-360-40A-3D-9	40	32.5~36.0			
	HLD370-400-40A-3D-10	40	37.0~40.0			
	HLD125-135-16A-5D-C	16	12.5~13.5			
	HLD136-145-16A-5D-B	16	13.6~14.5			
	HLD146-156-16A-5D-A	16	14.6~15.6			
	HLD159-180-20A-5D-1	20	15.9~18.0			
	HLD183-198-25A-5D-2	25	18.3~19.8			
	HLD200-220-25A-5D-3	25	20.0~22.0			
HL皇冠钻5D	HLD222-240-25A-5D-4	25	22.2~24.0			
	HLD245-260-32A-5D-5	32	24.5~26.0			
	HLD262-280-32A-5D-6	32	26.2~28.0			
	HLD281-30o-32A-5D-7	32	28.1~30.0			
	HLD302-320-32A-5D-8	32	30.2~32.0			
	HLD325-360-40A-5D-9	40	32.5~36.0			
	HLD370-400-40A-5D-10	40	37.0~40.0			

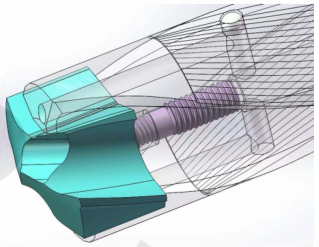
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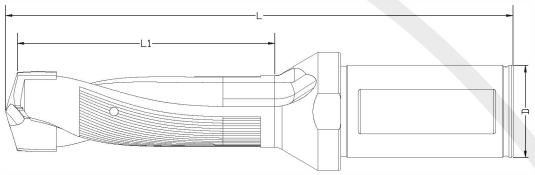
HLD 后拉式皇冠钻

HLD crown drill







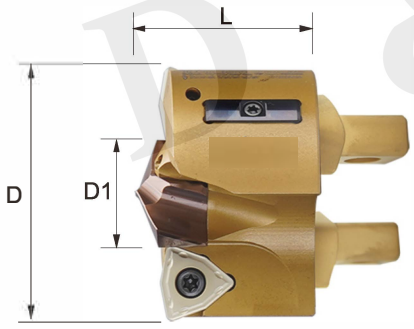


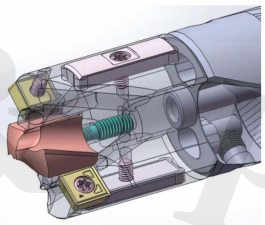
型号 Cat.No	尺寸（mm）					重量 Kg
	规格 Specifications	柄径 d	刀片 Insert	中心螺丝 Screw	扳手 Wrench	
HL皇冠钻7D	HLD125-135-16A-7D-C	16	12.5~13.5			
	HLD136-145-16A-7D-B	16	13.6~14.5			
	HLD146-156-16A-7D-A	16	14.6~15.6			
	HLD159-180-20A-7D-1	20	15.9~18.0			
	HLD183-198-25A-7D-2	25	18.3~19.8			
	HLD200-220-25A-7D-3	25	20.0~22.0			
	HLD222-240-25A-7D-4	25	22.2~24.0			
	HLD245-260-32A-7D-5	32	24.5~26.0			
	HLD262-280-32A-7D-6	32	26.2~28.0			
	HLD281-300-32A-7D-7	32	28.1~30.0			
	HLD302-320-32A-7D-8	32	30.2~32.0			
	HLD325-360-40A-7D-9	40	32.5~36.0			
	HLD370-400-40A-7D-10	40	37.0~40.0			
HL皇冠钻10D	HLD125-135-16A-10D-C	16	12.5~13.5			
	HLD136-145-16A-10D-B	16	13.6~14.5			
	HLD146-156-16A-10D-A	16	14.6~15.6			
	HLD159-180-20A-10D-1	20	15.9~18.0			
	HLD183-198-25A-10D-2	25	18.3~19.8			
	HLD200-220-25A-10D-3	25	20.0~22.0			
	HLD222-240-25A-10D-4	25	22.2~24.0			
	HLD245-260-32A-10D-5	32	24.5~26.0			
	HLD262-280-32A-10D-6	32	26.2~28.0			
	HLD281-300-32A-10D-7	32	28.1~30.0			
	HLD302-320-32A-10D-8	32	30.2~32.0			
	HLD325-360-40A-10D-9	40	32.5~36.0			
	HLD370-400-40A-10D-10	40	37.0~40.0			

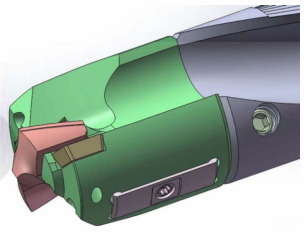
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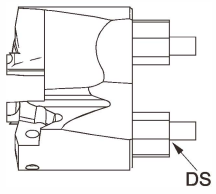
HLC 可换钻头

HLC drill

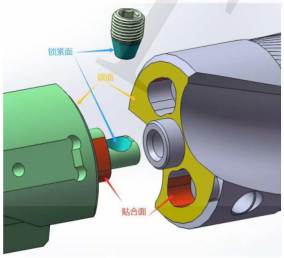


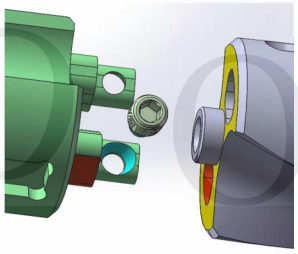


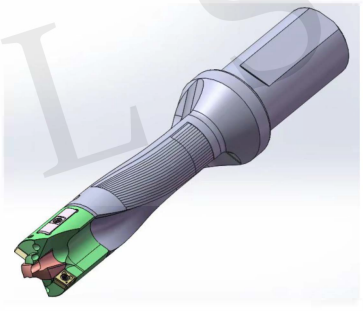




直径 D	中心钻尖 D1	中心刃接口 Interface	双头螺丝 Screw	刀杆接口 Interface	边刃片 Insert	L	L1	边刃片螺丝 Screw	扳手 Wrench	重量 Kg
HLC28.0	14	B	M3>M2.5	DS28		24.9	22	M2.2X5	T7	
HLC28.5	14.5	B	M3>M2.5	DS28		25	22	M2.2X5	T7	
HLC29.0	15	A	M3>M2.5	DS28		25	22	M2.2X5	T7	
HLC29.5	15.5	A	M3>M2.5	DS28	880-040305-H-P	25.2	22	M2.2X5	T7	
HLC30.0	16	1	M3.5>M2.5	DS28		25.2	22	M2.2X5	T7	
HLC30.5	16.5	1	M3.5>M2.5	DS28		25.2	22	M2.2X5	T7	
HLC31.0	17	1	M3.5>M2.5	DS28		25.4	22	M2.2X5	T7	
HLC31.5	17.5	1	M3.5>M2.5	DS28		25.4	22	M2.2X5	T7	
HLC32.0	15.5	A	M3>M2.5	DS32		23	20	M2.5X6	T8	
HLC32.5	16	1	M3.5>M2.5	DS32		23	20	M2.5X6	T8	
HLC33.0	16.5	1	M3.5>M2.5	DS32		23	20	M2.5X6	T8	
HLC33.5	17	1	M3.5>M2.5	DS32	880-050305-H-P	23	20	M2.5X6	T8	
HLC34.0	17.5	1	M3.5>M2.5	DS32		24	20	M2.5X6	T8	
HLC34.5	18	1	M3.5>M2.5	DS32		24	20	M2.5X6	T8	
HLC35.0	18.5	2	M4>M3	DS32		24	20	M2.5X6	T8	
HLC35.5	19	2	M4>M3	DS32		24	20	M2.5X6	T8	
HLC36.0	17	1	M3.5>M2.5	DS36		25	25	M3.5X8	T15	
HLC36.5	17	1	M3.5>M2.5	DS36		25	25	M3.5X8	T15	
HLC37.0	18	1	M3.5>M2.5	DS36		25	25	M3.5X8	T15	
HLC37.5	18	1	M3.5>M2.5	DS36	880-060406-H-P	25	25	M3.5X8	T15	
HLC38.0	19	2	M4>M3	DS36		25	25	M3.5X8	T15	
HLC38.5	19	2	M4>M3	DS36		25	25	M3.5X8	T15	
HLC39.0	20	3	M4>M3	DS36		25	25	M3.5X8	T15	
HLC39.5	20	3	M4>M3	DS36		25	25	M3.5X8	T15	
HLC40.0	16	1	M3>M2.5	DS40		29	25	M5.0X11	T20	
HLC40.5	16	1	M3>M2.5	DS40		29	25	M5.0X11	T20	
HLC41.0	17	1	M3.5>M2.5	DS40		29	25	M5.0X11	T20	
HLC41.5	17	1	M3.5>M2.5	DS40	880-070406-H-P	29	25	M5.0X11	T20	
HLC42.0	18	1	M3.5>M2.5	DS40		29	25	M5.0X11	T20	
HLC42.5	18	1	M3.5>M2.5	DS40		29	25	M5.0X11	T20	
HLC43.0	19	2	M4>M3	DS40		29	25	M5.0X11	T20	
HLC43.5	19	2	M4>M3	DS40		29	25	M5.0X11	T20	
HLC44.0	20	3	M4>M3	DS40		29	25	M5.0X11	T20	
HLC44.5	20	3	M4>M3	DS40		29	25	M5.0X11	T20	



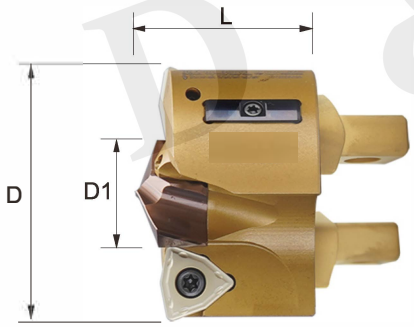


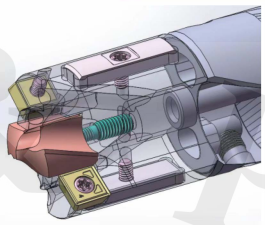


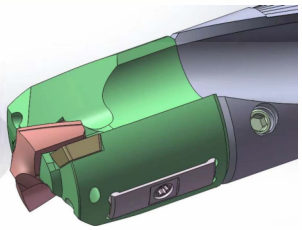
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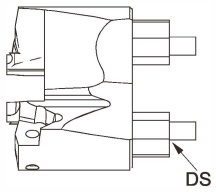
HLC 可换钻头

HLC drill









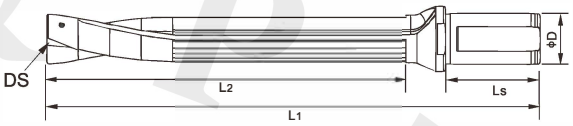
直径 D	中心钻尖 D1	中心刃接口 Interface	双头螺丝 Screw	刀杆接口 Interface	边刃片 Insert	L	L1	边刃片螺丝 Screw	扳手 Wrench	重量 Kg
HLC45.0	21	3	M4>M3	DS45		30	25	M5.0X11	T20	
HLC45.5	21	3	M4>M3	DS45		30	25	M5.0X11	T20	
HLC46.0	22	3	M4>M3	DS45	880-070406-H-P	30	25	M5.0X11	T20	
HLC46.5	22	3	M4>M3	DS45		30	25	M5.0X11	T20	
HLC47.0	23	4	M4>M3	DS45		30	25	M5.0X11	T20	
HLC47.5	23	4	M4>M3	DS45		30	25	M5.0X11	T20	
HLC48.0	24	4	M4>M3	DS45		30	25	M5.0X11	T20	
HLC48.5	24	4	M4>M3	DS45		30	25	M5.0X11	T20	
HLC49.0	25	5	M5-M4	DS45		30	25	M5.0X11	T20	
HLC49.5	25	5	M5-M4	DS45		30	25	M5.0X11	T20	
HLC50.0	21	3	M4>M3	DS50		35	30	M6.0X14	T25	
HLC50.5	21	3	M4>M3	DS50		35	30	M6.0X14	T25	
HLC51.0	22	3	M4>M3	DS50	880-080508-H-P	35	30	M6.0X14	T25	
HLC51.5	22	3	M4>M3	DS50		35	30	M6.0X14	T25	
HLC52.0	23	4	M4>M3	DS50		35	30	M6.0X14	T25	
HLC52.5	23	4	M4>M3	DS50		35	30	M6.0X14	T25	
HLC53.0	24	4	M4>M3	DS50		35	30	M6.0X14	T25	
HLC53.5	24	4	M4>M3	DS50		35	30	M6.0X14	T25	
HLC54.0	25	5	M5-M4	DS50		35	30	M6.0X14	T25	
HLC54.5	25	5	M5-M4	DS50		35	30	M6.0X14	T25	
HLC55.0	26	5	M5-M4	DS50		35	30	M6.0X14	T25	
HLC55.5	26	5	M5-M4	DS50		35	30	M6.0X14	T25	
HLC56.0	21	3	M4>M3	DS56		42	36	M6.0X14	T25	
HLC57.0	22	3	M4>M3	DS56		42	36	M6.0X14	T25	
HLC58.0	23	4	M4>M3	DS56	880 090608-H-P	42	36	M6.0X14	T25	
HLC59.0	24	4	M4>M3	DS56		42	36	M6.0X14	T25	
HLC60.0	25	5	M5-M4	DS56		42	36	M6.0X14	T25	
HLC61.0	26	5	M5-M4	DS56		42	36	M6.0X14	T25	
HLC62.0	27	6	M5-M4	DS56		42	36	M6.0X14	T25	
HLC63.0	28	6	M6-M5	DS63		42	36	M6.0X14	T25	
HLC64.0	29	7	M6-M5	DS63		42	36	M6.0X14	T25	
HLC65.0	30	7	M6-M5	DS63	880 090608-H-P	42	36	M6.0X14	T25	
HLC66.0	31	8	M6-M5	DS63		42	36	M6.0X14	T25	
HLC67.0	32	8	M6-M5	DS63		42	36	M6.0X14	T25	
HLC68.0	33	9	M6-M6	DS63		42	36	M6.0X14	T25	
HLC69.0	34	9	M6-M6	DS63		42	36	M6.0X14	T25	
HLC70.0	35	9	M6-M6	DS63		42	36	M6.0X14	T25	

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HLC 链接杆

HLC drill





3xD · 公制

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

5xD · 公制

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

8xD · 公制

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

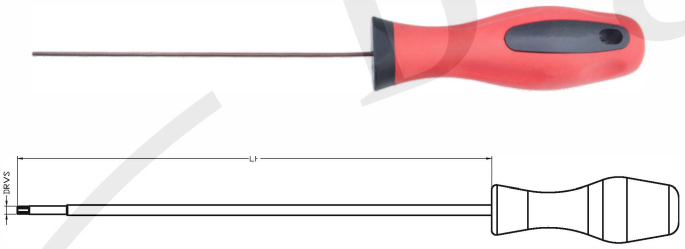
10xD · 公制

型号 Cat.No	尺寸（mm）						重量 Kg
	D	L1	L2	LS	螺丝 Screw	扳手 Wrench	
DS28	32	345	288	58			
DS32	32	391	330	58			
DS36	32	439	370	58			
DS40	50	491	415	68			
DS45	50	549	465	68			
DS50	50	613	520	68			
DS56	50	693	590	68			
DS63	50	779	664	68			

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HLD 备用扳手

HLD Spare Wrech

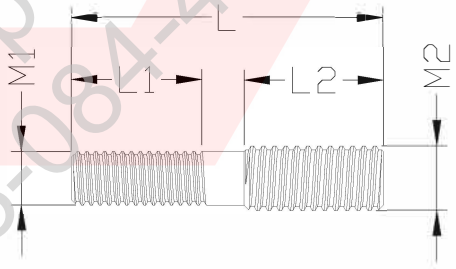


DRVS	mm	in	重量 Kg
1.5mm		7	
1.5mm		9	
1.5mm		12	
1.5mm		14	
2mm		8	
2mm		10	
2mm		14	
2mm		16	
2.5mm		9	
2.5mm		12	
2.5mm		15	
2.5mm		18	
3mm		10	
3mm		13	
3mm		17	
3mm		20	
T5		6	
T5		7	
T5		11	
T6		6	
T6		7	
T6		11	

HLD 双头牙专用螺丝

HLD special screws with double-ender teeth



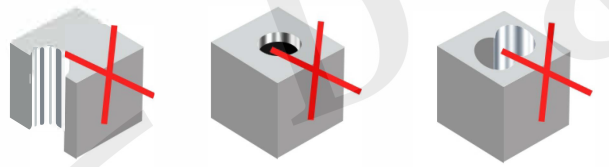


钻头直径 Drill diameter	接口 Connector	M2	M1	L2	L1	L	螺丝 Screw	扳手 Wrench	重量 Kg
12.5~13.5	C	m2.5	m3	7.5	7.5	16	CR2530	1.5	
13.6~14.5	B	m2.5	m3	7.5	7.5	16	CR2530	1.5	
14.6~15.8	A	m2.5	m3	7.5	7.5	16	CR2530	1.5	
15.9~18.0	1	m2.5	m3.5	7.5	7.5	16	CR2535	1.5	
18.1~19.9	2	m3	m4	8.5	8.5	19	CR3040	2	
20.0~22.0	3	m3	m4	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	m5	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	

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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

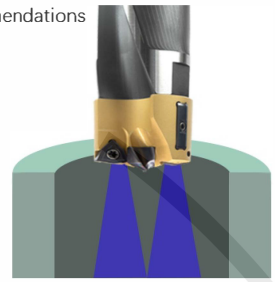
在中心轴上进行扩孔
Reaming on the centre shaft

Coolant Application Recommendations

冷却剂应用建议

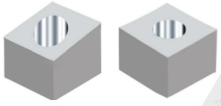
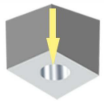
推荐使用内冷冷却方式可以获得最优化的切屑排出性能，以及最长的刀具寿命。

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

Shortening of the cutting edge reduces machining stability

刃带变短会降低加工稳定性

Each regrind

每次修磨



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。

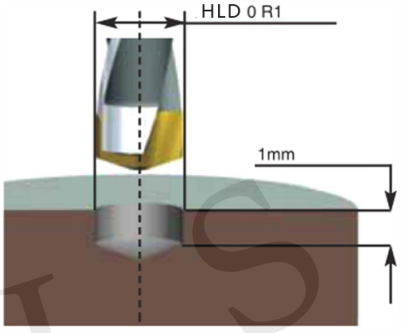
The HLD modular drilling system offers good machining consistency and safety only when new HLD inserts are used.

*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

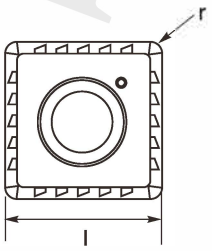
2. Drilling of 1 mm depth holes with large diameters

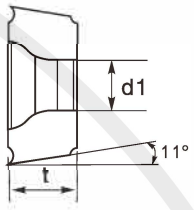
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TE系列

SPMT 外刃刀片



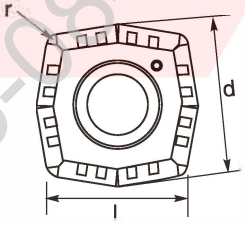


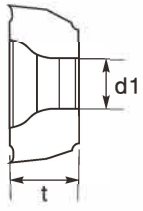


型 号 Cat.No	尺 寸 (mm)				配 件 Parts	
					螺丝 Screw	扳手 Wrench
	l	t	r	d1		
SPMT040204 PD	4.7	2.4	0.4	2.3	M2.0x5	T6
SPMT050204 PD	5.1	2.4	0.4	2.3	M2.0x5	T6
SPMT060205 PD	6.2	2.5	0.5	2.5	M2.5x5	T6
SPMT07T208 PD	7.5	2.8	0.7	2.8	M2.5x5	T8
SPMT090308 PD	9.2	3.3	0.8	3.4	M3.0x7	T8
SPMT11T308 PD	11.0	4.0	0.8	4.0	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







型 号 Cat.No	尺 寸 (mm)				配 件 Parts	
					螺丝 Screw	扳手 Wrench
	l	t	r	d1		
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

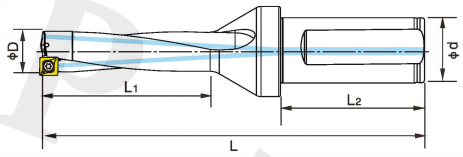
D&P TOOLS
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TE系列 快速钻头

TE Series fast drill bit

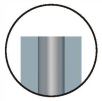
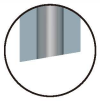
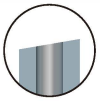
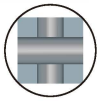
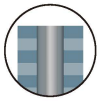
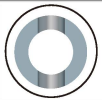
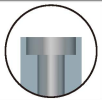
公差：0~±0.15mm





Dx2

型 号 Cat.No	尺 寸 （mm）					内刃刀片 Insert	外刃刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	d					
TE13-2D-C20	13.0	99	29							0.2
TE13.5-2D-C20	13.5	100	30			XOMT040204 PD	SPMT040204 PD			0.2
TE14-2D-C20	14.0	101	31							0.22
TE14.5-2D-C20	14.5	102	32	50	20			M2.0X4		0.22
TE15-2D-C20	15.0	103	33							0.24
TE15.5-2D-C20	15.5	104	34			XOMT050204 PD	SPMT050204 PD			0.24
TE16-2D-C20	16.0	105	35							0.26
TE16.5-2D-C25	16.5	117	36						T6	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			XOMT060204 PD	SPMT060205 PD	M2.2X5		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	56	25					0.38
TE20.5-2D-C25	20.5	125	44							0.38
TE21-2D-C25	21.0	126	45							0.38
TE21.5-2D-C25	21.5	127	46							0.38
TE22-2D-C25	22.0	128	47			XOMT07T205 PD	SPMT07T208 PD	M2.5X5		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-C32	24.0	141	51							0.68
TE24.5-2D-C32	24.5	142	52							0.68
TE25-2D-C32	25.0	143	53							0.68
TE25.5-2D-C32	25.5	144	54						T10	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			XOMT090305 PD	SPMT090308 PD	M3.0X7		0.7
TE28-2D-C32	28.0	149	59	60	32					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							0.78
TE33-2D-C32	33.0	161	71			XOMT11T306 PD	SPMT11T308 PD	M3.5X8		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							0.84
TE37-2D-C40	37.0	184	79						T15	0.9
TE38-2D-C40	38.0	186	81							0.92
TE39-2D-C40	39.0	188	83			XOMT130406 PD	SPMT130410 PD	M4.0X10		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							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			XOMT15M508 PD	SPMT15M510 PD			1.70
TE48-2D-C40	48.0	206	101	70	40					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					M5.0X12	T20	1.92
TE52-2D-C40	52.0	214	109							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			XOMT180508 PD	SPMT180510 PD			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

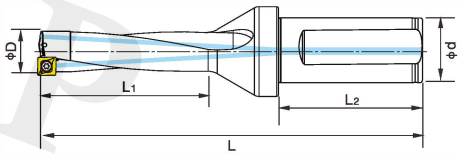
适合加工孔 Suitable for machining holes	实体孔 Solid pore	底部斜面孔 Bottom inclined face	顶部斜面孔 Top slant face	倒角孔 Chamfering hole	交叉孔 Cross hole	多层孔 Multilayer hole	凸面孔 Convex surface hole	扩孔 Expand hole
								

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TE系列 快速钻头

TE Series fast drill bit





Dx3

公差：0~±0.15mm

型 号 Cat.No	尺 寸 （mm）					内刃刀片 Insert	外刃刀片 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-C32	24.0	165	75	60	32	XOMT090305 PD	SPMT090308 PD	M3.0X7		0.7
TE24.5-3D-C32	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

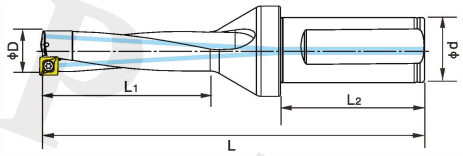
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TE系列 快速钻头

TE Series fast drill bit

公差：0~±0.15mm





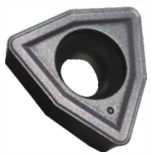
Dx4

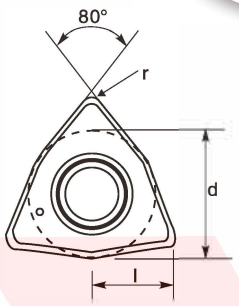
型 号 Cat.No	尺 寸 （mm）					内刃刀片 Insert	外刃刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	d					
TE13-4D-C20	13.0	125	55	50	20	XOMT040204 PD	SPMT040204 PD	M2.0X4	T6	0.22
TE13.5-4D-C20	13.5	127	57							0.22
TE14-4D-C20	14.0	129	59							0.24
TE14.5-4D-C20	14.5	131	61			XOMT050204 PD	SPMT050204 PD			0.24
TE15-4D-C20	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-C32	24.0	189	99	60	32	XOMT090305 PD	SPMT090308 PD	M3.0X7		0.74
TE24.5-4D-C32	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

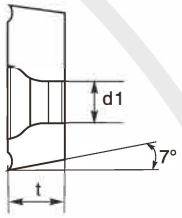
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WCMT









型 号 Cat.No	尺 寸 (mm)					配 件 Parts	
						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



型 号 Cat.No	直 径 Diameter	有效长 (mm) Effective length									配 件 Parts		
		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
WC10.0-C20-WC02	10.0~10.4	20	0.18	30	0.2	40	0.2	50	0.2	20	WCMT020104CR	M2.2	T6
WC10.5-C20-WC02	10.5~11.9	21	0.18	31.5	0.2	42	0.2	52.5	0.2	20			
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	WCMT020104CR	M2.2	T6
WC13.0-C20-WC02	13.0~13.4	26	0.2	39	0.2	52	0.22	65	0.22	20			
WC13.5-C20-WC02	13.5~13.9	27	0.2	40.5	0.2	54	0.22	67.5	0.22	20			

WCMT020104CR-KL890

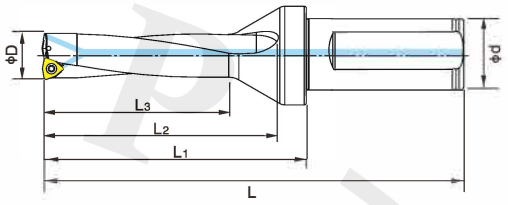
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W形刀片 快速钻头

W Insert fast drill bit

公差：0~±0.15mm





Dx2

型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 14-02D-C25	14	106	50	45	28	25	WCMX 03 02 08	M2.5X5	T8	0.3
WC 14.5-02D-C25	14.5									0.3
WC 15-02D-C25	15	108	52	46.5	30					0.32
WC 15.5-02D-C25	15.5									0.32
WC 16-02D-C25	16	111	55	49.5	32					0.34
WC 16.5-02D-C25	16.5									0.34
WC 17-02D-C25	17	113	57	51.5	34					0.34
WC 17.5-02D-C25	17.5									0.34
WC 18-02D-C25	18	115	59	53.5	36					0.34
WC 18.5-02D-C25	18.5									0.34
WC 19-02D-C25	19	116	60	54.5	38					0.36
WC 19.5-02D-C25	19.5									0.36
WC 20-02D-C25	20	119	63	57.5	40	25	WCMX 04 02 08	M2.5X6	T8	0.36
WC 20.5-02D-C25	20.5									0.36
WC 21-02D-C25	21	121	65	59.5	42					0.38
WC 21.5-02D-C25	21.5									0.38
WC 22-02D-C25	22	120	64	58.5	44					0.38
WC 22.5-02D-C25	22.5									0.38
WC 23-02D-C25	23	125	69	63.5	46					0.4
WC 23.5-02D-C25	23.5									0.4
WC 24-02D-C25	24	127	71	65.5	48	25	WCMT 05 03 08	M3.0X7	T10	0.4
WC 24.5-02D-C25	24.5									0.4
WC 25-02D-C32	25	135	75	69	50	32				0.66
WC 25.5-02D-C32	25.5									0.66
WC 26-02D-C32	26	139	79	73	52					0.7
WC 27-02D-C32	27	141	81	75	54					0.7
WC 28-02D-C32	28	141	81	75	56					0.72
WC 29-02D-C32	29	143	83	77	58					0.74
WC 30-02D-C32	30	145	85	79	60					0.74
WC 31-02D-C32	31	145	85	79	62	32	WCMT 06 T3 08	M3.5X8	T15	0.76
WC 32-02D-C32	32	147	87	81	64					0.76
WC 33-02D-C32	33	149	89	83	66					0.78
WC 34-02D-C32	34	151	91	85	68					0.86
WC 35-02D-C32	35	153	93	87	70					0.86
WC 36-02D-C32	36	155	95	89	72					0.88
WC 37-02D-C32	37	159	99	93	74					0.90
WC 38-02D-C32	38	161	101	95	76					0.92
WC 39-02D-C32	39	161	101	95	78					0.98
WC 40-02D-C32	40	163	103	97	80					0.98
WC 41-02D-C32	41	165	105	99	82					1.02
WC 42-02D-C40	42	182	112	106	84	40	WCMT 08 04 12	M4.0X10	T15	1.48
WC 43-02D-C40	43	184	114	108	86					1.50
WC 44-02D-C40	44	186	116	110	88					1.58
WC 45-02D-C40	45	188	118	112	90					1.64
WC 46-02D-C40	46	190	120	114	92					1.68
WC 47-02D-C40	47	192	122	116	94					1.70
WC 48-02D-C40	48	194	124	118	96					1.76
WC 49-02D-C40	49	196	126	120	98					1.84
WC 50-02D-C40	50	198	128	122	100					1.86
WC 51-02D-C40	51	200	130	124	102					1.92
WC 52-02D-C40	52	202	132	126	104					2.0
WC 53-02D-C40	53	204	134	128	106					2.1
WC 54-02D-C40	54	206	136	130	108					2.14
WC 55-02D-C40	55	208	138	132	110					2.20
WC 56-02D-C40	56	210	140	134	112					2.28
WC 57-02D-C40	57	212	142	136	114					2.38
WC 58-02D-C40	58	214	144	138	116					2.50
WC 59-02D-C40	59	216	146	140	118					2.54
WC 60-02D-C40	60	220	150	144	120					2.58

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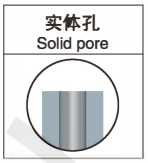
W形刀片 快速钻头

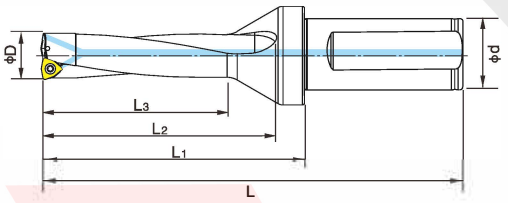
W Insert fast drill bit

公差：0~±0.15mm



适合加工孔
Suitable for machining holes





Dx3

型 号 Cat.No	尺 寸 (mm)						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC14-03D-C25	14	121	65	59.5	42	25	WCMX 03 02 08	M2.5X5	T8	0.32
WC14.5-03D-C25	14.5				43.5					0.32
WC15-03D-C25	15	123	67	61.5	45					0.34
WC15.5-03D-C25	15.5				46.5					0.34
WC16-03D-C25	16	127	71	65.5	48					0.34
WC16.5-03D-C25	16.5				49.5					0.34
WC17-03D-C25	17	130	74	68.5	51					0.36
WC17.5-03D-C25	17.5				52.5					0.36
WC18-03D-C25	18	133	77	71.5	54					0.36
WC18.5-03D-C25	18.5				55.5					0.36
WC19-03D-C25	19	135	79	73.5	57					0.36
WC19.5-03D-C25	19.5				58.5					0.38
WC20-03D-C25	20	139	83	77.5	60					0.38
WC20.5-03D-C25	20.5				61.5					0.4
WC21-03D-C25	21	142	86	80.5	63					0.4
WC21.5-03D-C25	21.5				64.5					0.4
WC22-03D-C25	22	142	86	80.5	66					0.4
WC22.5-03D-C25	22.5				67.5					0.42
WC23-03D-C25	23	148	92	86.5	69					0.42
WC23.5-03D-C25	23.5				70.5					0.42
WC24-03D-C25	24	151	95	89.5	72					0.42
WC24.5-03D-C25	24.5				73.5	25				0.44
WC25-03D-C32	25	160	100	94	75					0.44
WC25.5-03D-C32	25.5				76.5					0.7
WC26-03D-C32	26	165	105	99	78					0.7
WC26.5-03D-C32	26.5				79.5					0.74
WC27-03D-C32	27	168	108	102	81	32	WCMT 05 03 08	M3.0X7	T10	0.74
WC27.5-03D-C32	27.5				82.5					0.76
WC28-03D-C32	28	169	109	103	84					0.76
WC28.5-03D-C32	28.5				85.5					0.78
WC29-03D-C32	29	172	112	106	87					0.78
WC29.5-03D-C32	29.5				88.5					0.82
WC30-03D-C32	30	175	115	109	90					0.82
WC30.5-03D-C32	30.5				91.5					0.82
WC31-03D-C32	31	176	116	110	93	32	WCMT 06 T3 08	M3.5X8	T15	0.84
WC31.5-03D-C32	31.5				94.5					0.84
WC32-03D-C32	32	179	119	113	96					0.86
WC32.5-03D-C32	32.5				97.5					0.86

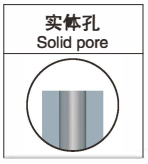
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W形刀片 快速钻头

W Insert fast drill bit

公差：0~±0.15mm

适合加工孔
Suitable for machining holes



Dx3

接上页

型 号 Cat.No	尺 寸 (mm)						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 33-03D-C32	33	182	122	116	99					0.9
WC 33.5-03D-C32	33.5	182	122	116	100.5					0.92
WC 34-03D-C32	34	185	125	119	102					0.94
WC 34.5-03D-C32	34.5	185	125	119	103.5					0.96
WC 35-03D-C32	35	188	128	122	105					0.98
WC 35.5-03D-C32	35.5	188	128	122	106.5					0.98
WC 36-03D-C32	36	191	131	125	108					1.0
WC 36.5-03D-C32	36.5	191	131	125	109.5					1.04
WC 37-03D-C32	37	196	136	130	111	32	WCMT 06 T3 08	M3.5X8	T15	1.08
WC 37.5-03D-C32	37.5	196	136	130	112.5					1.10
WC 38-03D-C32	38	199	139	133	114					1.12
WC 38.5-03D-C32	38.5	199	139	133	115.5					1.14
WC 39-03D-C32	39	200	140	134	117					1.16
WC 39.5-03D-C32	39.5	200	140	134	118.5					1.18
WC 40-03D-C32	40	203	143	137	120					1.22
WC 41-03D-C32	41	206	146	140	123					1.28
WC 42-03D-C40	42	224	154	148	126					1.72
WC 43-03D-C40	43	227	157	151	129					1.74
WC 44-03D-C40	44	230	160	154	132					1.84
WC 45-03D-C40	45	233	163	157	135					1.90
WC 46-03D-C40	46	236	166	160	138					2
WC 47-03D-C40	47	239	169	163	141					2.04
WC 48-03D-C40	48	242	172	166	144					2.16
WC 49-03D-C40	49	245	175	169	147					2.24
WC 50-03D-C40	50	248	178	172	150					2.28
WC 51-03D-C40	51	251	181	175	153	40	WCMT 08 04 12	M4.0X10	T15	2.38
WC 52-03D-C40	52	254	184	178	156					2.48
WC 53-03D-C40	53	257	187	181	159					2.62
WC 54-03D-C40	54	260	190	184	162					2.68
WC 55-03D-C40	55	263	193	187	165					2.78
WC 56-03D-C40	56	266	196	190	168					2.9
WC 57-03D-C40	57	269	199	193	171					3.04
WC 58-03D-C40	58	272	202	196	174					3.14
WC 59-03D-C40	59	275	205	199	177					3.22
WC 60-03D-C40	60	280	210	204	180					3.38
WC 61-03D-C40	61	283	213	207	183					3.5
WC 62-03D-C40	62	286	216	210	186					3.64
WC 63-03D-C40	63	289	219	213	189					3.80
WC 64-03D-C40	64	292	222	216	192					3.90
WC 65-03D-C40	65	295	225	219	195					4.04
WC 66-03D-C40	66	298	228	222	198					4.18
WC 67-03D-C40	67	301	231	225	201					4.40
WC 68-03D-C40	68	304	234	228	204					4.48
WC 69-03D-C40	69	307	237	231	207					4.66
WC 70-03D-C40	70	310	240	234	210					4.88
WC 71-03D-C40	71	323	253	218	213					
WC 72-03D-C40	72	323	256	221	216	40	WCMT 06 T3 08	M3.5X8	T15	
WC 73-03D-C40	73	329	259	224	219					
WC 74-03D-C40	74	332	262	227	222					
WC 75-03D-C40	75	335	265	230	225					
WC 76-03D-C40	76	338	268	233	228					
WC 77-03D-C40	77	341	271	236	231					
WC 78-03D-C40	78	344	274	239	234					
WC 79-03D-C40	79	347	277	242	237					
WC 80-03D-C40	80	350	280	245	240					
WC 81-03D-C40	81	353	283	248	243					
WC 82-03D-C40	82	356	286	251	246					
WC 83-03D-C40	83	359	289	254	249					
WC 84-03D-C40	84	362	292	257	252	40	WCMT 08 04 12	M4.0X10	T15	
WC 85-03D-C40	85	365	295	260	255					

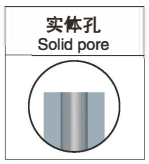
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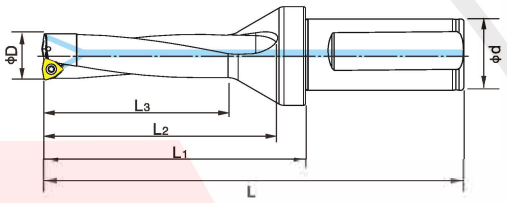
W Insert fast drill bit

公差：0~ ± 0.15mm

适合加工孔
Suitable for machining holes







Dx4

型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC14-04D-C25	14	134	78	72.5	56	25	WCMT 03 02 08	M2.5X5	T8	0.30
WC14.5-04D-C25	14.5	135.5	79.5	74	58					0.30
WC15-04D-C25	15	138	82	76.5	60					0.32
WC15.5-04D-C25	15.5	138	82	76.5	62					0.32
WC16-04D-C25	16	143	87	81.5	64					0.36
WC16.5-04D-C25	16.5	143	87	81.5	66					0.36
WC17-04D-C25	17	147	91	85.5	68					0.36
WC17.5-04D-C25	17.5	147	91	85.5	70					0.36
WC18-04D-C25	18	151	95	89.5	72					0.38
WC18.5-04D-C25	18.5	151	95	89.5	74					0.38
WC19-04D-C25	19	154	98	92.5	76					0.40
WC19.5-04D-C25	19.5	154	98	92.5	78					0.40
WC20-04D-C25	20	159	103	97.5	80	25	WCMT 04 02 08	M2.5X6	T8	0.42
WC20.5-04D-C25	20.5	159	103	97.5	82					0.42
WC21-04D-C25	21	163	107	101.5	84					0.42
WC21.5-04D-C25	21.5	163	107	101.5	86					0.44
WC22-04D-C25	22	164	108	102.5	88					0.44
WC22.5-04D-C25	22.5	164	108	102.5	90					0.44
WC23-04D-C25	23	171	115	109.5	92					0.48
WC23.5-04D-C25	23.5	171	115	109.5	94					0.48
WC24-04D-C32	24	175	119	113.5	96	25	WCMT 05 03 08	M3.0X7	T10	0.52
WC24.5-04D-C32	24.5	175	119	113.5	98					0.64
WC25-04D-C32	25	185	125	119	100	32				0.74
WC25.5-04D-C32	25.5	185	125	119	102					0.80
WC26-04D-C32	26	191	131	125	104					0.80
WC26.5-04D-C32	26.5	191	131	125	106					0.80
WC27-04D-C32	27	195	135	129	108					0.84
WC27.5-04D-C32	27.5	195	135	129	110					0.84
WC28-04D-C32	28	197	137	131	112					0.84
WC28.5-04D-C32	28.5	197	137	131	114					0.86
WC29-04D-C32	29	201	141	135	116					0.88
WC29.5-04D-C32	29.5	201	141	135	118					0.88
WC30-04D-C32	30	205	145	139	120					0.94
WC30.5-04D-C32	30.5	205	145	139	122					0.94
WC31-04D-C32	31	207	147	141	124	32	WCMT 06 T3 08	M3.5X8	T15	0.96
WC31.5-04D-C32	31.5	207	147	141	126					0.98
WC32-04D-C32	32	211	151	145	128					0.98
WC32.5-04D-C32	32.5	211	151	145	130					1.02

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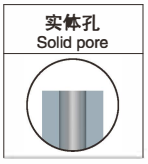
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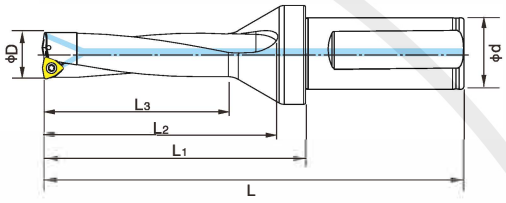
W Insert fast drill bit

公差：0~±0.15mm



适合加工孔
Suitable for machining holes





Dx4

型 号 Cat.No	尺寸（mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 33-04D-C32	33	215	155	149	132	32	WCMT 06 T3 08	M3.5X8	T15	1.02
WC 33.5-04D-C32	33.5	215	155	149	134					1.04
WC 34-04D-C32	34	219	159	153	136					1.06
WC 34.5-04D-C32	34.5	219	159	153	138					1.08
WC 35-04D-C32	35	223	163	157	140					1.12
WC 35.5-04D-C32	35.5	223	163	157	142					1.14
WC 36-04D-C32	36	227	167	161	144					1.18
WC 36.5-04D-C32	36.5	227	167	161	146					1.2
WC 37-04D-C32	37	233	173	167	148					1.24
WC 37.5-04D-C32	37.5	233	173	167	150					1.26
WC 38-04D-C32	38	237	177	171	152					1.32
WC 38.5-04D-C32	38.5	237	177	171	154					1.32
WC 39-04D-C32	39	239	179	173	156					1.36
WC 39.5-04D-C32	39.5	239	179	173	158					1.38
WC 40-04D-C32	40	243	183	177	160					1.44
WC 41-04D-C32	41	247	187	181	164					1.52
WC 42-04D-C40	42	266	196	190	168	40	WCMT 08 04 12	M4.0X10	T15	1.94
WC 43-04D-C40	43	270	200	194	172					2.04
WC 44-04D-C40	44	274	204	198	176					2.10
WC 45-04D-C40	45	278	208	202	180					2.16
WC 46-04D-C40	46	282	212	206	184					2.28
WC 47-04D-C40	47	286	216	210	188					2.42
WC 48-04D-C40	48	290	220	214	192					2.50
WC 49-04D-C40	49	294	224	218	196					2.60
WC 50-04D-C40	50	298	228	222	200					2.70
WC 51-04D-C40	51	302	232	226	204					2.84
WC 52-04D-C40	52	306	236	230	208					2.96
WC 53-04D-C40	53	310	240	234	212					3.10
WC 54-04D-C40	54	314	244	238	216					3.22
WC 55-04D-C40	55	318	248	242	220					3.34
WC 56-04D-C40	56	322	252	246	224					3.42
WC 57-04D-C40	57	326	256	250	228					3.62
WC 58-04D-C40	58	330	260	254	232					3.94
WC 59-04D-C40	59	334	264	258	236					4.02
WC 60-04D-C40	60	340	270	264	240					4.18
WC 61-04D-C40	61	344	274	268	244	40	WCMT 06 T3 08	M3.5X8	T15	4.38
WC 62-04D-C40	62	348	278	272	248					4.54
WC 63-04D-C40	63	352	282	276	252					4.74
WC 64-04D-C40	64	356	286	280	256					4.86
WC 65-04D-C40	65	360	290	284	260					5.10
WC 66-04D-C40	66	364	294	288	264					5.24
WC 67-04D-C40	67	368	298	292	268					5.46
WC 68-04D-C40	68	372	302	296	272					5.70
WC 69-04D-C40	69	376	306	300	276					5.86
WC 70-04D-C40	70	380	310	304	280					6.08
WC 71-04D-C40	71	394	324	289	284					
WC 72-04D-C40	72	398	328	293	288					
WC 73-04D-C40	73	402	332	297	292					
WC 74-04D-C40	74	406	336	301	296					
WC 75-04D-C40	75	410	340	305	300					

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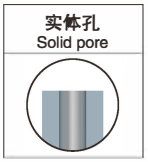
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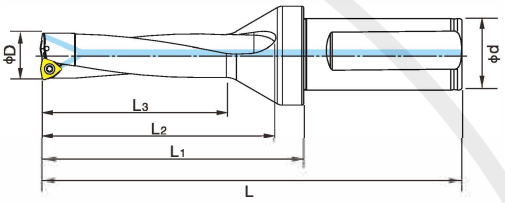
W Insert fast drill bit

公差：0~ ± 0.15mm



适合加工孔
Suitable for machining holes





Dx5

型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 15-05D-C25	15	153	97	91.5	75	25	WCMT 03 02 08	M2.5X6	T8	0.36
WC 16-05D-C25	16	159	103	97.5	80					0.38
WC 17-05D-C25	17	164	108	102.5	85					0.38
WC 18-05D-C25	18	169	113	107.5	90					0.4
WC 19-05D-C25	19	173	117	111.5	95					0.42
WC 20-05D-C32	20	179	123	117.5	100	32	WCMT 04 02 08	M2.5X6	T8	0.46
WC 21-05D-C32	21	184	128	122.5	105					0.46
WC 22-05D-C32	22	186	130	124.5	110					0.5
WC 23-05D-C32	23	194	138	132.5	115					0.52
WC 24-05D-C32	24	199	143	137.5	120	32	WCMT 05 03 08	M3.0X7	T10	0.54
WC 25-05D-C32	25	210	150	144	125					0.58
WC 26-05D-C32	26	217	157	151	130					0.86
WC 27-05D-C32	27	222	162	156	135					0.9
WC 28-05D-C32	28	225	165	159	140					0.94
WC 29-05D-C32	29	230	170	164	145					0.94
WC 30-05D-C32	30	235	175	169	150					1.04
WC 31-05D-C32	31	238	178	172	155	32	WCMT 06 T3 08	M3.5X8	T15	1.08
WC 32-05D-C32	32	243	183	177	160					1.08
WC 33-05D-C32	33	248	188	182	165					1.14
WC 34-05D-C32	34	253	193	187	170					1.20
WC 35-05D-C32	35	258	198	192	175					1.28
WC 36-05D-C32	36	263	203	197	180					1.36
WC 37-05D-C32	37	270	210	204	185					1.46
WC 38-05D-C32	38	275	215	209	190					1.50
WC 39-05D-C32	39	278	218	212	195					1.58
WC 40-05D-C32	40	283	223	217	200					1.68
WC 41-05D-C32	41	288	228	222	205					1.80
WC 42-05D-C40	42	308	238	232	210	40	WCMT 08 04 12	M4.0X10	T15	2.26
WC 43-05D-C40	43	313	243	237	215					2.56
WC 44-05D-C40	44	318	248	242	220					2.44
WC 45-05D-C40	45	323	253	247	225					2.50
WC 46-05D-C40	46	328	258	252	230					2.68
WC 47-05D-C40	47	333	263	257	235					2.82
WC 48-05D-C40	48	338	268	262	240					2.88
WC 49-05D-C40	49	343	273	267	245					3.04
WC 50-05D-C40	50	348	278	272	250					3.30
WC 51-05D-C40	51	353	283	277	255					3.40
WC 52-05D-C40	52	358	288	282	260					3.46
WC 53-05D-C40	53	363	293	287	265					3.74
WC 54-05D-C40	54	368	298	292	270					3.98
WC 55-05D-C40	55	373	303	297	275					4.0
WC 56-05D-C40	56	378	308	302	280					4.26
WC 57-05D-C40	57	383	313	307	285					4.50
WC 58-05D-C40	58	388	318	312	290					4.60
WC 59-05D-C40	59	393	323	317	295					4.72
WC 60-05D-C40	60	400	330	324	300					4.90

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W形刀片 快速钻头

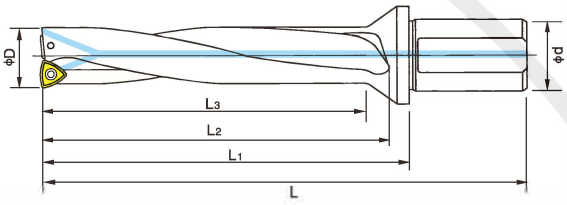
W Insert fast drill bit

公差：0~ ± 0.15mm



适合加工孔
Suitable for machining holes





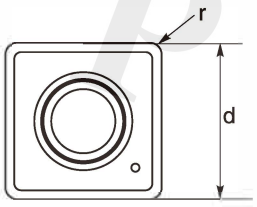
Dx6

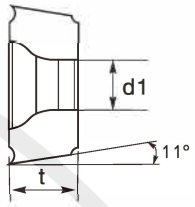
型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WC 22–6D–C25	22	208	152	146.5	132	32	WCMT040208	M2.5x6	T8	
WC 23–6D–C25	23	217	161	155.5	138					
WC 24–6D–C25	24	223	167	161.5	144	32	WCMT050308	M3.0x7	T10	
WC 25–6D–C32	25	235	175	169	150					0.84
WC 26–6D–C32	26	243	183	177	156					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	32	WCMT06T308	M3.5x8	T15	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					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	40	WCMT080412	M4.0x10	T15	
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					
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					

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SPMG





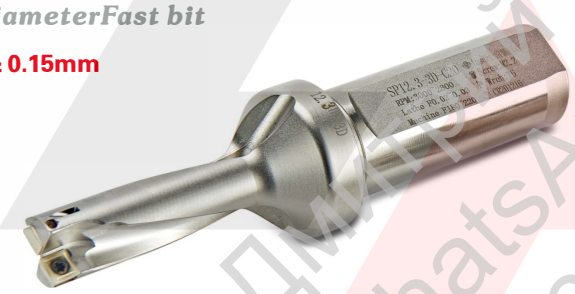


型 号 Cat.No	尺 寸 (mm)				配 件 Parts	
					螺丝 Screw	扳手 Wrench
	d	t	r	d1		
SPMG030102B	3.00		0.2			T6
SPMG040204B	4.70	2.40	0.4			T6
SPMG050204 PA	5.00	2.38	0.4	2.25	M2.2x5-D27	T7
SPMG060204 PA	6.00	2.38	0.4	2.61	M2.2x5	T7
SPMG07T308 PA	7.94	3.97	0.8	2.85	M2.5x8	T8
SPMG090408 PA	9.80	4.30	0.8	4.05	M3.5x8	T15
SPMG110408 PA	11.50	4.80	0.8	4.45	M4.0x10	T15
SPMG140512 PA	14.30	5.20	1.2	5.75	M5.0x11	T20

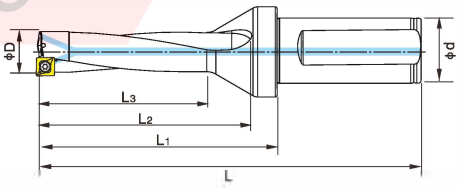
小直径 快速钻头

Small diameterFast bit

公差：0~±0.15mm







2D/3D/4D/5D

型 号 Cat.No	直 径 Diameter	有效长 (mm) Effective length									配 件 Parts		
		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
SP8.5–C20–SP03	8.5	17	0.18							20	SPMG030102B		
SP9.0–C20–SP03	9.0	18	0.18							20			
SP9.5–C20–SP03	9.5	19	0.18							20			
SP10.0–C20–SP03	10.0	20	0.18							20	SPMG040204	M2.2*4*D27	T6
SP10.0–C20–SP04	10.0	20	0.18	30	0.18	40	0.2	50	0.2	20			
SP10.5–C20–SP04	10.5	21	0.18	31.5	0.18	42	0.2	52.5	0.2	20			
SP11.0–C20–SP04	11.0	22	0.18	33	0.2	44	0.2	55	0.2	20			
SP11.5–C20–SP04	11.5	23	0.18	34.5	0.2	46	0.2	57.5	0.2	20			
SP12.0–C20–SP04	12.0	24	0.2	36	0.2	48	0.2	60	0.2	20			

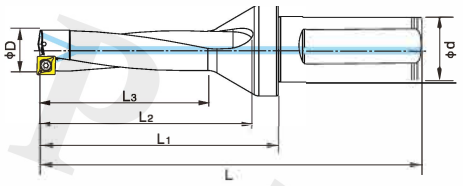
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S形刀片 快速钻头

S Insert fast drill bit

公差：0~±0.15mm





Dx2

型 号 Cat.No	尺 寸 (mm)						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP12.5-02D-C20	12.5	93.5	43.5	38	25	20	SPMG 05 02 04	M2.2x5-D27	T6	0.16
SP13-02D-C20	13	96	46	40.5	26					0.16
SP13.5-02D-C20	13.5				27					0.16
SP14-02D-C25	14	106	50	44.5	28	25				0.28
SP14.5-02D-C25	14.5				29					0.28
SP15-02D-C25	15	108	52	46.5	30					0.28
SP15.5-02D-C25	15.5				31					0.28
SP16-02D-C25	16	111	55	49.5	32	25	SPMG 06 02 04	M2.2X5.5	T7	0.28
SP16.5-02D-C25	16.5				33					0.28
SP17-02D-C25	17	113	57	51.5	34					0.3
SP17.5-02D-C25	17.5				35					0.3
SP18-02D-C25	18	115	59	53.5	36					0.32
SP18.5-02D-C25	18.5				37					0.32
SP19-02D-C25	19	116	60	54.5	38					0.32
SP19.5-02D-C25	19.5				39					0.32
SP20-02D-C25	20	119	63	57.5	40					0.32
SP20.5-02D-C25	20.5				41					0.32
SP21-02D-C25	21	121	65	59.5	42					0.34
SP21.5-02D-C25	21.5				43					0.34
SP22-02D-C25	22	120	64	58.5	44	25	SPMG 07 T3 08	M2.5X8	T8	0.34
SP22.5-02D-C25	22.5				45					0.34
SP23-02D-C25	23	125	69	63.5	46					0.36
SP23.5-02D-C25	23.5				47					0.36
SP24-02D-C25	24	127	71	65.5	48					0.36
SP24.5-02D-C25	24.5				49					0.38
SP25-02D-C32	25	135	75	69	50	32				0.66
SP25.5-02D-C32	25.5				51					0.66
SP26-02D-C32	26	139	79	73	52					0.68
SP26.5-02D-C32	26.5				53					0.68
SP27-02D-C32	27	141	81	75	54					0.7
SP27.5-02D-C32	27.5				55					0.72
SP28-02D-C32	28	141	81	75	56	32	SPMG 09 04 08	M3.5X9	T15	0.7
SP28.5-02D-C32	28.5				57					0.7
SP29-02D-C32	29	143	83	77	58					0.7
SP29.5-02D-C32	29.5				59					0.72
SP30-02D-C32	30	145	85	79	60					0.74
SP30.5-02D-C32	30.5				61					0.74
SP31-02D-C32	31	145	85	79	62					0.74
SP31.5-02D-C32	31.5				63					0.74
SP32-02D-C32	32	147	87	81	64					0.76
SP32.5-02D-C32	32.5				65					0.76
SP33-02D-C32	33	149	89	83	66					0.8
SP34-02D-C32	34	151	91	85	68	32	SPMG 11 04 08	M4.0X10	T15	0.8
SP35-02D-C32	35	153	93	87	70					0.8
SP36-02D-C32	36	155	95	89	72					0.84
SP37-02D-C32	37	159	99	93	74					0.86
SP38-02D-C32	38	161	101	95	76					0.92
SP39-02D-C32	39	161	101	95	78					0.92
SP40-02D-C32	40	163	103	97	80					0.96
SP41-02D-C32	41	165	105	99	82					1
SP42-02D-C40	42	182	112	106	84	40	SPMG 14 05 12	M5.0X11	T20	1.44
SP43-02D-C40	43	184	114	108	86					1.5
SP44-02D-C40	44	186	116	110	88					1.54
SP45-02D-C40	45	188	118	112	90					1.58
SP46-02D-C40	46	190	120	114	92					1.62
SP47-02D-C40	47	192	122	116	94					1.66
SP48-02D-C40	48	194	124	118	96					1.72
SP49-02D-C40	49	196	126	120	98					1.76
SP50-02D-C40	50	198	128	122	100					1.84

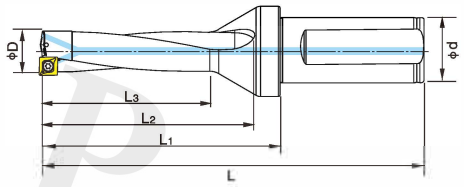
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S形刀片 快速钻头

S Insert fast drill bit

公差：0~±0.15mm





Dx3

型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP12.5-03D-C20	12.5	106	56	50.5	37.5	20	SPMG 05 02 04	M2.2x5-D27	T6	0.2
SP13-03D-C20	13	109	59	53.5	39					0.2
SP13.5-03D-C20	13.5				40.5					0.2
SP14-03D-C25	14	120	64	58.5	42	25				0.32
SP14.5-03D-C25	14.5				43.5					0.32
SP15-03D-C25	15	123	67	61.5	45					0.32
SP15.5-03D-C25	15.5				46.5					0.34
SP16-03D-C25	16	127	71	65.5	48	25	SPMG 06 02 04	M2.2X5.5	T7	0.34
SP16.5-03D-C25	16.5				49.5					0.34
SP17-03D-C25	17	130	74	68.5	51					0.34
SP17.5-03D-C25	17.5				52.5					0.36
SP18-03D-C25	18	133	77	71.5	54					0.36
SP18.5-03D-C25	18.5				55.5					0.38
SP19-03D-C25	19	135	79	73.5	57					0.38
SP19.5-03D-C25	19.5				58.5					0.38
SP20-03D-C25	20	139	83	77.5	60					0.4
SP20.5-03D-C25	20.5				61.5					0.4
SP21-03D-C25	21	142	86	80.5	63					0.4
SP21.5-03D-C25	21.5				64.5					0.4
SP22-03D-C25	22	142	86	80.5	66	25	SPMG 07 T3 08	M2.5X8	T8	0.4
SP22.5-03D-C25	22.5				67.5					0.4
SP23-03D-C25	23	148	92	86.5	69					0.42
SP23.5-03D-C25	23.5				70.5					0.42
SP24-03D-C25	24	151	95	89.5	72					0.44
SP24.5-03D-C25	24.5				73.5					0.44
SP25-03D-C32	25	160	100	94	75	32				0.7
SP25.5-03D-C32	25.5				76.5					0.7
SP26-03D-C32	26	165	105	99	78					0.72
SP26.5-03D-C32	26.5				79.5					0.74
SP27-03D-C32	27	168	108	102	81					0.78
SP27.5-03D-C32	27.5				82.5					0.78
SP28-03D-C32	28	169	109	103	84	32	SPMG 09 04 08	M3.5X9	T15	0.78
SP28.5-03D-C32	28.5				85.5					0.78
SP29-03D-C32	29	172	112	106	87					0.8
SP29.5-03D-C32	29.5				88.5					0.8
SP30-03D-C32	30	175	115	109	90					0.82
SP30.5-03D-C32	30.5				91.5					0.84
SP31-03D-C32	31	176	116	110	93					0.84
SP31.5-03D-C32	31.5				94.5					0.84
SP32-03D-C32	32	179	119	113	96					0.88
SP32.5-03D-C32	32.5				97.5					0.88
SP33-03D-C32	33	182	122	116	99					0.9
SP33.5-03D-C32	33.5				100.5					0.9
SP34-03D-C32	34	185	125	119	102	32	SPMG 11 04 08	M4.0X10	T15	0.9
SP35-03D-C32	35	188	128	122	105					0.96
SP36-03D-C32	36	191	131	125	108					0.98
SP37-03D-C32	37	196	136	130	111					1.04
SP38-03D-C32	38	199	139	133	114					1.10
SP39-03D-C32	39	200	140	134	117					1.14
SP40-03D-C32	40	203	143	137	120					1.18
SP41-03D-C32	41	206	146	140	123					1.22
SP42-03D-C40	42	224	154	148	126	40	SPMG 14 05 12	M5.0X11	T20	1.70
SP43-03D-C40	43	227	157	151	129					1.74
SP44-03D-C40	44	230	160	154	132					1.78
SP45-03D-C40	45	233	163	157	135					1.86
SP46-03D-C40	46	236	166	160	138					1.94
SP47-03D-C40	47	239	169	163	141					2.0
SP48-03D-C40	48	242	172	166	144					2.0
SP49-03D-C40	49	245	175	169	147					2.16
SP50-03D-C40	50	248	178	172	150					2.24

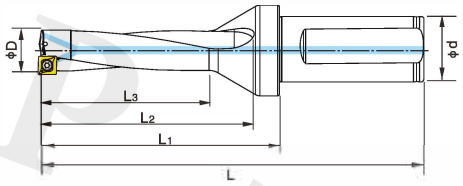
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S形刀片 快速钻头

S Insert fast drill bit

公差：0~±0.15mm





Dx4

型 号 Cat.No	尺 寸 (mm)						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP12.5-04D-C20	12.5	118.5	68.5	63	50	20	SPMG 05 02 04	M2.2x5-D27	T6	0.22
SP13.0-04D-C20	13.0	122	72	66.5	52					0.22
SP13.5-04D-C20	13.5				54					0.22
SP14.0-04D-C25	14.0	134	78	72.5	56	25	SPMG 05 02 04	M2.2x5-D27	T6	0.32
SP14.5-04D-C25	14.5				58					0.32
SP15.0-04D-C25	15.0	138	82	76.5	60					0.34
SP15.5-04D-C25	15.5				62					0.34
SP16.0-04D-C25	16.0	143	87	81.5	64	25	SPMG 06 02 04	M2.2X5.5	T7	0.34
SP16.5-04D-C25	16.5				66					0.34
SP17.0-04D-C25	17.0	147	91	85.5	68					0.38
SP17.5-04D-C25	17.5				70					0.38
SP18.0-04D-C25	18.0	151	95	89.5	72					0.38
SP18.5-04D-C25	18.5				74					0.38
SP19.0-04D-C25	19.0	154	98	92.5	76					0.4
SP19.5-04D-C25	19.5				78					0.4
SP20.0-04D-C25	20.0	159	103	97.5	80					0.42
SP20.5-04D-C25	20.5				82					0.42
SP21.0-04D-C25	21.0	163	107	101.5	84					0.44
SP21.5-04D-C25	21.5				86					0.44
SP22.0-04D-C25	22.0	164	108	102.5	88	25	SPMG 07 T3 08	M2.5X8	T8	0.44
SP22.5-04D-C25	22.5				90					0.44
SP23.0-04D-C25	23.0	171	115	109.5	92					0.46
SP23.5-04D-C25	23.5				94					0.48
SP24.0-04D-C25	24.0	175	119	113.5	96					0.5
SP24.5-04D-C25	24.5				98					0.5
SP25.0-04D-C32	25.0	185	125	119	100	32				0.76
SP25.5-04D-C32	25.5				102					0.76
SP26.0-04D-C32	26.0	191	131	125	104					0.78
SP26.5-04D-C32	26.5				106					0.82
SP27.0-04D-C32	27.0	195	135	129	108					0.84
SP27.5-04D-C32	27.5				110					0.86
SP28.0-04D-C32	28.0	197	137	131	112	32	SPMG 09 04 08	M3.5X9	T15	0.84
SP28.5-04D-C32	28.5				114					0.84
SP29.0-04D-C32	29.0	201	141	135	116					0.88
SP29.5-04D-C32	29.5				118					0.9
SP30.0-04D-C32	30.0	205	145	139	120					0.9
SP30.5-04D-C32	30.5				122					0.94
SP31.0-04D-C32	31.0	207	147	141	124					0.94
SP31.5-04D-C32	31.5				126					0.96
SP32.0-04D-C32	32.0	211	151	145	128					0.98
SP32.5-04D-C32	32.5				130					1.0
SP33.0-04D-C32	33.0	215	155	149	132					1.0
SP33.5-04D-C32	33.5				134					1.0
SP34.0-04D-C32	34.0	219	159	153	136	32	SPMG 11 04 08	M4.0X10	T15	1.06
SP35.0-04D-C32	35.0	223	163	157	140					1.06
SP36.0-04D-C32	36.0	227	167	161	144					1.14
SP37.0-04D-C32	37.0	233	173	167	148					1.20
SP38.0-04D-C32	38.0	237	177	171	152					1.26
SP39.0-04D-C32	39.0	239	179	173	156					1.32
SP40.0-04D-C32	40.0	243	183	177	160					1.36
SP41.0-04D-C32	41.0	247	187	181	164					1.48
SP42.0-04D-C40	42.0	266	196	190	168	40	SPMG 14 05 12	M5.0X11	T20	1.94
SP43.0-04D-C40	43.0	270	200	194	172					1.98
SP44.0-04D-C40	44.0	274	204	198	176					2.06
SP45.0-04D-C40	45.0	278	208	202	180					2.14
SP46.0-04D-C40	46.0	282	212	206	184					2.26
SP47.0-04D-C40	47.0	286	216	210	188					2.42
SP48.0-04D-C40	48.0	290	220	214	192					2.46
SP49.0-04D-C40	49.0	294	224	218	196					2.58
SP50.0-04D-C40	50.0	298	228	222	200					2.70

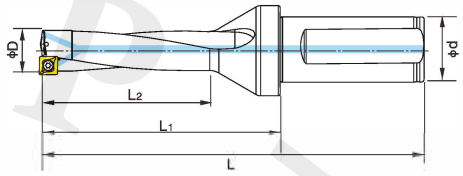
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S形刀片 快速钻头

S Insert fast drill bit

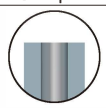
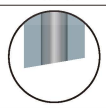
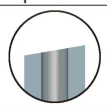
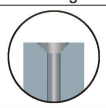
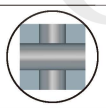
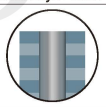
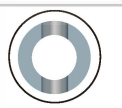
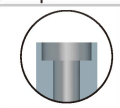
公差：0~±0.15mm





Dx5

型 号 Cat.No	尺 寸 （mm）					刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	d				
SP15-05D-C25	15	153	97	75	25	SPMG 05 02 04	M2.2x5-D27	T7	0.38
SP15.5-05D-C25	15.5			77.5					0.4
SP16-05D-C25	16	159	103	80					0.4
SP16.5-05D-C25	16.5			82.5					0.4
SP17-05D-C25	17	164	108	85	25	SPMG 06 02 04	M2.2X5.5	T7	0.42
SP17.5-05D-C25	17.5			87.5					0.42
SP18-05D-C25	18	169	113	90					0.44
SP18.5-05D-C25	18.5			92.5					0.44
SP19-05D-C25	19	173	117	95					0.46
SP19.5-05D-C25	19.5			97.5					0.46
SP20-05D-C25	20	179	126	100					0.48
SP20.5-05D-C25	20.5			102.5					0.48
SP21-05D-C25	21	184	128	105					0.5
SP21.5-05D-C25	21.5			107.5					0.5
SP22-05D-C25	22	186	130	110	25	SPMG 07 T3 08	M2.5X8	T8	0.5
SP22.5-05D-C25	22.5			112.5					0.5
SP23-05D-C25	23	171	115	115					0.54
SP23.5-05D-C25	23.5			117.5					0.54
SP24-05D-C25	24	175	119	120					0.58
SP24.5-05D-C25	24.5			122.5					0.58
SP25-05D-C32	25	185	125	125					0.86
SP25.5-05D-C32	25.5			127.5					0.86
SP26-05D-C32	26	191	131	130					0.88
SP26.5-05D-C32	26.5			132.5					0.9
SP27-05D-C32	27	195	135	135					0.94
SP27.5-05D-C32	27.5			137.5					0.94
SP28-05D-C32	28	225	165	140	32	SPMG 09 04 08	M3.5X9	T15	0.94
SP29-05D-C32	29	230	170	145					0.96
SP30-05D-C32	30	235	175	150					1.02
SP31-05D-C32	31	238	178	155					1.02
SP32-05D-C32	32	243	183	160					1.08
SP33-05D-C32	33	248	188	165					1.12
SP34-05D-C32	34	253	193	170	32	SPMG 11 04 08	M4.0X10	T15	1.16
SP35-05D-C32	35	258	198	175					1.20
SP36-05D-C32	36	263	203	180					1.28
SP37-05D-C32	37	270	210	185					1.40
SP38-05D-C32	38	275	215	190					1.44
SP39-05D-C32	39	278	218	195					1.54
SP40-05D-C32	40	283	223	200					1.62
SP41-05D-C32	41	288	228	205					1.72
SP42-05D-C40	42	308	238	210	40	SPMG 14 05 12	M5.0X11	T20	2.20
SP43-05D-C40	43	313	243	215					2.26
SP44-05D-C40	44	318	248	220					2.44
SP45-05D-C40	45	323	253	225					2.48
SP46-05D-C40	46	328	258	230					2.52
SP47-05D-C40	47	333	263	235					2.62
SP48-05D-C40	48	338	268	240					2.9
SP49-05D-C40	49	343	273	245					2.98
SP50-05D-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
								

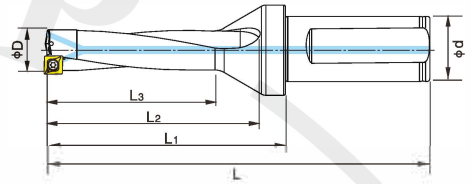
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S形刀片 快速钻头

S Insert fast drill bit

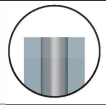
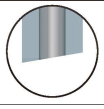
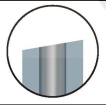
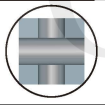
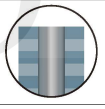
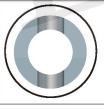
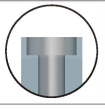
公差：0~ ± 0.15mm





Dx6

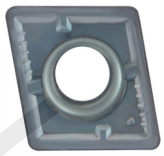
型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SP 22–6D–C25	22	227	167	137	132	25	SP07T308	M2.5x6	T8	
SP 23–6D–C25	23	233	173	143	138					
SP 24–6D–C25	24	239	179	149	144					
SP 25–6D–C25	25	245	185	155	150					0.84
SP 26–6D–C32	26	251	191	161	156	32				0.92
SP 27–6D–C32	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	40	SPMG110408	M4x10	T15	1.34
SP 34–6D–C40	34	399	239	209	204					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					
SP 43–6D–C40	43	368	298	363	258	40	SPMG140512	M5x12	T20	
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					

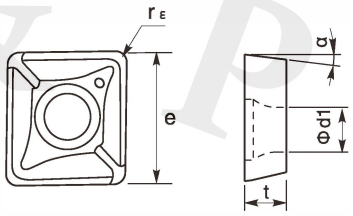
实体孔 Solid pore	底部斜面孔 Bottom inclined face	顶部斜面孔 Top slant face	倒角孔 Chamfering hole	交叉孔 Cross hole	多层孔 Multilayer hole	凸面孔 Convex surface hole	扩孔 Expand hole	适合加工孔 Suitable for machining holes
								

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WDXT刀片

WDXT Insert





型号 Cat.No	P300	K300	DL1500	Fig	尺寸（mm）			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

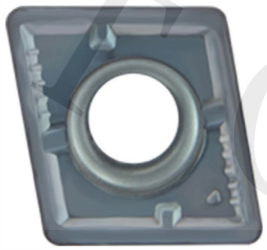
WDXT insert fast drill bit

WD 快速钻

diameter:12.5~60mm

2D 3D 4D 5D

WDXT insert series





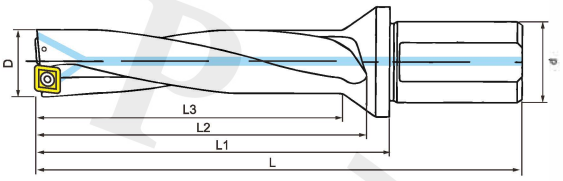
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WDXT 快速钻头 3倍长

WDXT Insert fast drill bit

公差：0~±0.15mm





Dx3

型 号 Cat.No	尺 寸 （mm）						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	M1.8x4.2	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	M2.2x5	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	M2.5x6	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	M3.5x8	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	M5.0x11	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	M6.0x14.2	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					

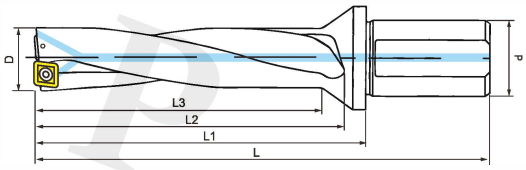
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WDXT 快速钻头 4倍长

WDXT Insert fast drill bit

公差：0~±0.15mm





Dx4

型 号 Cat.No	尺 寸 （mm）						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	M1.8x4.2	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	M2.2x5	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	M2.5x6	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	M3.5x8	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	M5.0x11	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	M6.0x14.2	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					

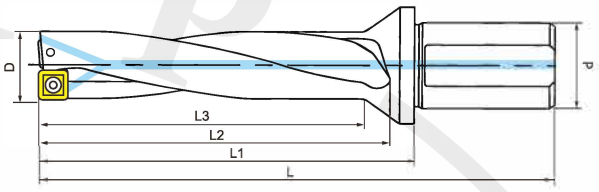
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WDXT 快速钻头 5倍长

WDXT Insert fast drill bit

公差：0~ ± 0.15mm





Dx5

型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
WD15–5D–C25	15	161	105	80	75	25	WDXT 052504	M2.0x5	T6	
WD16–5D–C25	16	166	110	85	80					
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	M2.2x5	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	M3.5x8	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	M4.0x10	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	M5.0x11	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					

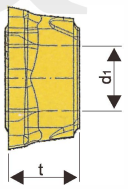
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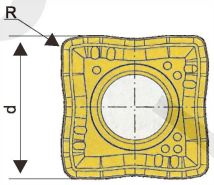
SOMT刀片

SOMT Insert



• 通用加工





型号 Cat.No	尺寸（mm）				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 insert fast drill bit

TOP 快速钻

diameter:12.5~60mm

2D 3D 4D 5D

SOMT insert series

SOMT 系列刀片





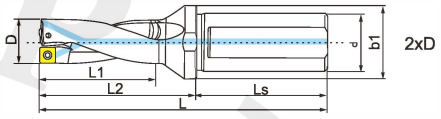
D & P TOOLS
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SO钻头

SO Drill

公差：0~±0.15mm





Dx2

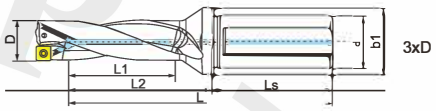
型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SO12-2D-C20-04	12	94	50	44	24	20	SOMT040204	M1.8	T6	
SO12.5-2D-C20-04	12.5	96	50	46	25	20	SOMT040204	M1.8	T6	
SO13-2D-C20-04	13	96	50	46	26	20	SOMT040204	M1.8	T6	
SO13.5-2D-C20-04	13.5	96	50	46	27	20	SOMT040204	M1.8	T6	
SO14-2D-C20-05	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	T7	
SO23-2D-C25-08	23	124	56	68	46	25	SOMT08T306	M2.5	T7	
SO23.5-2D-C25-08	23.5	126	56	70	47	25	SOMT08T306	M2.5	T7	
SO24-2D-C25-08	24	126	56	70	48	25	SOMT08T306	M2.5	T7	
SO24.5-2D-C25-08	24.5	128	56	72	49	25	SOMT08T306	M2.5	T7	
SO25-2D-C32-08	25	128	56	72	50	32	SOMT08T306	M2.5	T7	
SO25.5-2D-C32-08	25.5	133	60	73	51	32	SOMT08T306	M2.5	T7	
SO26-2D-C32-08	26	133	60	73	52	32	SOMT08T306	M2.5	T7	
SO26.5-2D-C32-09	26.5	137	60	77	53	32	SOMT09T308	M3.5	T10	
SO27-2D-C32-09	27	137	60	77	54	32	SOMT09T308	M3.5	T10	
SO27.5-2D-C32-09	27.5	139	60	79	55	32	SOMT09T308	M3.5	T10	
SO28-2D-C32-09	28	139	60	79	56	32	SOMT09T308	M3.5	T10	
SO28.5-2D-C32-09	28.5	141	60	81	57	32	SOMT09T308	M3.5	T10	
SO29-2D-C32-09	29	141	60	81	58	32	SOMT09T308	M3.5	T10	
SO29.5-2D-C32-09	29.5	143	60	83	59	32	SOMT09T308	M3.5	T10	
SO30-2D-C32-09	30	143	60	83	60	32	SOMT09T308	M3.5	T10	
SO30.5-2D-C32-09	30.5	145	60	85	61	32	SOMT09T308	M3.5	T10	
SO31-2D-C32-09	31	145	60	85	62	32	SOMT09T308	M3.5	T10	
SO32-2D-C32-11	32	147	60	87	64	32	SOMT11T308	M3.5	T10	
SO33-2D-C32-11	33	149	60	89	66	32	SOMT11T308	M3.5	T10	
SO34-2D-C32-11	34	151	60	91	68	32	SOMT11T308	M3.5	T10	
SO35-2D-C32-11	35	153	60	93	70	32	SOMT11T308	M3.5	T10	
SO36-2D-C32-11	36	155	60	95	72	32	SOMT11T308	M3.5	T10	
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-C32-13	42	182	70	112	84	40	SOMT130408	M4.0	T15	
SO43-2D-C32-13	43	184	70	114	86	40	SOMT130408	M4.0	T15	
SO44-2D-C32-15	44	193	70	123	88	40	SOMT150510	M5.0	T20	
SO45-2D-C32-15	45	195	70	125	90	40	SOMT150510	M5.0	T20	
SO46-2D-C32-15	46	197	70	127	92	40	SOMT150510	M5.0	T20	
SO47-2D-C32-15	47	199	70	129	94	40	SOMT150510	M5.0	T20	
SO48-2D-C32-15	48	201	70	131	96	40	SOMT150510	M5.0	T20	
SO49-2D-C32-15	49	203	70	133	98	40	SOMT150510	M5.0	T20	
SO50-2D-C32-15	50	205	70	135	100	40	SOMT150510	M5.0	T20	

SO钻头

SO Drill

公差：0~±0.15mm





Dx3

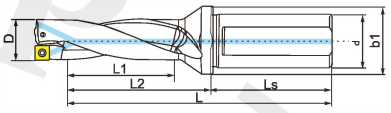
型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SO12-3D-C20-04	12	106	50	56	36	20	SOMT040204	M1.8	T6	
SO12.5-3D-C20-04	12.5	109	50	59	37.5	20	SOMT040204	M1.8	T6	
SO13-3D-C20-04	13	109	50	59	39	20	SOMT040204	M1.8	T6	
SO13.5-3D-C20-04	13.5	110	50	60	40.5	20	SOMT040204	M1.8	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	T7	
SO23-3D-C25-08	23	147	56	91	69	25	SOMT08T306	M2.5	T7	
SO23.5-3D-C25-08	23.5	150	56	94	70.5	25	SOMT08T306	M2.5	T7	
SO24-3D-C25-08	24	150	56	94	72	25	SOMT08T306	M2.5	T7	
SO24.5-3D-C25-08	24.5	153	56	97	73.5	25	SOMT08T306	M2.5	T7	
SO25-3D-C32-08	25	153	56	97	75	32	SOMT08T306	M2.5	T7	
SO25.5-3D-C32-08	25.5	159	60	99	76.5	32	SOMT08T306	M2.5	T7	
SO26-3D-C32-08	26	159	60	99	78	32	SOMT08T306	M2.5	T7	
SO26.5-3D-C32-09	26.5	164	60	104	79.5	32	SOMT09T308	M3.5	T10	
SO27-3D-C32-09	27	164	60	104	81	32	SOMT09T308	M3.5	T10	
SO27.5-3D-C32-09	27.5	167	60	107	82.5	32	SOMT09T308	M3.5	T10	
SO28-3D-C32-09	28	167	60	107	84	32	SOMT09T308	M3.5	T10	
SO28.5-3D-C32-09	28.5	170	60	110	85.5	32	SOMT09T308	M3.5	T10	
SO29-3D-C32-09	29	170	60	110	87	32	SOMT09T308	M3.5	T10	
SO29.5-3D-C32-09	29.5	173	60	113	88.5	32	SOMT09T308	M3.5	T10	
SO30-3D-C32-09	30	173	60	113	90	32	SOMT09T308	M3.5	T10	
SO30.5-3D-C32-09	30.5	176	60	116	91.5	32	SOMT09T308	M3.5	T10	
SO31-3D-C32-09	31	176	60	116	93	32	SOMT09T308	M3.5	T10	
SO32-3D-C32-11	32	179	60	119	96	32	SOMT11T308	M3.5	T10	
SO33-3D-C32-11	33	182	60	122	99	32	SOMT11T308	M3.5	T10	
SO34-3D-C32-11	34	185	60	125	102	32	SOMT11T308	M3.5	T10	
SO35-3D-C32-11	35	188	60	128	105	32	SOMT11T308	M3.5	T10	
SO36-3D-C32-11	36	191	60	131	108	32	SOMT11T308	M3.5	T10	
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-C32-13	42	224	70	154	126	40	SOMT130408	M4.0	T15	
SO43-3D-C32-13	43	227	70	157	129	40	SOMT130408	M4.0	T15	
SO44-3D-C32-15	44	237	70	167	132	40	SOMT150510	M5.0	T20	
SO45-3D-C32-15	45	240	70	170	135	40	SOMT150510	M5.0	T20	
SO46-3D-C32-15	46	243	70	173	138	40	SOMT150510	M5.0	T20	
SO47-3D-C32-15	47	246	70	176	141	40	SOMT150510	M5.0	T20	
SO48-3D-C32-15	48	249	70	179	144	40	SOMT150510	M5.0	T20	
SO49-3D-C32-15	49	252	70	182	147	40	SOMT150510	M5.0	T20	
SO50-3D-C32-15	50	250	70	180	150	40	SOMT150510	M5.0	T20	

SO钻头

SO Drill

公差：0~±0.15mm





Dx4

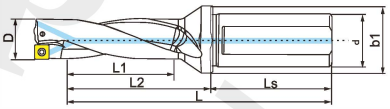
型 号 Cat.No	尺 寸 (mm)						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SO12-4D-C20-04	12	118	50	68	48	20	SOMT040204	M1.8	T6	
SO12.5-4D-C20-04	12.5	122	50	72	50	20	SOMT040204	M1.8	T6	
SO13-4D-C20-04	13	122	50	72	52	20	SOMT040204	M1.8	T6	
SO13.5-4D-C20-04	13.5	124	50	74	54	20	SOMT040204	M1.8	T6	
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	T7	
SO23-4D-C25-08	23	170	56	114	92	25	SOMT08T306	M2.5	T7	
SO23.5-4D-C25-08	23.5	174	56	118	94	25	SOMT08T306	M2.5	T7	
SO24-4D-C25-08	24	174	56	118	96	25	SOMT08T306	M2.5	T7	
SO24.5-4D-C25-08	24.5	178	56	122	98	25	SOMT08T306	M2.5	T7	
SO25-4D-C32-08	25	178	56	122	100	32	SOMT08T306	M2.5	T7	
SO25.5-4D-C32-08	25.5	185	60	125	102	32	SOMT08T306	M2.5	T7	
SO26-4D-C32-08	26	185	60	125	104	32	SOMT08T306	M2.5	T7	
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-C32-13	42	266	70	196	168	40	SOMT130408	M4.0	T15	
SO43-4D-C32-13	43	270	70	200	172	40	SOMT130408	M4.0	T15	
SO44-4D-C32-15	44	281	70	211	176	40	SOMT150510	M5.0	T20	
SO45-4D-C32-15	45	285	70	215	180	40	SOMT150510	M5.0	T20	
SO46-4D-C32-15	46	289	70	219	184	40	SOMT150510	M5.0	T20	
SO47-4D-C32-15	47	293	70	223	188	40	SOMT150510	M5.0	T20	
SO48-4D-C32-15	48	297	70	227	192	40	SOMT150510	M5.0	T20	
SO49-4D-C32-15	49	301	70	231	196	40	SOMT150510	M5.0	T20	
SO50-4D-C32-15	50	305	70	235	200	40	SOMT150510	M5.0	T20	

SO钻头

SO Drill

公差：0~±0.15mm





Dx5

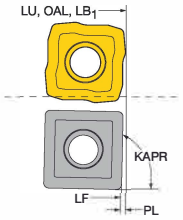
型 号 Cat.No	尺 寸 （mm）						刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d				
SO12-5D-C20-04	12	130	50	80	60	20	SOMT040204	M1.8	T6	
SO12.5-5D-C20-04	12.5	135	50	85	62.5	20	SOMT040204	M1.8	T6	
SO13-5D-C20-04	13	135	50	85	65	20	SOMT040204	M1.8	T6	
SO13.5-5D-C20-04	13.5	138	50	88	67.5	20	SOMT040204	M1.8	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	T7	
SO23-5D-C25-08	23	193	56	137	115	25	SOMT08T306	M2.5	T7	
SO23.5-5D-C25-08	23.5	198	56	142	117.5	25	SOMT08T306	M2.5	T7	
SO24-5D-C25-08	24	198	56	142	120	25	SOMT08T306	M2.5	T7	
SO24.5-5D-C25-08	24.5	203	56	147	122.5	25	SOMT08T306	M2.5	T7	
SO25-5D-C32-08	25	203	56	147	125	32	SOMT08T306	M2.5	T7	
SO25.5-5D-C32-08	25.5	211	60	151	127.5	32	SOMT08T306	M2.5	T7	
SO26-5D-C32-08	26	211	60	151	130	32	SOMT08T306	M2.5	T7	
SO26.5-5D-C32-09	26.5	218	60	158	132.5	32	SOMT09T308	M3.5	T10	
SO27-5D-C32-09	27	218	60	158	135	32	SOMT09T308	M3.5	T10	
SO27.5-5D-C32-09	27.5	223	60	163	137.5	32	SOMT09T308	M3.5	T10	
SO28-5D-C32-09	28	223	60	163	140	32	SOMT09T308	M3.5	T10	
SO28.5-5D-C32-09	28.5	228	60	168	142.5	32	SOMT09T308	M3.5	T10	
SO29-5D-C32-09	29	228	60	168	145	32	SOMT09T308	M3.5	T10	
SO29.5-5D-C32-09	29.5	233	60	173	147.5	32	SOMT09T308	M3.5	T10	
SO30-5D-C32-09	30	233	60	173	150	32	SOMT09T308	M3.5	T10	
SO30.5-5D-C32-09	30.5	238	60	178	152.5	32	SOMT09T308	M3.5	T10	
SO31-5D-C32-09	31	238	60	178	155	32	SOMT09T308	M3.5	T10	
SO32-5D-C32-11	32	243	60	183	160	32	SOMT11T308	M3.5	T10	
SO33-5D-C32-11	33	248	60	188	165	32	SOMT11T308	M3.5	T10	
SO34-5D-C32-11	34	253	60	193	170	32	SOMT11T308	M3.5	T10	
SO35-5D-C32-11	35	258	60	198	175	32	SOMT11T308	M3.5	T10	
SO36-5D-C32-11	36	263	60	203	180	32	SOMT11T308	M3.5	T10	
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-C32-13	42	308	70	238	210	40	SOMT130408	M4.0	T15	
SO43-5D-C32-13	43	313	70	243	215	40	SOMT130408	M4.0	T15	
SO44-5D-C32-15	44	325	70	255	220	40	SOMT150510	M5.0	T20	
SO45-5D-C32-15	45	330	70	260	225	40	SOMT150510	M5.0	T20	
SO46-5D-C32-15	46	335	70	265	230	40	SOMT150510	M5.0	T20	
SO47-5D-C32-15	47	340	70	270	235	40	SOMT150510	M5.0	T20	
SO48-5D-C32-15	48	345	70	275	240	40	SOMT150510	M5.0	T20	
SO49-5D-C32-15	49	350	70	280	245	40	SOMT150510	M5.0	T20	
SO50-5D-C32-15	50	355	70	285	250	40	SOMT150510	M5.0	T20	

880刀片系列

880 Insert series

内刃刀片



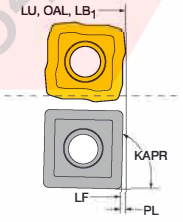


- 通用加工

型号 Cat.No	尺寸（mm）				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





- 通用加工

型号 Cat.No	尺寸（mm）				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

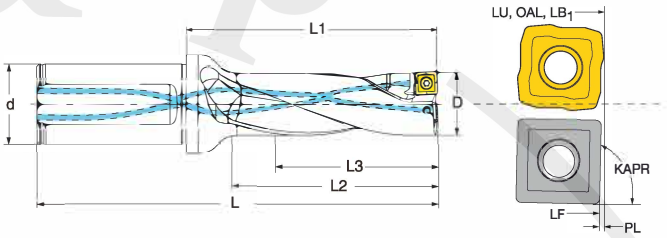
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880系列 快速钻头 3倍长

880 Insert fast drill bit

公差：0~ ± 0.15mm





Dx3

型 号 Cat.No	尺 寸 （mm）						内刃刀片 Insert	外刃刀片 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						

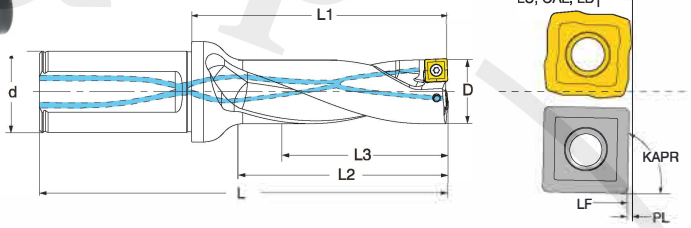
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880系列 快速钻头 3倍长

880 Insert fast drill bit

公差：0~ ± 0.15mm



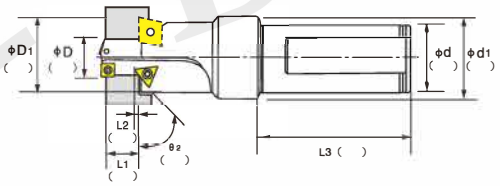


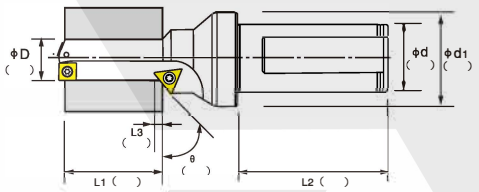
Dx3

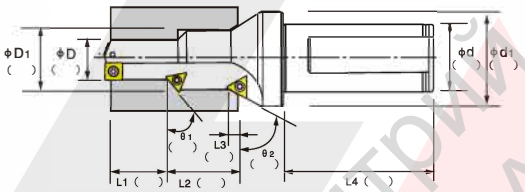
型 号 Cat.No	尺 寸 （mm）						内刃刀片 Insert	外刃刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Kg
	D	L	L1	L2	L3	d					
880–30–3D–C32	30	185	125	95	90	32	880–060406N	880–060406E	M3.5x8	T15	
880–30.5–3D–C32	30.5	186.5	126.5	96.5	91.5						
880–31–3D–C32	31	188	128	98	93						
880–31.5–3D–C32	31.5	189.5	129.5	99.5	94.5						
880–32–3D–C32	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						

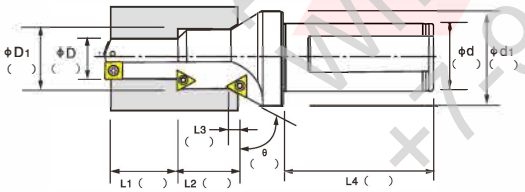
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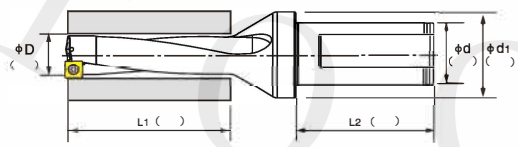
特殊钻头地订货单











冷却系统

- 内冷型（标准型）
- Through coolant Non Plug Type
- 没有内冷

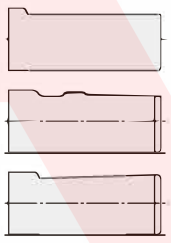


钻孔类型

- 盲孔
- 通孔

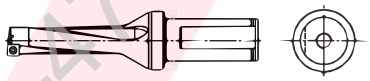
刀柄类型

- 平面型
- 韦尔登型
- 惠氏哨口型

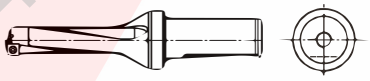


侧固平面类型

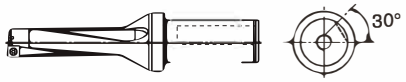
- 外周切削到平行 标准型



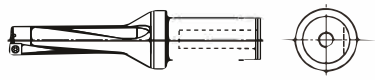
- 和外周切削刃成90°（标准型）



- 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：

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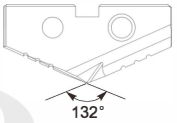
铲钻刀片-高速钢TiN涂层

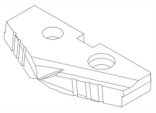
Hss insert+Tin

合金TiN涂层

Carbide insert+Tin







Y,Z,O系列尺寸

系列号 最小~最大 (mm/inch)	直径 英制 (inch)	直径 公制 (mm)	直径 十进制 (inch)	厚度 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 (mm/inch)	直径 英制 (inch)	直径 公制 (mm)	直径 十进制 (inch)	厚度 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"	

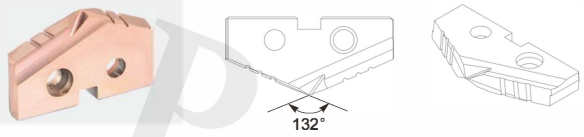
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Hss insert+Tin

合金TiN涂层

Carbide insert+Tin



3 系列尺寸

系列号 最小~最大 (mm/inch)	直径			厚度
	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 (mm/inch)	直径			厚度
	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"	

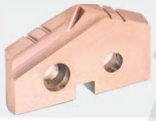
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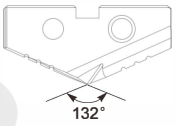
铲钻刀片-高速钢TiN涂层

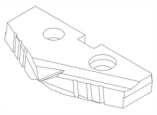
Hss insert+Tin

合金TiN涂层

Carbide insert+Tin







5,6 系列尺寸

系列号 最小~最大 (mm/inch)	直径 英制 (inch)	直径 公制 (mm)	直径 十进制 (inch)	厚度 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"	11.1 (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 (mm/inch)	直径 英制 (inch)	直径 公制 (mm)	直径 十进制 (inch)	厚度 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"	

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CR铲钻切削数据参考表



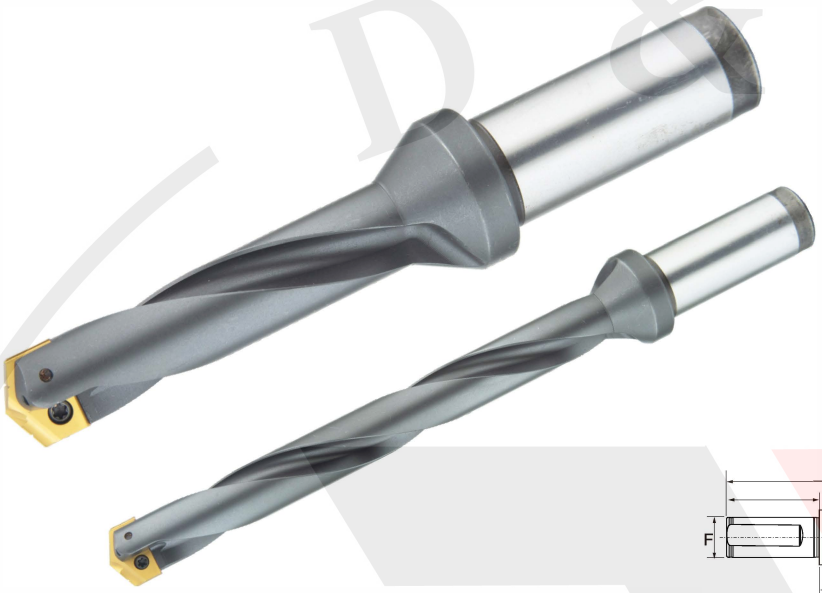



TiN　TiCN　TiALN　ALTiN

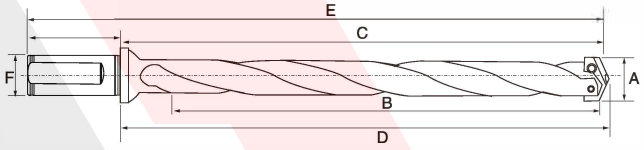
	公制 (mm)	HSS (M4) 高速钢	SUPER-HSS (T-15) 粉末高速钢	CARBIDE (合金)	HSS (M4) 高速钢	SUPER-HSS (T-15) 粉末高速钢	CARBIDE (合金)	HSS (M4)	SUPER-HSS (T-15)	CARBIDE (合金)	HSS (M4)	SUPER-HSS (T-15)	CARBIDE (合金)
Y	9.5		T15-095	CR-095		T15C-095	CRC-095		T15A-095	CRA-095		T15i-095	CRi-095
	10.00		T15-100	CR-100		T15C-100	CRC-100		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
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	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	
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	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	
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	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		

螺旋槽侧固式螺旋刃铲钻

Fast drill bit side fixed helical edge drill





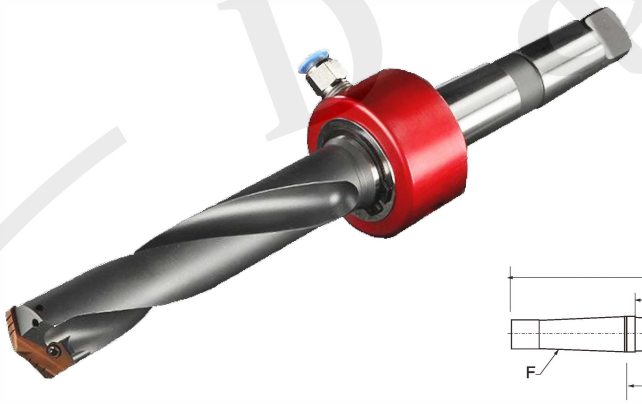


刀片系列 Insert Series	型号 Cat.No	A刀片范围 Insert range	B最大钻深 Max.drilling length	F柄径 shank size	螺钉 Screw	扳手 Wrench	重量 Kg
Z	CR11.5~12.5–C20–50L	11.5~12.5	50L	20	M2.2	T7	
	CR11.5~12.5–C20–100L		100L				
0	CR13~17.5–C20–70L	13~17.5	70L	20	M2.5	T8	
	CR13~17.5–C20–100L		100L				
	CR13~17.5–C20–150L		150L				
	CR15.5~17.5–C20–70L	15.5~17.5	70L				
	CR15.5~17.5–C20–100L		100L				
	CR15.5~17.5–C20–150L		150L				
	CR15.5~17.5–C20–200L		200L				
1	CR18~24–C25–150L	18~24	150L	25	M3.0	T9	
	CR18~24–C25–200L		200L				
	CR18~24–C25–250L		250L				
	CR18~24–C25–300L		300L				
	CR22~24–C25–150L	22~24	150L	25	M3.0	T9	
	CR22~24–C25–200L		200L				
	CR22~24–C25–250L		250L				
	CR22~24–C25–300L		300L				
2	CR25~35–C32–150L	25~35	150L	32	M3.5	T15	
	CR25~35–C32–200L		200L				
	CR25~35–C32–250L		250L				
	CR25~35–C32–300L		300L				
	CR30~35–C32–200L	30~35	200L	32	M3.5	T15	
	CR30~35–C32–250L		250L				
	CR30~35–C32–300L		300L				
	CR30~35–C32–350L		350L				
3	CR36~47–C40–250L	36~47	250L	40	M5.0	T20	
	CR36~47–C40–300L		300L				
	CR36~47–C40–350L		350L				
	CR36~47–C40–400L		400L				
4	CR48~65–C40–250L	48~65	250L	40	M5.0	T20	
	CR48~65–C40–300L		300L				
	CR48~65–C40–350L		350L				
	CR48~65–C40–400L		400L				
	CR48~65–C40–450L		450L				

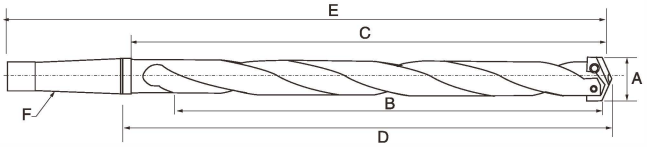
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螺旋槽斜柄式螺旋刃铲钻

Inclined handle spiral edge drill







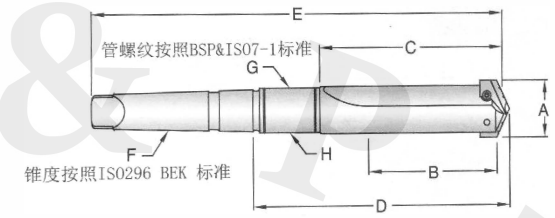
刀片系列 Insert Series	型号 Cat.No	A刀片范围 Insert range	B最大钻深 Max.drilling length	F柄径 shank size	螺钉 Screw	扳手 Wrench	注水油环 Water injection ring	重量 Kg
Z	CR11.5~12.5–MTA3–50L	11.5~12.5	50L	MTA3	M2.2	T7	RCA2	
	CR11.5~12.5–MTA3–100L		100L					
0	CR13~17.5–MTA3–70L	13~17.5	70L	MTA3	M2.5	T8	RCA2	
	CR13~17.5–MTA3–100L		100L					
	CR13~17.5–MTA3–150L		150L					
	CR15.5~17.5–MTA3–70L	15.5~17.5	70L					
	CR15.5~17.5–MTA3–100L		100L					
	CR15.5~17.5–MTA3–150L		150L					
	CR15.5~17.5–MTA3–200L		200L					
1	CR18~24–MTA4–150L	18~24	150L	MTA4	M3.0	T10	RCA2	
	CR18~24–MTA4–200L		200L					
	CR18~24–MTA4–250L		250L					
	CR18~24–MTA4–300L		300L					
	CR22~24–MTA4–150L	22~24	150L	MTA4	M3.0	T10	RCA3	
	CR22~24–MTA4–200L		200L					
	CR22~24–MTA4–250L		250L					
	CR22~24–MTA4–300L		300L					
2	CR25~35–MTA4–150L	25~35	150L	MTA4	M3.5	T15	RCA4	
	CR25~35–MTA4–200L		200L					
	CR25~35–MTA4–250L		250L					
	CR25~35–MTA4–300L		300L					
	CR30~35–MTA4–200L	30~35	200L	MTA4	M3.5	T15	RCA4	
	CR30~35–MTA4–250L		250L					
	CR30~35–MTA4–300L		300L					
	CR30~35–MTA4–350L		350L					
3	CR36~47–MTA4–250L	36~47	250L	MTA4	M5.0	T20	RCA4	
	CR36~47–MTA4–300L		300L					
	CR36~47–MTA4–350L		350L					
	CR36~47–MTA4–400L		400L					
4	CR48~65–MTA5–250L	48~65	250L	MTA5	M5.0	T20	RCA5	
	CR48~65–MTA5–300L		300L					
	CR48~65–MTA5–350L		350L					
	CR48~65–MTA5–400L		400L					
	CR48~65–MTA5–450L		450L					
5	CR64~88–MTA5–300L	64~88	300L	MTA5	M6.0	T25	RCA5	
	CR64~88–MTA5–350L		350L					
	CR64~88–MTA5–400L		400L					
	CR64~88–MTA5–450L		450L					
7	CR90~114–MTA5–400L	90~114	400L	MTA5	M6.0	T25	RCA5	
	CR90~114–MTA5–500L		500L					
	CR90~114–MTA5–600L		600L					

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锥柄铲钻刀杆

Morse taper shank helical flute drills

短型直槽

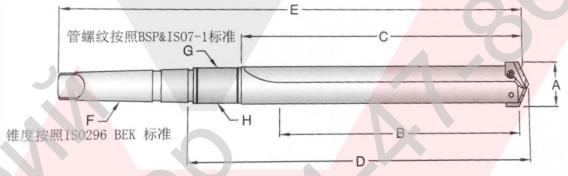


系列号	A	B	C	D	E	F	G	H
	刀片直径范围	最大钻孔深度	排屑槽长度	参考长度	全长	莫氏锥度代号	锥管螺纹	冷却液导流环
Y	9.50~11.0	31.8	51.5	88.0	160.3	#2	1/16"	PR120190
Z	11.5~12.5	31.8	51.5	88.0	160.3	#2	1/16"	PR120190
0	13.0~17.5	35.0	55.5	92.4	164.3	#2	1/16"	PR120190
0.5	15.5 ~ 17.5	35.0	55.5	92.4	164.3	#2	1/16"	PR120190
1	18.0 ~ 24.0	69.8	98.4	142.5	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

Morse taper shank helical flute drills

特长型直槽

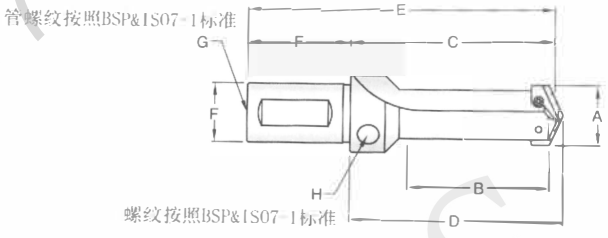


系列号	A	B	C	D	E	F	G	H
	刀片直径范围	最大钻孔深度	排屑槽长度	参考长度	全长	莫氏锥度代号	锥管螺纹	冷却液导流环
3	36.0~47.0	349.3	381.0	435.0	547.7	#4	1/4"	PR120317
4	48.0 ~ 65.0	422.3	457.2	511.2	655.6	#5	1/4"	PR120444
5	64.0~88.0	463.6	508.0	579.4	722.3	#5	1/2"	PR120571
7	90.0 ~ 114.0	555.6	609.6	681.1	823.9	#5	1/2"	PR120571

直柄铲钻刀杆

Morse taper shank helical flute drills

超短型直槽



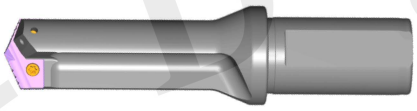
系列号	A	B	C	D	E	F 柄部		G	H
	刀片直径范围	最大钻孔深度	排屑槽长度	参考长度	全长	直径	长度	管螺纹后面	管螺纹侧面
Y	9.50~11.0	19.1	47.6	50.0	89.5	16.0	41.9	1/16"	1/8"
Z	11.5~12.5	19.1	47.6	50.0	89.5	16.0	41.9	1/16"	1/8"
0	13.0~17.5	22.2	47.6	50.4	89.5	20.0	41.9	1/8"	1/8"
0.5	15.5 ~ 17.5	22.2	47.6	50.4	89.5	20.0	41.9	1/8"	1/8"
1	18.0 ~ 24.0	47.6	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"

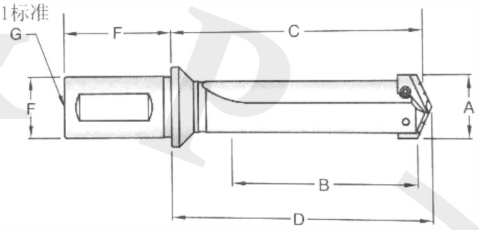
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直柄柄铲钻刀杆

Morse taper shank helical flute drills

短型直槽

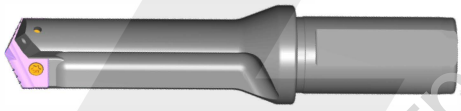


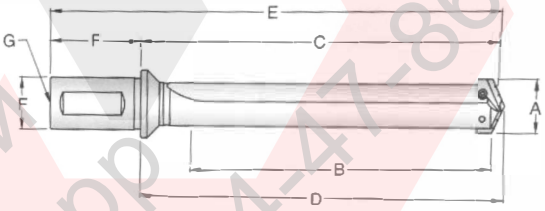


系列号	A	B	C	D	E	F 柄部		G
	刀片直径范围	最大钻孔深度	排屑槽长度	参考长度	全长	直径	长度	管螺纹
Y	9.50~11.0	31.8	61.1	63.5	103.0	20.0	41.9	1/16"
Z	11.5~12.5	31.8	61.1	63.5	103.0	20.0	41.9	1/16"
0	13.0~17.5	34.9	63.5	66.3	105.4	20.0	41.9	1/8"
0.5	15.5 ~ 17.5	34.9	63.5	66.3	105.4	20.0	41.9	1/8"
1	18.0 ~ 24.0	66.7	107.2	110.7	160.2	25.0	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"

直柄柄铲钻刀杆

特长型直槽

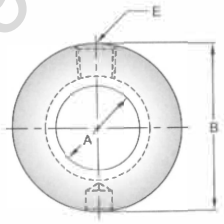


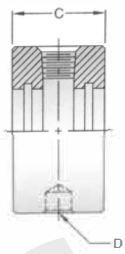


系列号	A	B	C	D	E	F 柄部		G
	刀片直径范围	最大钻孔深度	排屑槽长度	参考长度	全长	直径	长度	管螺纹
3	36.0~47.0	349.3	401.6	406.4	471.7	40.0	70.1	1/4"
4	48.0 ~ 65.0	422.3	471.5	476.3	541.6	40.0	70.1	1/4"

刀杆配件

冷却液导流环（RCI）与配件





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
PR120190	19.05	44.45	22.23	M8X1.25	1/8"
PR120254	25.40	53.97	28.57	M8X1.25	1/8"
PR120317	31.75	63.50	34.92	M10X1.5	1/4"
PR120444	44.45	76.20	34.92	M10X1.5	1/4"
PR120571	57.15	95.27	44.45	M12X1.75	1/2"

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铲钻刀杆非标定制卡

Non-standard holder custom made

□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

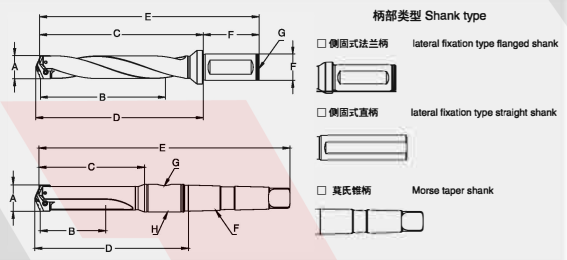
冷却方式 Cooling

□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



柄部类型 Shank type

□ 侧固式法兰柄　lateral fixation type flanged shank

□ 侧固式直柄　lateral fixation type straight shank

□ 莫氏锥柄　Morse taper shank

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 holder custom made

□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:

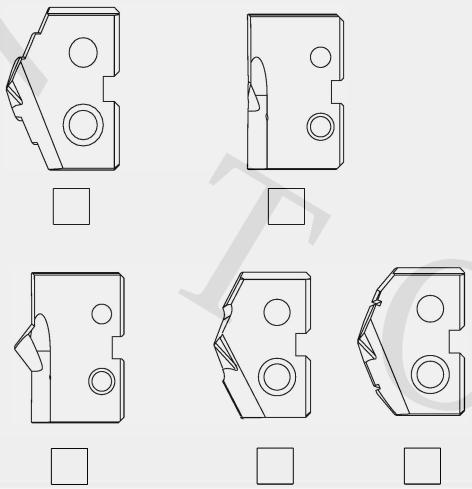
地址/Add:　　电子邮件/E-mail:

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.

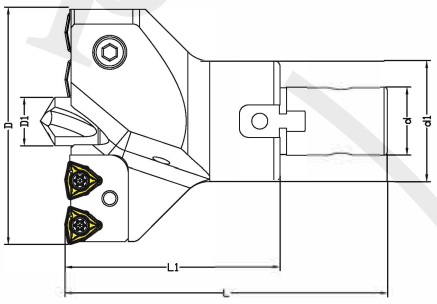
签名 SIGATURE:　　日期DATE:

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VMC大钻头

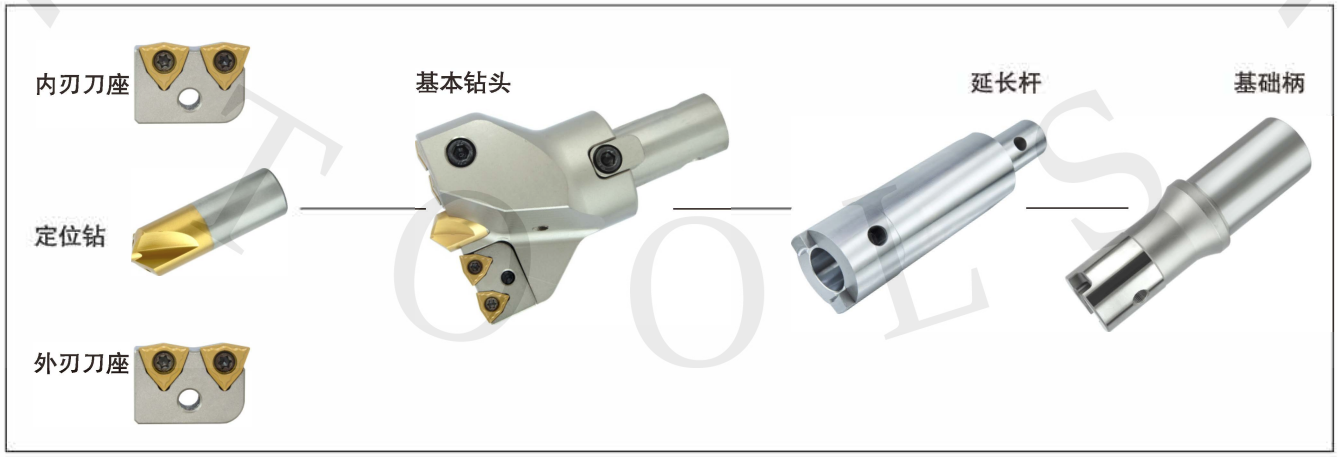
VMC Drill





MX MODULAR SHANK Type

型号 Cat.No	尺寸（mm） D	d2	D1	L1	L	钻头 Pilot drill	刀座 Cartridge	刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
VMC-045050-13	45~50	13	28	50	85	PLD-1035 TiN-H	VMC-045050N/E	WC..030204	M2.5x5	T8	
VMC-050055-13	50~55	13	28	50	85		VMC-050055N/E				
VMC-055060-16	55~60	16	32	60	100		VMC-055060N/E	WC..040204	M2.5x6		
VMC-060065-16	60~65	16	32	60	100	PLD-1238 TiN-H	VMC-060065N/E	WC..050308	M3.0x7	T10	
VMC-065070-16	65~70	16	32	60	100		VMC-065070N/E				
VMC-070075-22	70~75	22	40	60	115		VMC-070075N/E				
VMC-075080-22	75~80	22	40	70	115	PLD-1645 TiN-H	VMC-075080N/E	WC..06T308	M3.5x8	T15	
VMC-080085-22	80~85	22	40	70	115		VMC-080085N/E				
VMC-085090-27	85~90	27	48	70	120		VMC-085090N/E				
VMC-090095-27	90~95	27	48	70	120		VMC-090095N/E				
VMC-095100-27	95~100	27	48	70	120		VMC-095100N/E				
VMC-100105-32	100~105	32	58	80	130		VMC-100105N/E	WC..050308	M3.0x7	T10	
VMC-105110-32	105~110	32	58	80	130	PLD-2045 TiN-H	VMC-105110N/E	WC..06T308	M3.5x8	T15	
VMC-110115-32	110~115	32	58	80	130		VMC-110115N/E				
VMC-115120-40	115~120	40	70	90	145		VMC-115120N/E				
VMC-120125-40	120~125	40	70	90	145		VMC-120125N/E				
VMC-125130-40	125~130	40	70	90	145		VMC-125130N/E				
VMC-130135-40	130~135	40	70	90	145	PLD-2556 TiN-H	VMC-130135N/E				
VMC-135140-40	135~140	40	70	90	145		VMC-135140N/E				
VMC-140150-50	140~150	50	80	100	160	PLD-3068 TiN-H	VMC-140150N/E	WC..080408	M4.0x10	T15	
VMC-150160-50	150~160	50	80	100	160		VMC-150160N/E				
VMC-160170-50	160~170	50	80	100	160		VMC-160170N/E				
VMC-170180-50	170~180	50	80	100	160		VMC-170180N/E				

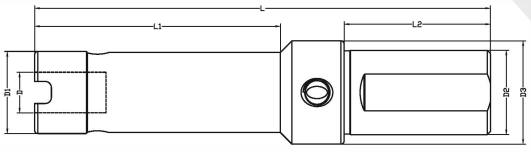


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VMC连接刀杆

VMC connecting cutter bar





型号 Cat.No	尺寸（mm）						连接螺钉 Connecting screw	定位销 Drive ring	重量 Kg
	d1	d2	L	L1	D	L2			
VMC13-115	32	13	115	80	28	70	M8	WET-281310	
VMC13-200		13	200	165	28				
VMC13-300		13	300	265	28				
VMC13-400		13	400	365	28			WET-321610	
VMC13-500		13	500	465	28				
VMC16-125	40	16	125	86	32	80	M10	WET-402212	
VMC16-200		16	200	161	32				
VMC16-300		16	300	261	32				
VMC16-400		16	400	365	32				
VMC16-500		16	500	465	32		M12	WET-482712	
VMC22-148		22	148	109	40				
VMC22-200		22	200	161	40				
VMC22-300		22	300	261	40				
VMC22-400		22	400	361	40				
VMC22-500		22	500	461	40				
VMC27-168		27	168	133	48				
VMC27-300		27	300	265	48				
VMC27-400		27	400	365	48			WET-583214	
VMC27-500		27	500	465	48				
VMC32-186		32	186	151	58				
VMC32-300		32	300	265	58				
VMC32-400		32	400	365	58				
VMC32-500		32	500	465	58				
VMC40-186	50	40	186	151	70		M16	WET-704014	
VMC40-300		40	300	265	70				
VMC40-400		40	400	365	70				
VMC40-500		40	500	465	70			WET-805016	
VMC50-184		50	184	149	80				
VMC50-300		50	300	265	80				
VMC50-400		50	400	365	80				
VMC50-500		50	500	465	80				

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刀片座
Insert Seat



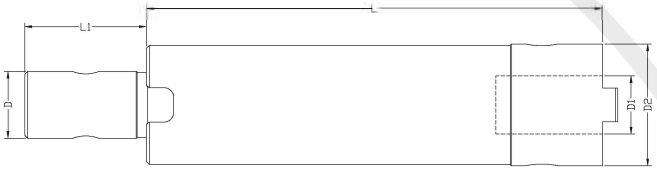
直 径 Diameter	内刃刀片座 Inner blade holder	外刃刀片座 Outer blade holder	刀 片 Insert	每个刀片座刀片数 No.of Insert	螺 钉 Screw	Driver
45~50	VMC-045050N	VMC-045050E	WC..030204	2	M2.5x5	T8
50~55	VMC-050055N	VMC-050055E				
55~60	VMC-055060N	VMC-055060E	WC..040204	2	M2.5x6	
60~65	VMC-060065N	VMC-060065E	WC..050308	2	M3.0x7	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				

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VMC加长杆

VMC Drill





型号 Cat.No	尺寸（mm）					连接螺钉 Connecting screw	定位销 Drive ring	重量 Kg
	D	D1	D2	L1	L			
VMC13-13-100L	13	13	28		100	M8	WET-281310	
VMC13-13-200L	13	13	28		200	M8	WET-281310	
VMC13-13-300L	13	13	28		300	M8	WET-281310	
VMC16-16-100L	16	16	32		100	M8	WET-321610	
VMC16-16-200L	16	16	32		200	M8	WET-321610	
VMC16-16-300L	16	16	32		300	M8	WET-321610	
VMC22-22-100L	22	22	40		100	M10	WET-402212	
VMC22-22-200L	22	22	40		200	M10	WET-402212	
VMC22-22-300L	22	22	40		300	M10	WET-402212	
VMC22-22-400L	22	22	40		400	M10	WET-402212	
VMC27-27-100L	27	27	48		100	M12	WET-482712	
VMC27-27-200L	27	27	48		200	M12	WET-482712	
VMC27-27-300L	27	27	48		300	M12	WET-482712	
VMC27-27-400L	27	27	48		400	M12	WET-482712	
VMC32-32-100L	32	32	58		100	M12	WET-583214	
VMC32-32-200L	32	32	58		200	M12	WET-583214	
VMC32-32-300L	32	32	58		300	M12	WET-583214	
VMC32-32-400L	32	32	58		400	M12	WET-583214	
VMC40-40-100L	40	40	70		100	M16	WET-704014	
VMC40-40-200L	40	40	70		200	M16	WET-704014	
VMC40-40-300L	40	40	70		300	M16	WET-704014	
VMC40-40-400L	40	40	70		400	M16	WET-704014	
VMC50-50-100L	50	50	80		100	M16	WET-805016	
VMC50-50-200L	50	50	80		200	M16	WET-805016	
VMC50-50-300L	50	50	80		300	M16	WET-805016	
VMC50-50-400L	50	50	80		400	M16	WET-805016	

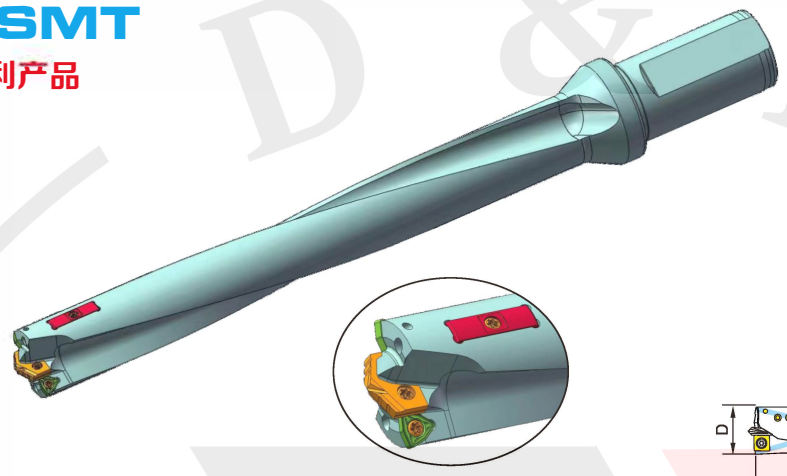
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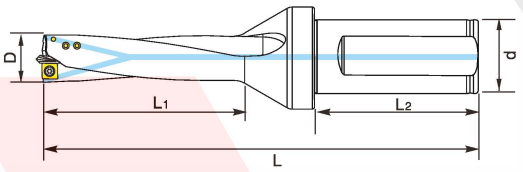
VSS自定心钻头

VSS Centering bit

SSMT

专利产品





Dx8

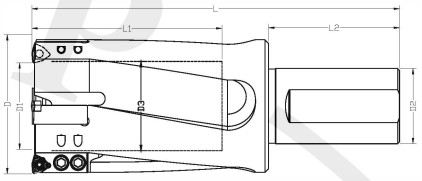
型号 Cat.No	尺寸（mm） D	L1	L	d	L2	刀片 Insert	刀片螺钉 Insert Screw	扳手 Wrench	钻头 Pilot drill
SP18-8D-C25-H06	18.0	149	235	25	56	SSMT050204	M2.0x5	T6	HSS-0620 Tin
SP18.5-8D-C25-H06	18.5	153	239						
SP19-8D-C25-H06	19.0	157	243						
SP19.5-8D-C25-H06	19.5	161	247						
SP20-8D-C25-H06	20.0	165	251			SSMT060204	M2.2x5		
SP20.5-8D-C25-H06	20.5	169	255						
SP21-8D-C25-H06	21.0	173	259						
SP21.5-8D-C25-H06	21.5	177	263						
SP22-8D-C25-H06	22.0	181	267						
SP22.5-8D-C25-H06	22.5	185	271						
SP23-8D-C25-H06	23.0	189	275						
SP23.5-8D-C25-H06	23.5	193	279						
SP24-8D-C25-H06	24.0	197	283						
SP24.5-8D-C25-H06	24.5	201	287						
SP25-8D-C25-H06	25.0	205	291						
SP25.5-8D-C32-H08	25.5	209	304	32	60	SSMT07T308	M2.5x8	T8	HSS-0825 Tin
SP26-8D-C32-H08	26.0	213	308						
SP26.5-8D-C32-H08	26.5	217	312						
SP27-8D-C32-H08	27.0	221	316						
SP27.5-8D-C32-H08	27.5	225	320						
SP28-8D-C32-H08	28.0	229	324						
SP28.5-8D-C32-H08	28.5	233	328						
SP29-8D-C32-H08	29.0	237	332						
SP29.5-8D-C32-H08	29.5	241	336						
SP30-8D-C32-H08	30.0	245	340						

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侧固式C40/50快速留芯钻

Side fixed C40/50 fast core drill





中心给水型搭配舍弃式刀片

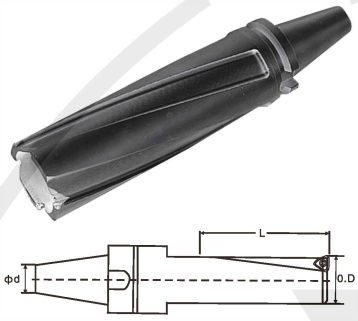
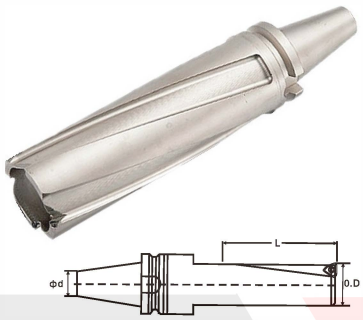
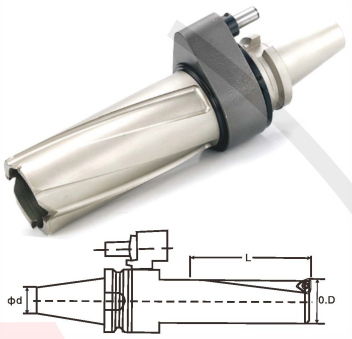
Central feed type collocation abandon type blade

有效加工长 Drill Length L:200mm	外径 O.D.	内径 I.D.	柄径 d	刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
38–50L–C50	38	20	32	WCMT 04 02 08	M2.5x6	T8	
40–50L–C50	40	14	40				
45–50L–C50	45	19	40				
50–50L–C50	50	24	50	WCMT 05 03 08	M3.0x7	T10	
55–50L–C50	55	29	50				
60–50L–C50	60	34	50				
65–50L–C50	65	39	50				
70–50L–C50	70	44	50				
75–50L–C50	75	49	50				
80–5OL–C50	80	54	50				
85–50L–C50	85	59	50				
90–50L–C50	90	64	50				
95–50L–C50	95	69	50				
100–50L–C50	100	74	50				
50–100L–C50	50	24	50				
55–100L–C50	55	29	50				
60–100L–C50	60	34	50				
65–100L–C50	65	39	50				
70–100L–C50	70	44	50				
75–100L–C50	75	49	50				
80–100L–C50	80	54	50				
85–100L–C50	85	59	50				
90–100L–C50	90	64	50				
95–100L–C50	95	69	50				
100–100L–C50	100	74	50				
50–150L–C50	50	24	50				
55–150L–C50	50	29	50				
60–150L–C50	50	34	50				
65–150L–C50	50	39	50				
70–150L–C50	50	44	50				
75–150L–C50	50	49	50				
80–150L–C50	50	54	50				
85–150L–C50	50	59	50				
90–150L–C50	50	64	50				
95–150L–C50	50	69	50				
100–150L–C50	50	74	50				

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LWC留心钻头

LWC mindful bit

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 A type of oil
		

有效加工长 Drill Length L:200mm	重量 Kg	有效加工长 Drill Length L:200mm	重量 Kg	外径 O.D.	内径 I.D.	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			

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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

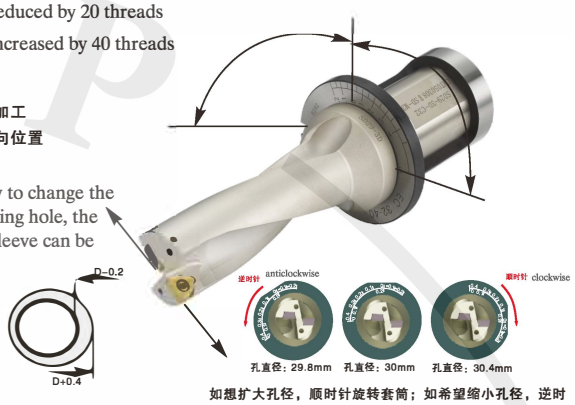
+可以调大40丝 +Can be increased by 40 threads

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



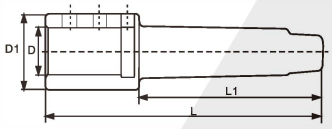
如想扩大孔径，顺时针旋转套筒；如希望缩小孔径，逆时针旋转套筒，具体如下：钻头直径：30mm

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

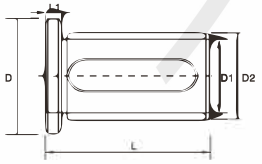


型号 Cat.No
MTA4–OSM25
MTA4–OSM32
MTA4–OSM40
MTA5–OSM25
MTA5–OSM32
MTA5–OSM40

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

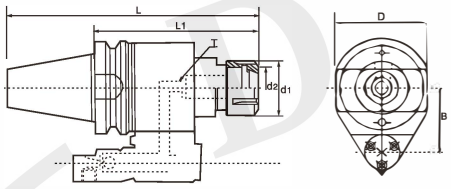
Variable diameter selection for oil circuit tool holders

High concentricity, versatile handle, and cost saving

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ERO 油路刀把

ERO oil knife handle

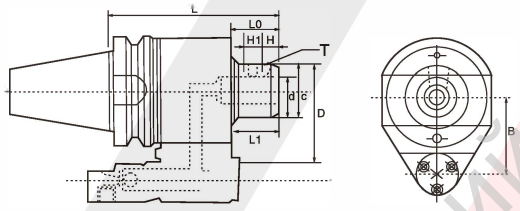


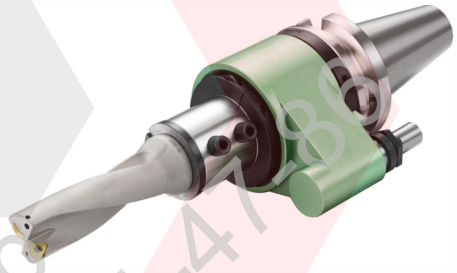


型号 Cat.No	尺寸（mm）					B	T	重量 Weight (KG)
	L1	L	D	d1	d2			
BT40-ERO16-165	165	225.4	82	28	16	65	M10	3.80
BT40-ERO20-165				34	20		M12	4.10
BT40-ERO25-165				42	25		M16	4.30
BT40-ERO32-165				50	32			4.50
BT50-ERO16-170	170	261.8	98	28	16	80	M10	7.00
BT50-ERO20-170				34	20		M12	8.76
BT50-ERO25-170				42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





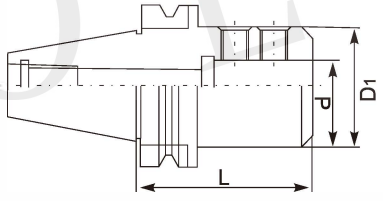
型号 Cat.No	尺寸（mm）							B	T	重量 Weight (KG)
	L	L1	H	H1	D	d	c			
BT40-SLO16-165	165	58	25	-	82	16	46.5	65	M12x1.75P	3.10
BT40-SLO20-165	165	60	25	-	82	20	46.5	65	M12x1.75P	3.50
BT40-SLO25-165	165	66	15	20	82	25	46.5	65	M12x1.75P	3.50
BT40-SLO32-165	165	70	15	20	82	32	47	65	M12x1.75P	5.20
BT50-SLO16-165	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 Arbors for Boring Bars

型号 Cat.No	内孔径 ΦD	外径 Φd1	参考长 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



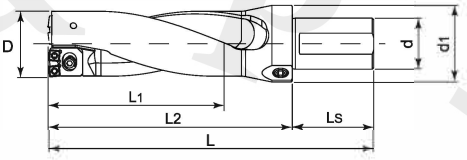


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SP大直径钻头

TDR 35□ □-□ □-50T2-□ □CA-T





- 钻深：3.5XD 直径

3.5xD

型号 Cat.No	尺寸 Size							刀片 Insert	备件 Spare part				力矩 (N.cm)
	D	d	d1	L	L1	L2	Ls		螺钉	外刃刀夹	中心刀夹	调整片	
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	–

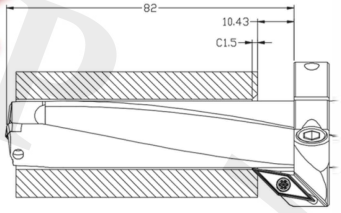
45° 倒角环

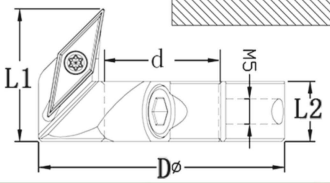
45° chamfer ring

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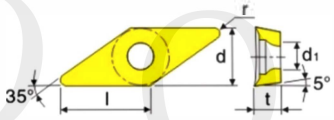


型号 Cat.No	尺寸（mm） D	d	L1	L2	刀片 Insert	螺钉 Screw	扳手 Wrench
CR-120-BV1003	32	12	22	10	VBGT100302	M2.5*6	T8
CR-125-BV1003	32.5	12.5	22	10			
CR-130-BV1003	33	13	22	10			
CR-135-BV1003	33.5	13.5	22	10			
CR-140-BV1003	34	14	22	10			
CR-145-BV1003	34.5	14.5	22	10			
CR-150-BV1003	35	15	22	10			
CR-155-BV1003	35.5	15.5	22	10			
CR-160-BV1003	36	16	22	10			
CR-165-BV1003	36.5	16.5	22	10			
CR-170-BV1003	37	17	22	10			
CR-175-BV1003	37.5	17.5	22	10			
CR-180-BV1003	38	18	22	10			
CR-185-BV1003	38.5	18.5	22	10			
CR-190-BV1003	39	19	22	10			
CR-195-BV1003	39.5	19.5	22	10			
CR-200-BV1003	40	20	22	10			
CR-205-BV1003	40.5	20.5	22	10	VBGT100302	M2.5*6	T8
CR-210-BV1003	41	21	22	10			
CR-215-BV1003	41.5	21.5	22	10			
CR-220-BV1003	42	22	22	10			
CR-225-BV1003	42.5	22.5	22	10			
CR-230-BV1003	43	23	22	10			
CR-235-BV1003	43.5	23.5	22	10			
CR-240-BV1003	44	24	22	10			
CR-245-BV1003	44.5	24.5	22	10			
CR-250-BV1003	45	25	22	10			
CR-255-BV1003	45.5	25.5	22	10			
CR-260-BV1003	46	26	22	10			
CR-265-BV1003	46.5	26.5	22	10			
CR-270-BV1003	47	27	22	10			
CR-275-BV1003	47.5	27.5	22	10			
CR-280-BV1003	48	28	22	10			
CR-285-BV1003	48.5	28.5	22	10			
CR-290-BV1003	49	29	22	10			
CR-295-BV1003	49.5	29.5	22	10			
CR-300-BV1003	50	30	22	10			
CR-305-BV1003	50.5	30.5	22	10			
CR-310-BV1003	51	31	22	10			
CR-315-BV1003	51.5	31.5	22	10	VBGT100302	M2.5*6	T8
CR-320-BV1003	52	32	22	10			
CR-325-BV1003	52.5	32.5	22	10			
CR-330-BV1003	53	33	22	10			
CR-335-BV1003	53.5	33.5	22	10			
CR-340-BV1003	54	34	22	10			
CR-345-BV1003	54.5	34.5	22	10			
CR-350-BV1003	55	35	22	10			
CR-355-BV1003	55.5	35.5	22	10			
CR-360-BV1003	56	36	22	10			
CR-365-BV1003	56.5	36.5	22	10			
CR-370-BV1003	57	37	22	10			
CR-375-BV1003	57.5	37.5	22	10			
CR-380-BV1003	58	38	22	10			
CR-385-BV1003	58.5	38.5	22	10			
CR-390-BV1003	59	39	22	10			
CR-395-BV1003	59.5	39.5	22	10			
CR-400-BV1003	60	40	22	10			

适用刀片

Applicable insert





型号 Cat.No	涂层 Coating	尺寸（mm） l	d	t	r	d1
VBGT100302	●				0.2	

专利产品
请勿模仿

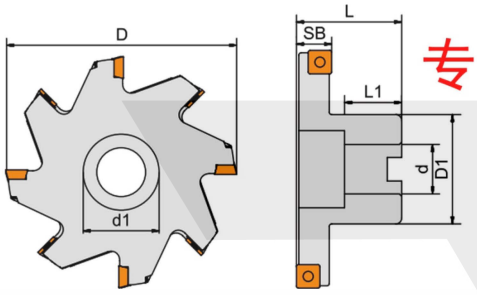
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DFC侧铣刀三面刃铣刀盘

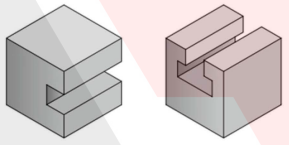
DFC side milling cutter three edge milling cutter



新品推荐



专利产品 请勿模仿



型号 Cat.No	尺寸（mm） D	SB	L	L1	D1	d1	d	T	刀片 Insert	螺钉 Screw	扳手 Wrench
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

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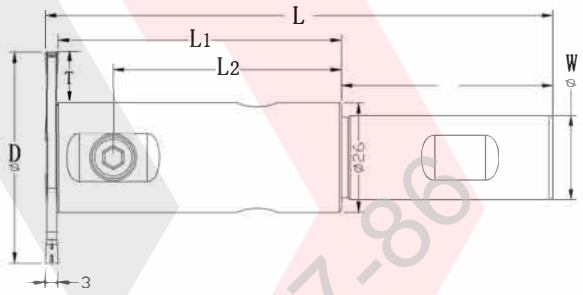
T型槽铣刀-竹蜻蜓系列

T-slot milling cutter



新品推荐

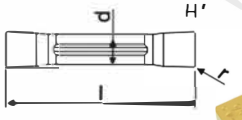
专利产品 请勿模仿



型号 Cat.No	尺寸（mm） D	W	T	L	N	刀片 Insert	螺钉 Screw	扳手 Wrench
DKT.D50.C20.120L.Z2.12T.3N	50	20	12	120	3	CRT300	M6	5mm
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	CRT00		
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	型号 Cat.No	涂层 Coating
CRT200	●	CRR200	●
CRT250	●	CRR250	●
CRT300	●	CRR300	●
CRT400	●	CRR400	●
CRT500	●	CRR500	●
CRT600	●	CRR600	●

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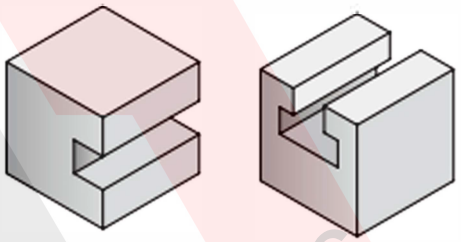
T型槽铣刀

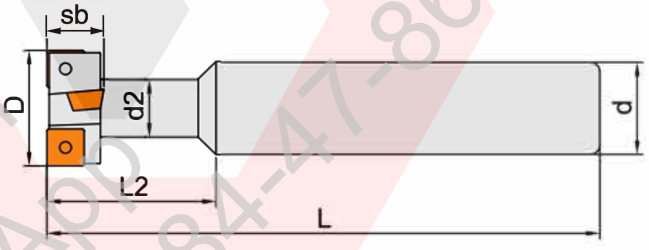
T-slot milling cutter



新品推荐

专利产品 请勿模仿



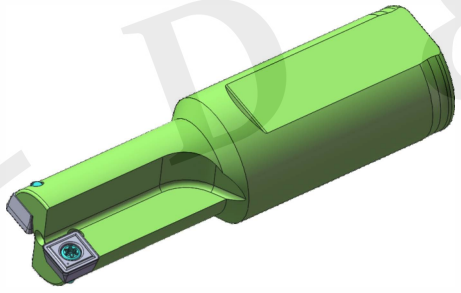


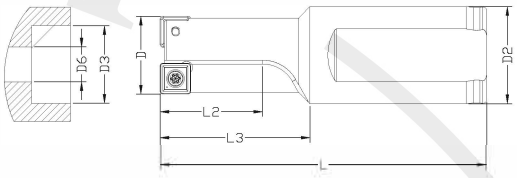
型号 Cat.No	尺寸（mm）						刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
	D	sb	d2	L2	L	d				
STM1004–095L–2T	10	4	4	17	95	16	SPGT030102	M1.8	T6	
STM1205–095L–3T	12	5	6	20	95	16	SPGT030102	M1.8	T6	
STM1405–095L–3T	14	5	7.5	26	95	16	SPGT040204	M2.5*4	T6	
STM1606–095L–4T	16	6	8	28	95	16	SPGT040204	M2.5*4	T6	
STM1908–095L–4T	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	

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CTR-沉孔

CTR - Counterbore





直径 D1	尺寸（mm）					刀片 Insert	螺钉 Screw	扳手 Wrench	重量 Kg
	D	D6	L	L2	L4				
15.135	20	6.0	81	31.0	8.5				
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	SPMG			
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				

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CA 沉头铣刀

CA High Speed End Mill

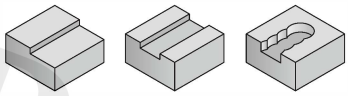


型 号 Cat.No	刀具直径 Tool diameter	底孔直径 Hole diameter	深孔深度 Deep hole depth	柄 径 Shank diameter	倒角尺寸 Chamfer Dimension	倒角尺寸 Chamfer Dimension	全长 Overall length	匹配刀片 Blade
CA12-18-6.5-100	18	12	6.5	25	0.8	0.8	100	CCMT060204
CA15-21-6.5-120	21	15	6.5		1		120	
CA16-22-6.5-120	22	16	6.5					
CA20-26-6.5-120	26	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					

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SEM 直角高速铣刀

SEM Shoulder Cutting High Speed End Mill





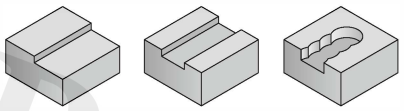


型號 Model	D	L	L1	d	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
SEM 0512C12-2T	12	100	20	12	2	SPMG 050204 TT 特固克 WET威尔特	TS2003 m2.0	TK06 T6
SEM 0513C12-2T	13							
SEM 0514C12-2T	14							
SEM 0515C12-2T	15							
SEM 0616C16-2T	16	120	25	16		SPMG 060204 TT 特固克 WET威尔特	TS2202 m2.2	TK07 T7
SEM 0617C16-2T	17							
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							

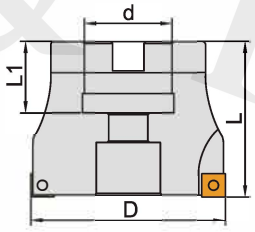
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SEC 直角高速壳型铣刀

SEC Shoulder Cutting High Speed Shell Type Milling Cutter



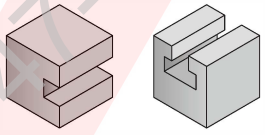




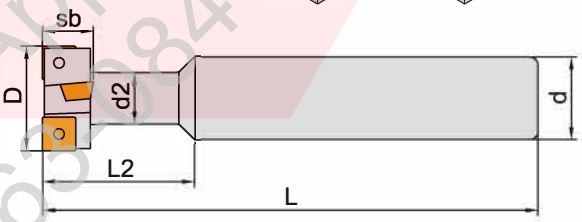
型號 Model	D	L	L1	d	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
SEC 06R04006-16	40	40	18	16	6	SPMG 060204 TT 特固克 WET威尔特	TS2202 m2.2	TK7 T7
SEC 06R05007-22	50	45	20	22	7			
SEC 06R06309-22	63	45	20	22	9			
SEC 06R08011-27	80	50	23	27	11			
SEC 09R04004-16	40	40	18	16	4	SPMG090408 TT 特固克 WET威尔特	TS3504 m3.5	TK15 T15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





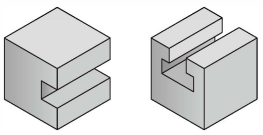


型號 Model	D	sb	d2	L2	L	d	刀片類型 Inserts	螺絲 Screw	板手 Wrench
STM 1005–095L–3T	10	5	4	17	95	16	SPMG030102		
STM 1205–095L–4T	12	5	6	20	95	16	SPMG030102		
STM 1405–095L–4T	14	5	7.5	26	95	16	SPMG040204		
STM 1606–095L–4T	16	6	8	28	95	16	SPMG040204		
STM 1806–095L–4T	18	6	9	32	95	16	SPMG040204		
STM 1908–095L–4T	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

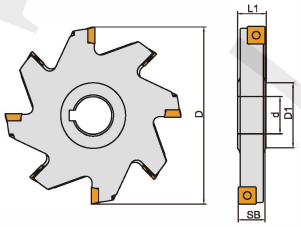
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DFW 高速侧铣三面刀

DFW High Speed Side Milling Cutter





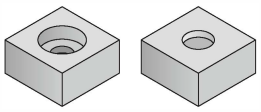


型號 Model	D	SB	d	L1	D1	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
DFW.B.080.Z08.06-22	80	6	22	12	44	2 x 4	SPMG050204	TS2003	TK06
DFW.B.080.Z08.07-22		7							
DFW.B.080.Z08.08-22		8					SPMG060204	TS2202	TK06
DFW.B.080.Z08.09-22		9							
DFW.B.080.Z08.10-22		10							
DFW.B.080.Z08.11-22		11					SPMG07T308	TS2511	TK08
DFW.B.080.Z08.12-22		12							
DFW.B.100.Z10.06-27	100	6	27		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		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

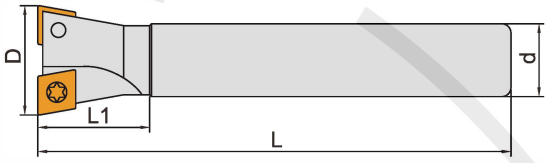
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DTB 定制粗搪刀

DTB Rough Boring Cutter







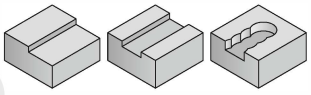
型號 Model	D	d	L1	L	刀片類型 Inserts	螺絲 Screw	板手 Wrench
DTB 1412R-1T	13.8	12	25	100	CCMT 060204 三菱、日立、东芝 京瓷、特固克、肯纳	TS2507	TK08
DTB 1612R-2T	15.8	12	30	100			
DTB 1816R-2T	17.7	16	30	120			
DTB 1916R-2T	18.7	16	30	120			
DTB 2016R-2T	19.7	16	30	120			
DTB 2216R-2T	21.7	16	30	120			
DTB 2420R-2T	23.7	20	30	130			
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			

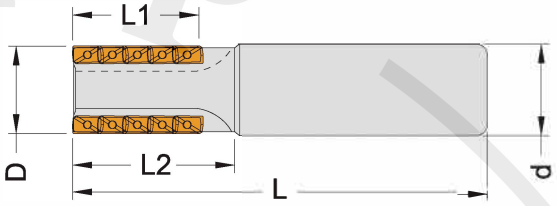
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BAP 玉米铣刀

BAP Rough Cutting Milling Cutter



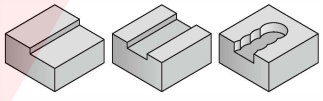




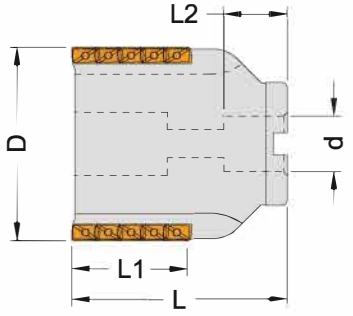
型號 Model	D	d	L1	L2	L	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
BAP300R2005S20-028L	20	20	28	42	107	1x5	APMT1135...	TS2515	TK08
BAP300R2508S25-035L	25	25	35	50	125	2x4			
BAP300R3215S32-044L	32	32	44	60	135	3x5			
BAP300R4024S32-072L	40	32	72	94	175	3x8			
BAP400R3206S32-042L	32	32	42	55	135	2x3	APMT1604...	TS4023	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





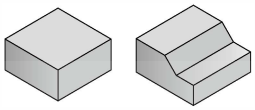


型號 Model	D	d	L1	L2	L	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
BAP400R05009-42-22.0	50	22	42	21	69	3x3	APMT1604...	TS4023	TK15
BAP400R06312-42-25.4	63	25.4	42	38	69	4x3			
BAP400R06320-68-25.4	63	25.4	68	38	97	4x3			

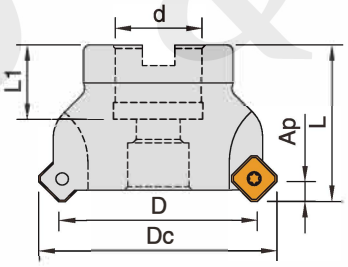
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ASX445 45° 壳型平面铣刀

ASX445 45° Shell Type Face Milling Cutter







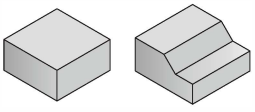
墊片 Shim	牙套 Screw	螺絲 Screw	板手 Wrench	板手 Wrench
AS445N	PS35T	**TS3505**	**TK15**	TY3.5

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		

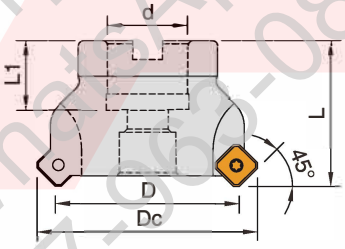
另有英制内孔 25.4/31.75/38.1/50.8/47.625

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			

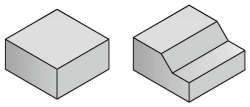
另有英制内孔 25.4/31.75/38.1/50.8/47.625

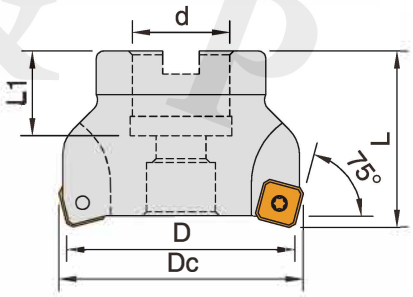
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4047 75° 壳型平面铣刀

4047 75° Shell Type Face Milling Cutter







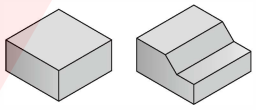
型號 Model	D	d	L	L1	T	刀片類型 Inserts	螺絲 Screw	板手 Wrench
4047.B.050.Z04.06-22	50	22	40	20	4	SN.X1205.. 瓦尔特 特固克（需要换螺钉）	TS4015	TK15
4047.B.063.Z05.06-22	63	22			5			
4047.B.080.Z06.06-27	80	27	50	26	6			
4047.B.100.Z07.06-32	100	32			7			
4047.B.125.Z08.06-40	125	40	63	38	8			
4047.B.160.Z10.06-40	160	40		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

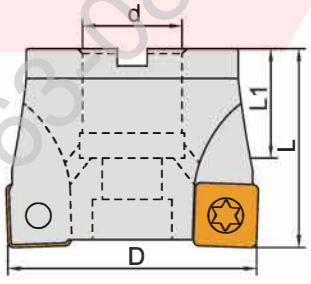
另有英制内孔 25.4/31.75/38.1/50.8/47.625

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			

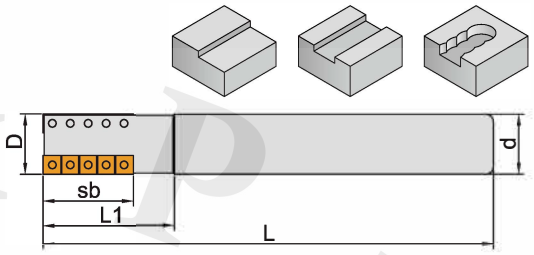
另有英制内孔 25.4/31.75/38.1/50.8/47.625

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SRE 高速粗铣刀

SRE Speed Rough Milling Cutter

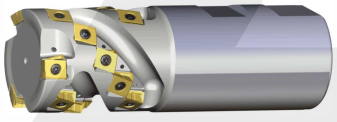


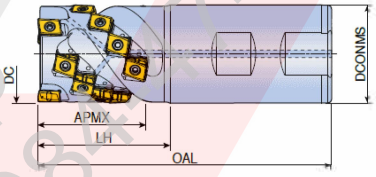


型號 Model	D	sb	L	d	L1	T	刀片 Inserts	刀片類型 Inserts	螺絲 Screw	板手 Wrench
SRE.W.016.Z02.020.05	16	20	100	16	30	2	10	SPMG 050204	TS2003	TK06
SRE.W.020.Z02.030.06	20	30	110	20	40	2	12	SPMG 060204	TS2202	TK06
SRE.W.025.Z02.040.07	25	40	130	25	55	2	12	SPMG 07T308	TS2511	TK08
SRE.W.032.Z03.050.09	32	50	150	32	65	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

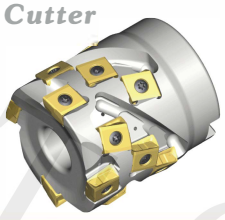


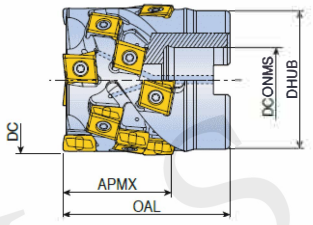


型号 Cat.No		刃数 F	尺寸（mm） DC	DCONMS	OAL	LH	APMX	内冷 Internal cooling	刀片 Blade
4T-TEF D25-36-W25-09	2	10	25	25	100	43	36	●	LPK(H)U09046…
D32-36-W32-09	3	15	32	32	105	44	36	●	
D32-43-W32-09	3	18	32	32	115	52	43	●	
D40-43-W40-09	3	18	40	40	125	54	43	●	
D40-51-W40-09	3	21	40	40	135	64	51	●	

TES 玉米铣刀盘

TES Milling Cutter



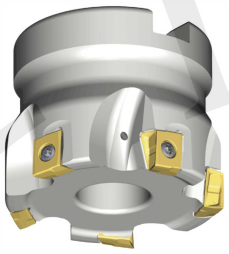


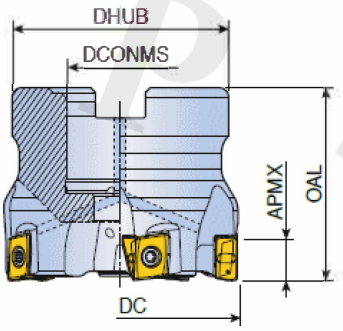
型号 Cat.No		刃数 F	尺寸（mm） DC	DCONMS	DHUB	OAL	APMX	内冷 Internal cooling	安装螺栓 Screw	刀片 Blade
4T-TES D50-34-22R-14	3	9	50	22	45	55	34	●	SH M10x40	LPKU1407…
D50-45-22R-14	3	12	50	22	45	65	45	●	SH M10x50	
D63-45-27R-14	4	16	63	27	58	70	45	●	SH M12x50	
D63-56-27R-14	4	20	63	27	58	80	56	●	SH M12x60	
D80-56-32R-14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

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TF90 面铣刀盘

TF90 Milling Cutter





型号 Cat.No		尺寸（mm）					内冷 Internal cooling	刀柄 Hilt	安装螺栓 Screw	刀片 Blade
		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

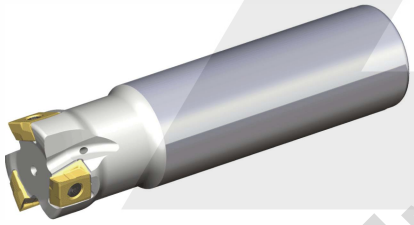


Fig.1

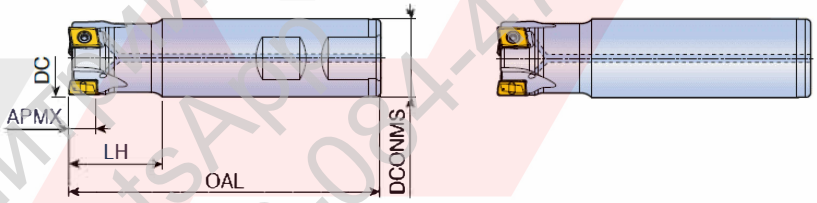


Fig.2

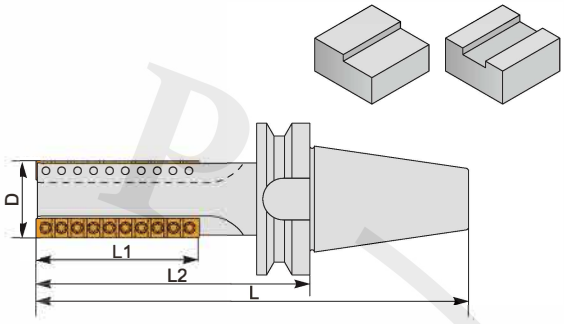
型号 Cat.No		尺寸（mm）					内冷 Internal cooling	图示 Graphic	刀片 Blade
		DC	DCONMS	OAL	LH	APMX			
4T-TF90-220-W20-09	2	20	20	100	30	8.3	●	1	
220-20-09-L170	2	20	20	170	30	8.3	●	2	
320-W20-09	3	20	20	100	30	8.3	●	1	
325-W25-09	3	25	25	100	30	8.3	●	1	
325-25-09-L200	3	25	25	200	30	8.3	●	2	
425-W25-09	4	25	25	100	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	

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2238 BT50# 粗铣刀

2238 Bt50 Rough Milling Cutter





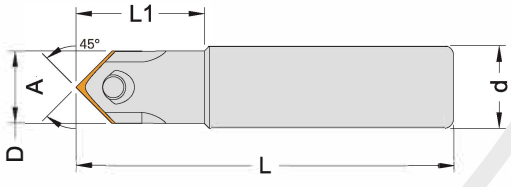
型號 Model	D	L	L1	L2	T	刀片 Inserts	刀片類型 Inserts	螺絲 Screw	板手 Wrench
2238.BT50.050.Z03.100.04.SL	50	336.8	100	248	3	30	SPMW 120408	TS5004	TK20
2238.BT50.050.Z03.100.04	50	352.8	100	232					
2238.BT50.050.Z03.100.06.SL	50	336.8	100	248			SPMW 120606	TS5006	TK20
2238.BT50.050.Z03.100.06	50	352.8	100	232					
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

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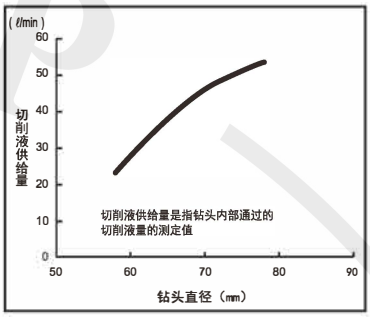
疑问解答 Doubtanswer

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.

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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?

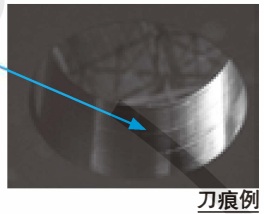
解答-5 切削中的钻头内侧（中心侧）有挠曲应力。

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）



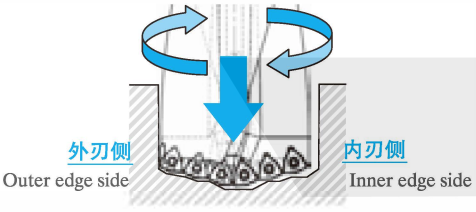
刀痕例
Example diagram of cutting back

■ 解决刀痕（退刀痕）的加工方法

Processing methods for solving knife marks (retraction marks)

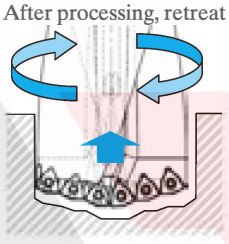
①加工（主轴回转）

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)





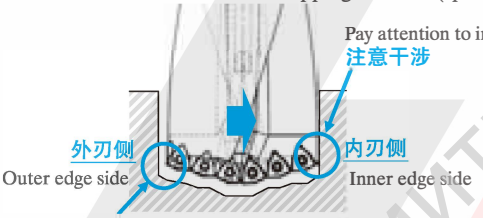
加工后停止所引起的切屑熔着
Chip melting caused by stopping processing

- 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

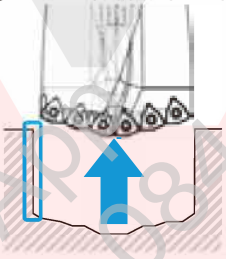
③停止回转后使用偏芯（主轴停止）

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

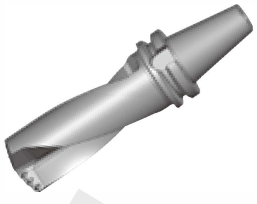
加工PRG-例

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

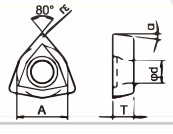


钻头直径Φ200的也可制作
Drill bits with a diameter of 200 can also be made



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

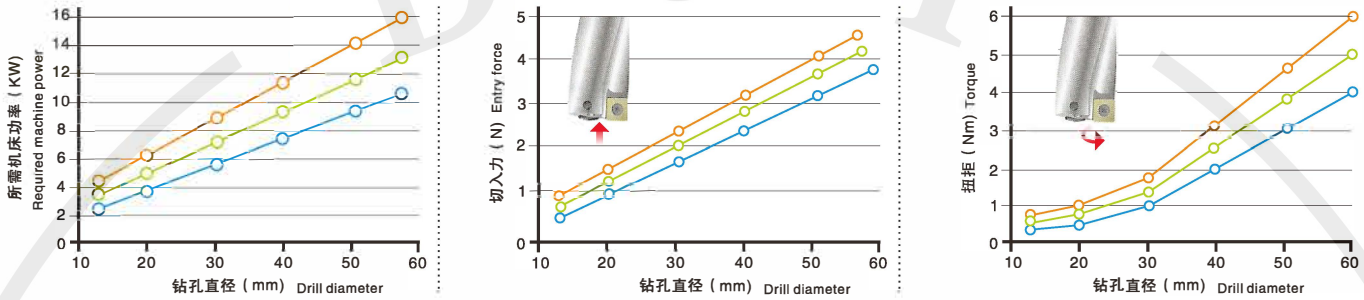
Processing power requirements

▶ 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

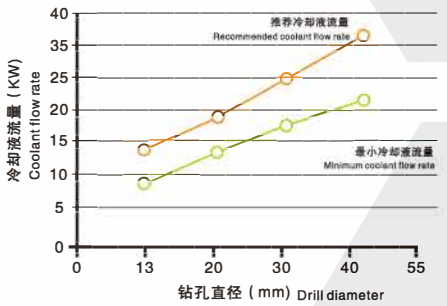
• 被加工件：SCM440(240HB) •切削条件：VC(m/min)=100
• 内冷系统

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

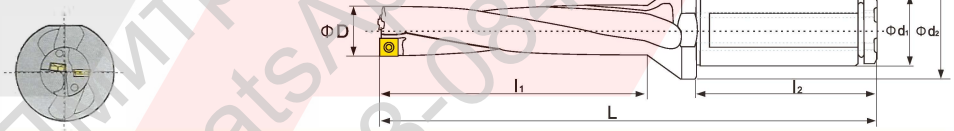
•推荐冷却油压：5kg/cm²以上
图表数据可以根据被加工件及切削条件改变

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

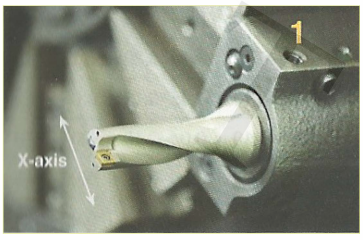
Bit tolerance and aperture tolerance

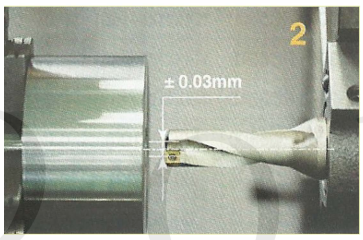


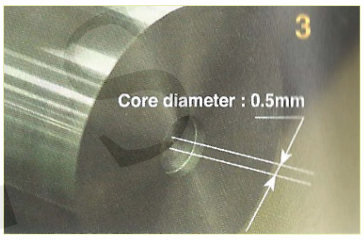
钻头直径 Drill diameter		Φ12~Φ29	Φ30~Φ45	Φ46~Φ60.5
3D~4D	钻头公差（ΦD）	0~-0.15	0~-0.15	0~-0.15
	孔径公差	+0.2~-0.1	+0.25~-0.1	+0.28~-0.1
4D~5D	钻头公差（ΦD）	0~-0.15	0~-0.15	0~-0.15
	钻头直径	+0.25~-0.05	+0.3~-0.05	+0.33~-0.05

钻头在车床上的安装

Installation of drill bit on lathe







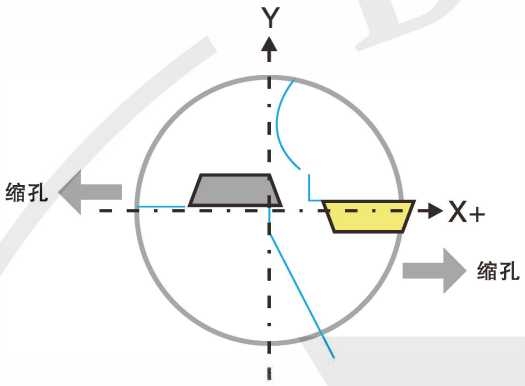
• 外切削刃与X轴平行设定（钻头的外刃和侧固面平行，以侧固面为基准）
• 如果钻孔5mm后，核心部分有直径0.5mm痕迹，表明安装正确
※ 请确保测固位置可根据机床而有所不同以前有侧固面反向装夹情况，使用前请务必确认

• 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

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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

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冷却供给
Cooling supply

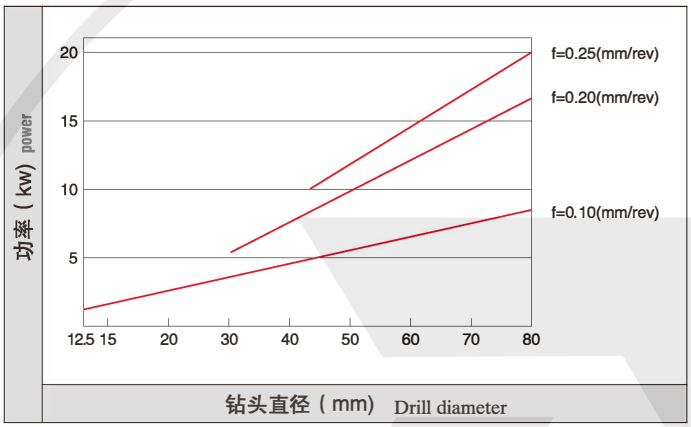
推荐的冷却压力值非常重要

- 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/cm²,4D切深的T钻建议至少保证冷却压力5kg/cm²

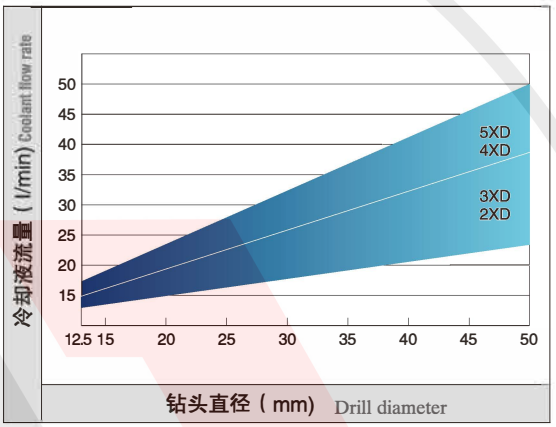
The recommended cooling pressure value is very important

- 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

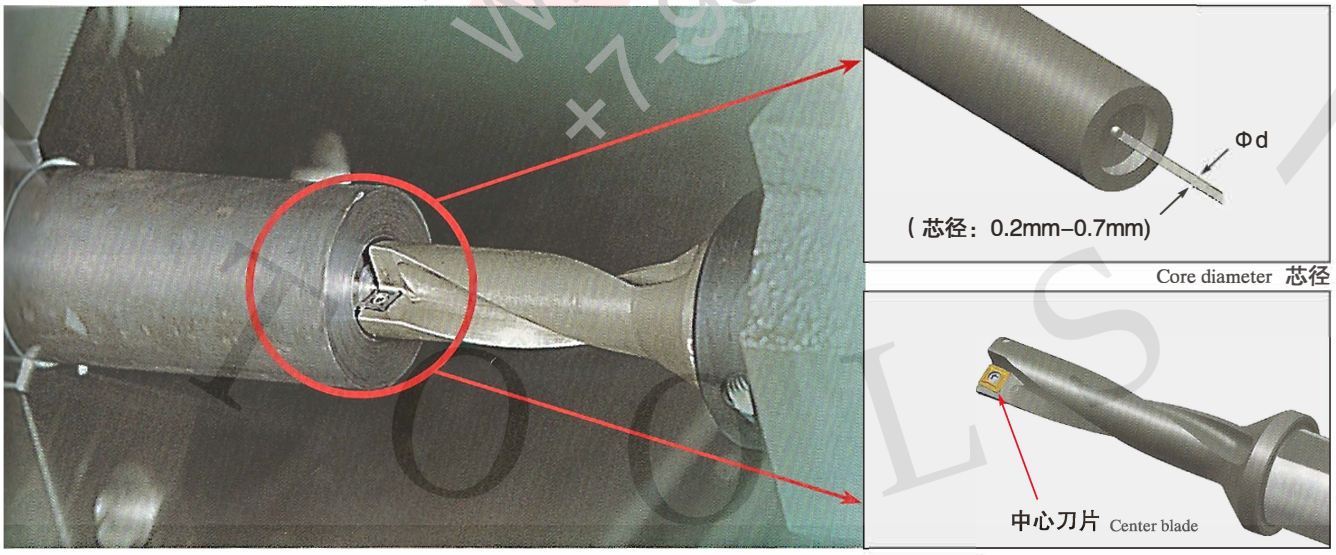


车床应用的技术信息
Technical Information of Lathe Application

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

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车床上的应用

Tung Six-Drill

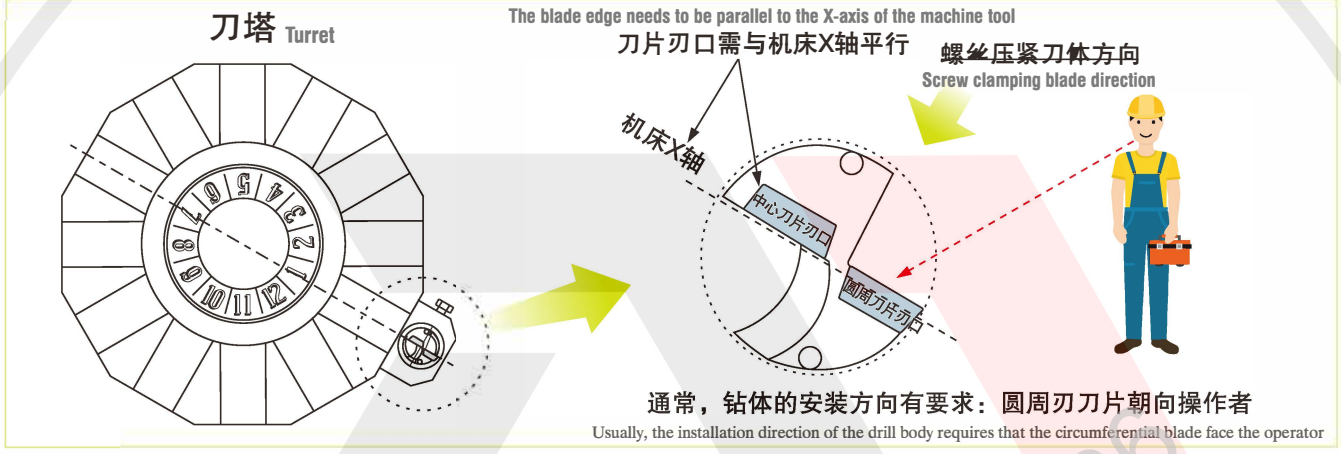
如何设置钻体来实现稳定加工是很重要的问题

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

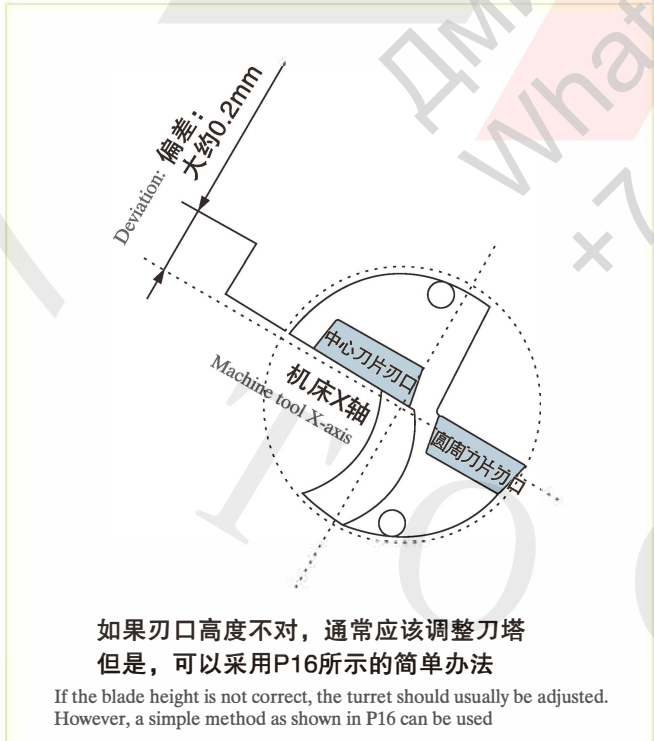
When installing the drill body, the blade edge should be parallel to the X-axis of the machine tool
Usually, the installation direction of the drill body requires that the circumferential blade face the operator
Due to the fact that the clamping surface of the drill body is parallel to the blade edge,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

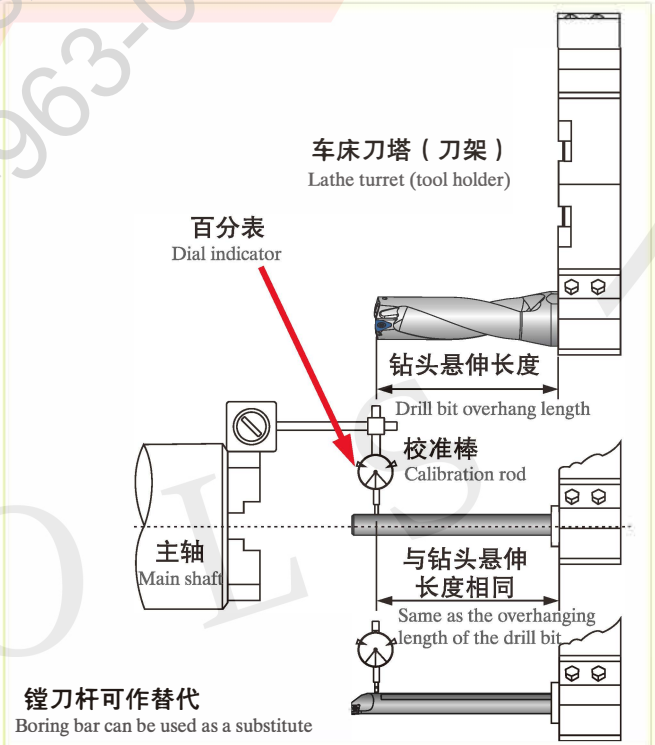


检查刃口高度 Check the height of the cutting edge

- 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

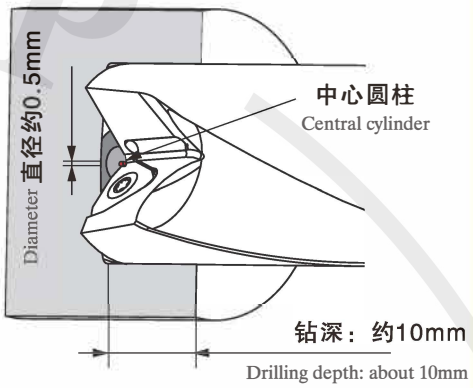




通过试切检查调整结果 Adjust the results through trial cutting inspection

- 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.



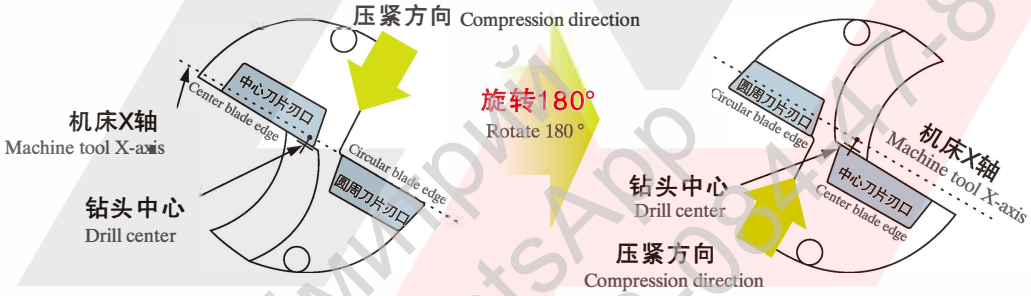
调整刀片刃口高度 Adjusting the height of the blade edge

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

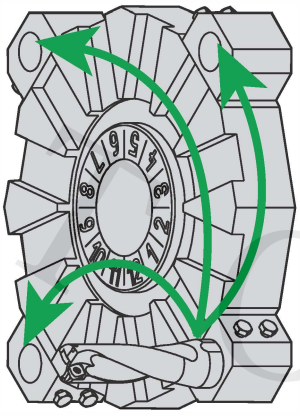
Under this cutting condition, the center edge blade is prone to breakage and must be corrected.
Method 1: Change the installation direction of the drill body
Method 2: Rotate the drill body 180 °
In method 2. The back of the drilling body's cutting plane needs to be added with a cutting plane



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)

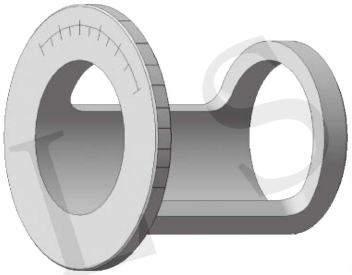
此时，更换装夹刀位可能会有改善
At this point, replacing the clamping tool position may improve the situation



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.



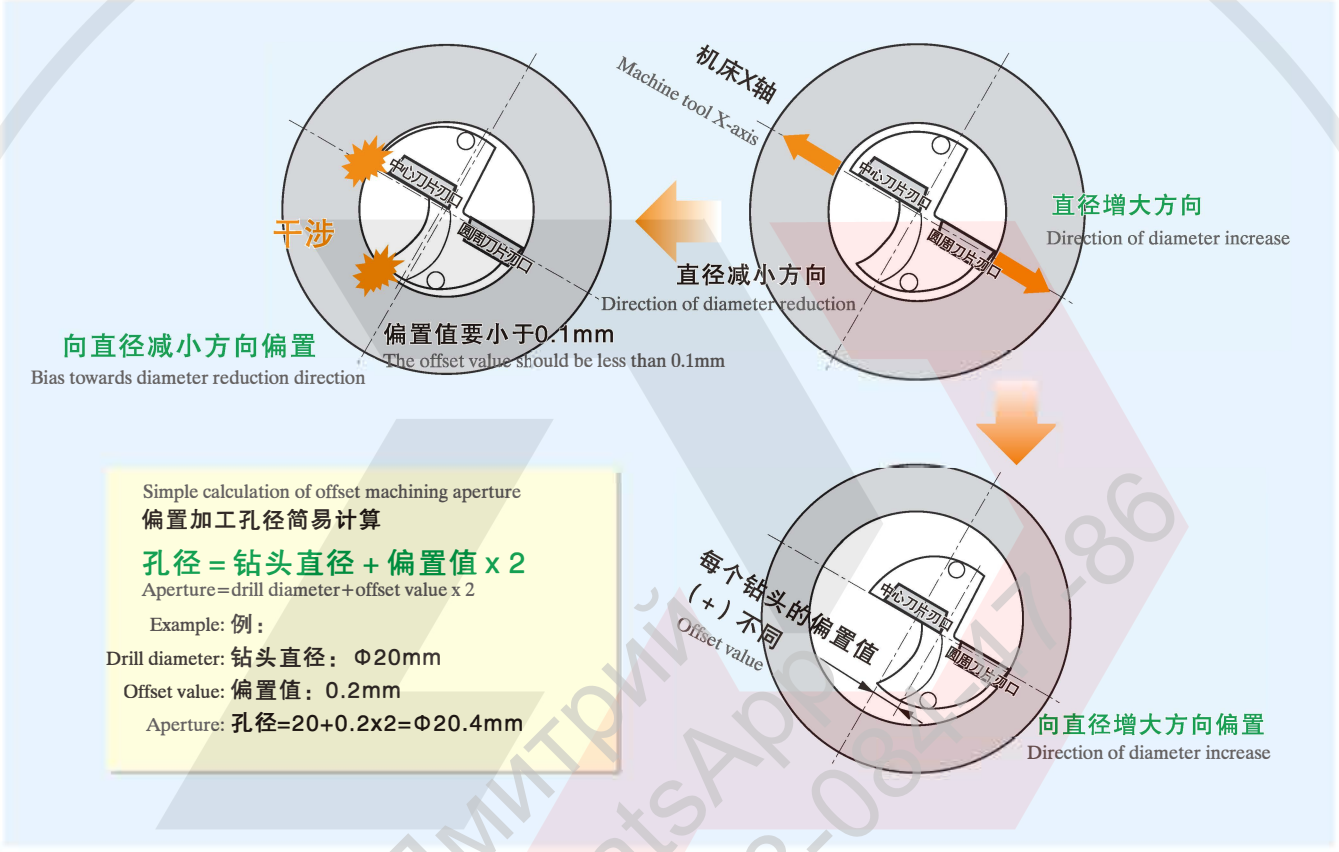
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车床上钻头偏置加工 Offset machining of drill bits on lathes

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!

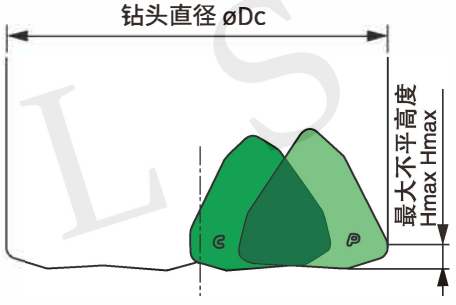
TungSix-Drill 加工孔的孔底形状与HSS钻头相比更接近平面

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



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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

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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>

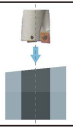
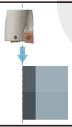
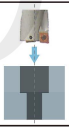
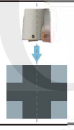
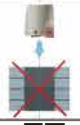
		被削材 Work Material		工件硬度 Hardness of Workpiece HB	推荐断屑层 Recommended Chipbreaker	推荐刀片材质 Recommended Insert Grade	Vc 切削速度 Cutting Speed (m/min)	f进给量 Feed Rate (mm/rev)				
								Φ13.0 ~ Φ18.0	Φ18.5 ~ Φ29.0	Φ29.5 ~ Φ36.0	Φ37.0 ~ Φ55.0	Φ56.0 ~ Φ68.0
2D	P	钢、碳素钢 Steel、Carbon Steel	SS400	125	G	ACP300	120–180–240	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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 Stainlesssteel	SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	ACP300	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	ACP300	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	ACP300	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	ACK300	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	ACK300	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	ACP300	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	DL1500	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	DL1500	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	推荐刀片材质 Recommended Insert Grade	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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 Stainlesssteel	SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	ACP300	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	ACP300	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
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	K	铸铁 Cast Iron			H	ACK300	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	ACK300	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	ACP300	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	DL1500	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	DL1500	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>

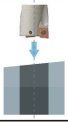
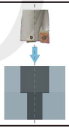
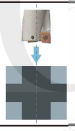
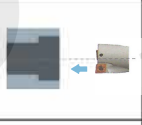
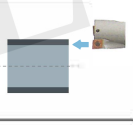
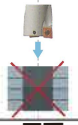
		被削材 Work Material		工件硬度 Hardness of Workpiece HB	推荐断屑层 Recommended Chipbreaker	推荐刀片材质 Recommended Insert Grade	Vc 切削速度 Cutting Speed (m/min)	f进给量 Feed Rate (mm/rev)				
								Φ13.0 ~ Φ18.0	Φ18.5 ~ Φ29.0	Φ29.5 ~ Φ36.0	Φ37.0 ~ Φ55.0	Φ56.0 ~ Φ68.0
4D	P	钢、碳素钢 Steel、Carbon Steel	SS400	125	G	ACP300	120–180–240	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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 Stainlesssteel	SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	ACP300	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	ACP300	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	ACP300	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	ACK300	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	ACK300	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	ACP300	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	DL1500	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	DL1500	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	推荐刀片材质 Recommended Insert Grade	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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	ACP300	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 Stainlesssteel	SUS403等(马氏体系/铁素体系) SUS403 and others Martensite/Ferrite	200	G	ACP300	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	ACP300	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	ACP300	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	ACK300	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	ACK300	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	ACP300	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	DL1500	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	DL1500	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



Дмитрий
WhatsApp
+7-963-084-47-86

ООО "АрсДи"

+7-963-084-47-86

oooarsdee@yandex.ru